

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

June 3, 2020

Representatives
Elm Creek Watershed Management Commission
Hennepin County, MN

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

Dear Representatives:

A regular meeting of the Elm Creek Watershed Management Commission will be held on **Wednesday, June 10, 2020, at 11:30 a.m.** **This will be a virtual meeting.**

The Commission will suspend its regular meeting at 11:30 a.m. for the purpose of conducting a public meeting on a proposed Minor Plan Amendment to adopt revisions to its Capital Improvement Program. The regular meeting will resume immediately after the public meeting concludes.

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

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

+1 929 205 6099 US (New York)	+1 312 626 6799 US (Chicago)
+1 669 900 6833 US (San Jose)	+1 346 248 7799 US (Houston)
+1 253 215 8782 US	+1 301 715 8592 US

Meetings remain open to the public via the instructions above.

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

Thank you.



Judie A. Anderson
Administrator
JAA:tim

Encls: Meeting Packet

cc:	Alternates	Jim Herbert	Joe Waln	James Kujawa	DNR
	TAC Members	Kris Guentzel	Brian Vlach	Diane Spector	BWSR
	City Clerks	Kirsten Barta	Met Council	Official Newspaper	MPCA

Z:\Elm Creek\Meetings\Meetings 2020\06 Notice_reg and public meetings.docx

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AGENDA Regular Meeting June 10, 2020

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

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+1 253 215 8782 US	+1 301 715 8592 US

1. Call Regular Meeting to Order.
 - a. Approve Agenda.*
2. Consent Agenda.
 - a. Minutes last Meeting.*
 - b. Treasurer's Report and Claims.*

Suspend regular meeting

3. Public Meeting for Minor Plan Amendment to Third Generation Plan.
 - a. Staff Report.*
 - 1) Revised CIP.*
 - 2) Exhibit A's.*
 - b. Commissioner Discussion.
 - c. Open Public Meeting.
 - 1) Receive written comments.
 - 2) Receive comments from public.
 - d. Close Public Meeting.
 - e. Commission Discussion.
 - f. Consider Resolution 2020-01.*

Resume regular meeting.

4. Open Forum.
5. Action Items.
 - a. Project Reviews – see Staff Report.*
 - b. Accept 2019 Audit Report.*
 - c. Approve 2021 Operating Budget.*
6. Old Business.
7. New Business.
8. Communications. (Also see Staff Report. *)

(over)

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

9. Education.
 - a. WMWA – next meeting is scheduled for July 14, 2020, at 8:30 a.m. This will be a **virtual** meeting.
10. Grant Opportunities and Updates.
11. Project Reviews.

Item No.	A	E	I R PFI RP D	AR	Project No.	Project Name
					W Denotes wetland project	
ah.				AR	2014-015	Rogers Drive Extension, Rogers.
ai.				AR	2015-030	Kiddiegarten Child Care Center, Maple Grove.
aj.				AR	2016-002	The Markets at Rush Creek, Maple Grove.
ak.				AR	2016-005W	Ravinia Wetland Bank Plan, Corcoran.
al.				AR	2016-047	Hy-Vee North, Maple Grove.
am.				AR	2017-014	Laurel Creek, Rogers.
an.				AR	2017-029	Brayburn Trails, Dayton.
a.					2017-039	Rush Creek Apartments, Maple Grove.
b.					2017-050W	Ernie Mayers Wetland/floodplain violation, Corcoran.
c.					2018-020	North 101 Storage, Rogers.
ao.				AR	2018-026	Windrose, Maple Grove.
ap.				AR	2018-028	Tricare Third Addition, Maple Grove.
aq.				AR	2018-044	OSI Phase II, Medina.
d.					2018-046	Graco, Rogers
ar.				AR	2018-048	Faithbrook Church Phase 2, Dayton.
as.				AR	2019-001	Fernbrook View Apartments, Maple Grove.
at.				AR	2019-002	Parkside Villas, Champlin.
au.				AR	2019-021	Brenly Meadows, Rogers.
e.					2019-024	Boston Scientific, Maple Grove.
av.				AR	2019-027	Havenwood at Maple Grove.
f.			R		2019-030	Rolling Hills Acres, Corcoran.
aw.				AR	2019-032	OSI Expansion, Medina.
g.					2020-001	Outlot L, Markets at Rush Creek, Maple Grove.
h.					2020-002	Project 100, Maple Grove.
i.					2020-004	Elm Road Area Project, Maple Grove.
j.					2020-008	Ione Gardens, Dayton.
k.					2020-009	Stetler Barn, Medina.
l.					2020-010	Birchwood, Rogers.
m.		E			2020-011	Bellwether 4th/5th Addition, Corcoran.
n.	A	E			2020-012	Wayzata HS Parking Lot, Plymouth.
o.					2020-013	Territorial Greens Residential (West), Maple Grove.
p.		E			2020-014	Territorial Greens Residential (East), Maple Grove.
q.		E			2020-015	Dayton Interchange Business Center, Dayton.
r.		E			2020-016	Lennar Terr Road Development (Skye Meadow), Rogers.
s.					2020-017	Meadow View Townhomes, Medina.

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

12. Other Business.
13. Adjournment.

Z:\Elm Creek\Meetings\Meetings 2020\06 Regular and Public Meeting Agenda.docx

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

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Regular Meeting Minutes May 13, 2020

I. A virtual meeting of the Elm Creek Watershed Management Commission was called to order at 11:30 a.m., Wednesday, May 13, 2020, by Chair Doug Baines.

Present were: Bill Walraven, Champlin; Ken Guenther, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Elizabeth Weir, Medina; Catherine Cesnik, Plymouth; Kevin Jullie, Rogers; Kirsten Barta and Kris Guentzel, Hennepin County Dept. of Environment and Energy (HCEE); Brian Vlach, Three Rivers Park District (TRPD); Joe Waln, Barr Engineering; James Kujawa, Surface Water Solutions; Brian Vlach, Three Rivers Park District; and Amy Juntunen and Judie Anderson, JASS.

Also present: Kevin Mattson, Corcoran; Nico Cantarero, Wenck Assocs., Dayton; Derek Asche and Mark Lahtinen, Maple Grove; Ben Scharenbroich, Plymouth; and Andrew Simmons, Rogers.

A. Motion by Weir, second by Guenther to approve the **agenda**.* *Motion carried unanimously.*

B. Motion by Weir, second by Guenther to approve the **minutes*** of the April 8, 2020 regular meeting. *Motion carried unanimously.*

C. Motion by Guenther, second by Weir to approve the May **Treasurer's Report and Claims*** totaling \$26,240.98. *Motion carried unanimously.*

II. Open Forum.

III. Action Items.

A. **Project Review 2017-039 Rush Creek Apartments, Maple Grove.*** This project is located in the southwest quadrant of the intersection of Bass Lake Road (CSAH 10) and Troy Lane (CSAH 101). The project area is 8.2 acres in size and proposes five apartment buildings (246 units) and a clubhouse. This project is being reviewed for conformance to Rules D, E, and I. Regional ponds within this area were approved during the Markets at Rush Creek development (2009-004) review. Compliance to the regional approvals is also a component of this review. Staff recommends the Commission accept their findings dated April 29, 2020 and approve this project contingent upon: (a) maintenance access to the stormwater ponds must be provided and (b) the O&M plan for the stormwater management systems (biofiltration basin) must be provided for the Commission's approval. Said plans must be recorded on the property title and a copy of the recorded document must be provided to the Commission. Motion by Weir, second by Jullie to approve this project subject to Staff's recommendations. *Motion carried unanimously.*

[Walraven arrived 11:45 a.m.]

B. **Project Review 2020-009 Stetler Barn, Medina.*** This site disturbs approximately 3.5 acres. It will need to meet Rules D, E, and I. Because of the limited available space for pasture, paddocks, and land

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

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

elm creek Watershed Management Commission

Regular Meeting Minutes – May 13, 2020

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application of manure, understanding how these components will be managed will also be an important part of the review. A complete plan was received on April 22, 2020. Findings and recommendations dated May 4, 2020 are provided in this month's packet. Staff recommends the Commission approve 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. This agreement must be recorded on the land title with a copy of the recorded agreement provided to the Commission. Motion by Weir, second by Walraven to approve this project with the two conditions. *Motion carried unanimously.*

C. Project Review 2020-010 Birchwood, Rogers.* This project is located on the east side of CR 13 (Brockton Lane) one-quarter mile south of the intersection of CR 144 (141st Ave. N.) and CR 13. It consists of two parcels that total 21.15 acres. It is currently all cropland with a 1.0-acre farmstead in the southwest corner and a 1.17-acre farmed wetland in the northwest corner. The applicant is proposing to develop the site into 61 single-family residential lots and one amenity lot creating 7.73 acres of new impervious areas. The Commission's review is for conformance to Rules D, E, and I. Current plans comply with Rules E and I. Staff's current review and findings dated May 6, 2020, are included in this month's packet with an approval recommendation conditioned upon receipt of the NPDES SWPP Plan on this site. Motion by Weir, second by Guenthner to approve this project with this condition. *Motion carried unanimously.*

D. Project Review 2020-011 Bellwether 4th/5th Addition, Corcoran.* This project is located west of County Road 101 (Brockton Lane N) and south of Stieg Road. The project will construct 20 residential units as part of a larger residential and commercial development on 226 acres, including approximately 400 residential lots and 13 acres of commercial area. Plans for the larger development were approved in 2018 (Project #2018-032). This is an administrative review for the Commission to check that the additions are consistent with the plans approved in 2018 and remain in conformance with Rules D, E, F and I. Current plans do not comply with Rule F. Staff's review and findings dated May 7, 2020, are included in this month's packet with contingent administrative approval pending receipt of an updated stormwater management plan, updated SWPP plan and resolution of low floor elevations that fail to meet minimum freeboard requirements.

E. Preliminary 2021 Operating Budget.* The members reviewed the proposed budget and requested that additional information be provided to the Technical Advisory Committee (TAC) prior to their May 21, 2020 meeting. The TAC will make a recommendation to the Commission at its June 10, 2020 meeting. The Commission must adopt an operating budget and transmit it to the member cities by July 1, 2020. The proposed Member Assessments* were also included in the meeting packet.

IV. Old Business.**V. New Business.**

The Commission will conduct a **Public Meeting** to amend its Third Generation Watershed Management Plan to adopt revisions to its 2020 Capital Improvement Program (CIP) as recommended by the Technical Advisory Committee. Three projects will be added, one project will be removed, two projects will be given more specificity, and one project will be moved to 2021. The Public Meeting will be conducted as part of the June 10, 2020 meeting. Notice of the Public Meeting will be published in the *Osseo-Maple Grove-Champlin-Dayton Press* May 28 and June 4.

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

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elm creek Watershed Management Commission

Regular Meeting Minutes – May 13, 2020

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VI. Communications.

A. Buffer Review. Barta provided an update in the May Staff Report.* Field visits will be allowed/taking place probably in June.

B. Elm Creek Floodplain Mapping. Heather Hlavaty, Barr Engineering, provided an update on this project. It may be found in the May Staff Report.* She estimates 42% of the budget has been expended to date.

C. The Commission's **2019 Annual Activity Report*** is being uploaded to the website. <http://www.elmcreekwatershed.org/annual-reports.html>

VII. Education and Public Outreach.

A. WMWA. The **West Metro Water Alliance** will meet via Zoom at 8:30 a.m., Tuesday, June 9, 2020.

1. Website/Social Media. Catherine Cesnik, the WMWA Coordinator, is refreshing the WMWA website and updating content. Any input is appreciated. westmetrowateralliance.org/. She has also taken over social media posting duties.

2. Cesnik will be reaching out to member cities over the next few months to better understand how WMWA can be a resource and to help fill education and outreach gaps. With COVID 19, she has had trouble reaching folks, but will move forward using email and other socially-distant means. The WMWA steering committee particularly discussed options to collaborate on the new or enhanced education and outreach requirements in the draft MN NPDES General Permit.

B. Juntunen reported that a vendor to create the **roots display** has been identified. The cost will be \$2,482 each with a purchase of four units. Juntunen is coordinating with other partners – Blue Thumb, Rice Creek Watershed District, City of Rochester, and the East Metro Water Resources Education Program – to purchase four units.

VIII. Grant Opportunities and Project Updates.**IX. Other Business.**

A. The **projects** listed on the following page are discussed in the May Staff Report.

B. Adjournment. There being no further business, the meeting was adjourned at 12:52 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary
JAA:tim

elm creek Watershed Management Commission

Regular Meeting Minutes – May 13, 2020

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g.					2020-001	Outlot L, Markets at Rush Creek, Maple Grove.
h.					2020-002	Project 100, Maple Grove.
i.					2020-004	Elm Road Area Project, Maple Grove.
j.			R		2020-006	Zachary Villas of Dayton
k.			R		2020-007	Pineview/Oakview Lanes North Improvements, Dayton.
l.					2020-008	Ione Gardens, Dayton.
m.	A	E			2020-009	Stetler Barn, Medina.
n.	A	E			2020-010	Birchwood, Rogers.
o.	A	E			2020-011	Bellwether 4th/5th Addition, Corcoran.
p.					2020-012	Wayzata HS Parking Lot, Plymouth.

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

Elm Creek Watershed Management Commission Treasurer's Report

		2020 Budget	May 2020	June 2020	2020 Budget YTD
EXPENSES					
Administrative		90,000	9,592.03	9,058.48	46,331.92
Watershed-wide TMDL Admin		300			0.00
Grant Writing		1,000			0.00
Website		3,000	64.35	787.80	1,313.60
Legal		2,000			31.00
Audit		5,000			0.00
Insurance		3,900			3,644.00
Miscellaneous/Contingency		1,000			0.00
Technical Support - HCEE		15,000			0.00
Floodplain Mapping		39,360	1,291.00	4,261.50	39,164.00
Project Review Technical (Job 300)		185,000	3,482.49	7,899.00	25,722.99
Other Technical (Jobs 100 & 200)			10,502.00	4,771.50	32,554.50
Project Reviews - Admin		15,000	675.98	694.77	3,056.39
WCA - Technical		3,000			0.00
WCA - Legal		500			0.00
WCA - Admin		1,000			0.00
Stream Monitoring USGS		24,000			0.00
Stream Monitoring TRPD		7,200			0.00
DO Longitudinal Survey		1,000			0.00
TMDL Follow-up - TRPD		1,000			0.00
Rain Gauge		250	27.81	30.08	144.31
Rain Gauge Network		100			0.00
Lakes Monitoring - CAMP		760			0.00
Lakes Monitoring - TRPD					
Sentinel Lakes		8,100			0.00
Additional Lake		2,500			0.00
Aquatic Vegetation Surveys		1,100			0.00
Wetland Monitoring (WHEP)		4,000			0.00
Education		3,000	14.95	29.40	404.29
WMWA General Activities		5,000			3,000.00
WMWA Educators/Watershed Prep		4,500			2,000.00
WMWA Special Projects		2,000			1,000.00
Rain Garden Workshops/Intensive BMPs		3,000			625.00
Education Grants		1,000			0.00
Macroinvertebrate Monitoring-River Watch		3,000			0.00
Projects ineligible for ad valorem		0			0.00
Studies / Project ID / SWA		0	590.48		802.23
Plan Amendment		2,000		612.11	612.11
<i>Transfer to (from) Encumbered Funds (see below)</i>					0.00
<i>Transfer to (from) Capital Projects (see CIP Tr</i>		448,935			0.00
<i>Transfer to (from) Cash Sureties (see below)</i>				325.50	2,090.70
<i>Transfer to (from) Grants (see below)</i>		125,000	-	-	0.00
<i>To Fund Balance</i>					0.00
TOTAL - Month			26,241.09	28,470.14	162,497.04
TOTAL Paid in 2020, incl late 2019 Expenses		1,012,505.00	256,111.22	284,581.36	2020 Paid

Elm Creek Watershed Management Commission Treasurer's Report

		2020 Budget	May 2020	June 2020	2020 Budget YTD
INCOME					
<i>From Fund Balance</i>					
Floodplain Modeling		39,360			
Project Review Fee		80,000	15,199.00		45,516.50
Return Project Fee					0.00
Water Monitoring - TRPD Co-op Agmt		5,500			0.00
WCA Fees		0			0.00
Return WCA Fee					0.00
Reimbursement for WCA Expense					0.00
WCA Escrow Earned					0.00
Member Dues		237,300			237,300.00
Interest/Dividends Earned		8,250	237.28		5,161.39
<i>Transfer to (from) Capital Projects (see CIP Tr</i>		448,935			0.00
<i>Transfer to (from) Cash Sureties (see below)</i>					
<i>Transfer to (from) Grants (see below)</i>		100,000	20,000.00	-	0.00
Misc Income					0.00
Total - Month			35,436.28	0.00	287,977.89
TOTAL Rec'd 2020, incl late 2019 Income		919,345.00	336,561.29	336,561.29	2020 Received
CASH SUMMARY		Balance Fwd			
Checking		0.00			
4M Fund		1,263,863.98	1,344,314.05	1,315,843.91	
Cash on Hand			1,344,314.05	1,315,843.91	
CASH SURETIES HELD		Balance Fwd			Activity 2020
WCA Escrows Received		11,494.47			0.00
WCA Escrow Reduced				325.50	2,676.70
Total Cash Sureties Held		11,494.47	9,143.27	9,468.77	
RESTRICTED / ENCUMBERED FUNDS		Balance Fwd			
<i>Restricted for CIPs</i>					0.00
<i>Enc. Studies / Project Identification / SWA</i>					0.00
Total Restricted / Encumbered Funds		0	0.00	0.00	
			2019 Activity		
			May 2020	June 2020	2020 Budget YTD
GRANTS					
Fish Lake CWLA					
Revenue			20,000.00		-
Expense					-
Balance			20,000.00	-	-
Rush Creek SWA					
Revenue					-
Expense					-
Balance			-	-	-
BWSR Watershed-based Funding					
Revenue					-
Expense					-
Balance			-	-	-
TOTAL GRANTS					
Revenue			20,000.00	-	-
Expense			-	-	-
Balance			20,000.00	-	-

Elm Creek Watershed Management Commission Treasurer's Report

Claims Presented		General Ledger Account No	May	June	TOTAL
Campbell Knutson - Legal		521000			0.00
Connexus - Rain Gauge		551100		30.08	30.08
Barr Engineering					17,257.50
Floodplain Mapping		580440		4,261.50	
Project Review Technical (Job 300)		578050		7,899.00	
Other Technical (Jobs 100 & 200)		578050		4,771.50	
Ravinia Wetland Mitigation		240201		325.50	
JASS					11,182.56
Administration		511000		7,217.68	
TAC Support		511000		1,840.80	
Annual Report		511000			
Website		581000		787.80	
Project Reviews		578100		694.77	
WCA		579000			
WCA Reimbursable Ravinia		240201			
Plan Amendment		541500		612.11	
Education		590000		29.40	
CIPs General		563001			
Floodplain Mapping Admin		511000			
TOTAL CLAIMS					28,470.14



Monthly Statement

Service Address
ELM CREEK RD
DAYTON MN

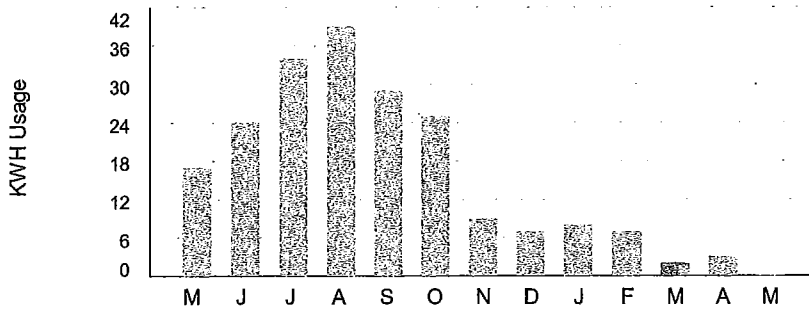
Billing Summary

Billing Date: May 18, 2020

Previous Balance	\$27.81
Payments - Thank You!	\$27.81
Balance Forward	\$0.00
New Charges	\$30.08
Total Amount Due	\$30.08

Payment must be received on or before June 13, 2020

Energy Comparison



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-007520/000034 AGY988 S1-ET-M1-C00002 1:



Account Number: **481113-238425** item 02b
ELM CREEK WATERSHED MGMT ORG

Total Amount Due

\$30.08

Due Date

June 13, 2020

Message Center

Board of Directors' Election Results

In the Connexus Energy Board of Directors' election, incumbents Michael Cady, Don Holl, and Shelly Peterson were re-elected to the Board. For more information, visit us at connexusenergy.com.

Call before you dig

May is National Electrical Safety Month. Before doing any digging in your yard, call 811 - Gopher State One Call. The locations of the utilities need to be flagged or marked before any digging is done.

Account Number:

481113-238425

Total Amount Due

\$30.08

Payment Due By

June 13, 2020



007520 2 AB 0.416 000021/007520/000034 044 01 AGY988
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy
PO Box 1808
Minneapolis, MN 55480-1808

00003008 0004811130238425 000000 00000 000000000000 0000009



INVOICE

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

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

June 1, 2020
 Invoice No: 23271759.00 - 6

Total this Invoice	\$4,261.50
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Regarding: Elm Creek Floodplain Mapping

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

- Addressing hydrology comments from the MnDNR
- Incorporate survey and as built data from MnDNR requested with draft hydrology models
- Review effective HEC-2 models and CLOMR/LOMR data
- Begin development of HEC-RAS hydraulic models

Total Contract Budget	Total Prior Billing	Billing this Invoice	Total Billing to Date	Budget Remaining
\$90,945.00	\$36,876.00	\$4,261.50	\$41,137.50	\$49,807.50

Professional Services from April 25, 2020 to May 22, 2020

Job: 100 Meetings

Labor Charges

	Hours	Rate	Amount	
Principal				
Campeau, Nathan	.60	170.00	102.00	
Engineer / Scientist / Specialist IV				
Waln, Joseph	2.80	155.00	434.00	
Engineer / Scientist / Specialist II				
Hlavaty, Heather	2.00	110.00	220.00	
Support Personnel II				
Nypan, Nyssa	.30	95.00	28.50	
	5.70		784.50	
Subtotal Labor				784.50
				Job Subtotal
				\$784.50

Job: 400 Hydrologic Analysis

Labor Charges

	Hours	Rate	Amount
Principal			
Campeau, Nathan	1.80	170.00	306.00
Engineer / Scientist / Specialist IV			
Waln, Joseph	1.00	155.00	155.00

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

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

Project	23271759.00	Elm Creek Floodplain Mapping	Invoice	6
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Engineer / Scientist / Specialist II

Hlavaty, Heather	5.80	110.00	638.00
Olsen, Tyler	1.50	95.00	142.50
Vecchi, Anthony	8.00	100.00	800.00

Engineer / Scientist / Specialist I

Anderson, Edward	5.00	90.00	450.00
	23.10		2,491.50

Subtotal Labor**2,491.50****Job Subtotal****\$2,491.50**

Job: 500 Hydraulic Modeling - Detailed Studies

Labor Charges

	Hours	Rate	Amount
Engineer / Scientist / Specialist IV			
Waln, Joseph	.30	155.00	46.50
Engineer / Scientist / Specialist II			
Hlavaty, Heather	4.50	110.00	495.00
Vecchi, Anthony	3.00	100.00	300.00
Engineer / Scientist / Specialist I			
Beck, Samantha	1.60	90.00	144.00
	9.40		985.50

Subtotal Labor**985.50****Job Subtotal****\$985.50****Total this Invoice****\$4,261.50**

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	4,261.50	36,876.00	41,137.50	36,876.00	4,261.50

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact Heather Hlavaty, your Barr project manager at 952.842.3613 or email at hhlavaty@barr.com.



INVOICE

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

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

June 1, 2020
 Invoice No: 23270F55.20 - 4

Total this Invoice	\$12,670.50
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Regarding: Review of development permits for compliance with the Elm Creek Watershed Management Plan

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

Job 100

Technical Services

- Meetings
- Preparing for meetings
- Attending TAC and WMC meetings
- Updating staff report

Pre-Project Review

- Communicating with potential permit applicants regarding the following projects:
 - IBC
 - Corcoran church project

Wetland Issues

- Participating in TEP meetings

General administrative tasks (invoicing, project setup)

- Updating annual report
- Coordinating with administrator

Job 200 – Other Assistance

MTDs

- Meeting planning

Job 300 – Project Reviews

Reviewing the following projects for compliance with stormwater and erosion control rules:

- 2017-039 Rush Creek Apartments
- 2018-033 Cloquet Island Estates
- 2020-009 Stetler Barn
- 2020-010 Birchwood
- 2020-011 Bellwether 4th Addition
- 2020-012 Wayzata HW Parking Lot
- 2020-013 Territorial Greens West
- 2020-014 Territorial Greens East
- 2020-015 Dayton Interchange Business Center
- 2020-016 Lennar Territorial Rd Development

Professional Services from April 25, 2020 to May 22, 2020

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

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

Project	23270F55.20	Elm Creek WMC 2020	Invoice	4
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Job: 100 Technical Services

Labor Charges

	Hours	Rate	Amount
Principal			
Herbert, James	8.90	200.00	1,780.00
Engineer / Scientist / Specialist IV			
Waln, Joseph	3.80	155.00	589.00
Support Personnel II			
Nypan, Nyssa	1.00	95.00	95.00
	13.70		2,464.00
Subtotal Labor			2,464.00

Subconsultant Charges

Subconsultants			2,227.50
Subtotal Subconsultant			2,227.50

Job Subtotal \$4,691.50

Job: 200 Other Assistance

Task: 001 MTDs

Labor Charges

	Hours	Rate	Amount
Principal			
Herbert, James	.40	200.00	80.00
	.40		80.00
Subtotal Labor			80.00

Task Subtotal \$80.00

Job Subtotal \$80.00

Job: 300 Project Reviews

Task: 1739 2017-039 Rush Creek Apartments

Subconsultant Charges

Subconsultants			275.00
Subtotal Subconsultant			275.00

Task Subtotal \$275.00

Task: 1833 2018-033 Cloquet Island Estates

Subconsultant Charges

Subconsultants			192.50
Subtotal Subconsultant			192.50

Task Subtotal \$192.50

Task: 2009 2020-009 Stetler Barn

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

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

Project	23270F55.20	Elm Creek WMC 2020	Invoice	4
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Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	.40	155.00	62.00	
	.40		62.00	
Subtotal Labor				62.00

Subconsultant Charges

Subconsultants			330.00	
Subtotal Subconsultant				330.00
		Task Subtotal		\$392.00

Task: 2010 2020-010 Birchwood

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	.80	155.00	124.00	
	.80		124.00	
Subtotal Labor				124.00

Subconsultant Charges

Subconsultants			1,072.50	
Subtotal Subconsultant				1,072.50
		Task Subtotal		\$1,196.50

Task: 2011 2020-011 Bellwether 4th Addition

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	16.20	155.00	2,511.00	
Engineer / Scientist / Specialist II				
Fang, Lulu	6.50	105.00	682.50	
Hlavaty, Heather	.50	110.00	55.00	
	23.20		3,248.50	
Subtotal Labor				3,248.50
		Task Subtotal		\$3,248.50

Task: 2012 2020-012 Wayzata HS Parking Lot

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	1.30	155.00	201.50	
	1.30		201.50	
Subtotal Labor				201.50

Subconsultant Charges

Subconsultants			605.00	
Subtotal Subconsultant				605.00

Project	23270F55.20	Elm Creek WMC 2020	Invoice	4
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Task Subtotal \$806.50

Task: 2013 2020-013 Territorial Greens West

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	.30	155.00	46.50	
	.30		46.50	
Subtotal Labor				46.50
			Task Subtotal	\$46.50

Task: 2014 2020-014 Territorial Greens East

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	.20	155.00	31.00	
	.20		31.00	
Subtotal Labor				31.00
Subconsultant Charges				
Subconsultants			880.00	
Subtotal Subconsultant				880.00
			Task Subtotal	\$911.00

Task: 2015 2020-015 Dayton Interchange Business Center

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	.20	155.00	31.00	
	.20		31.00	
Subtotal Labor				31.00
Subconsultant Charges				
Subconsultants			660.00	
Subtotal Subconsultant				660.00
			Task Subtotal	\$691.00

Task: 2016 2020-016 Lennar Territorial Rd Development

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV				
Waln, Joseph	.90	155.00	139.50	
	.90		139.50	
Subtotal Labor				139.50
			Task Subtotal	\$139.50
			Job Subtotal	\$7,899.00
			Total this Invoice	\$12,670.50

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	12,670.50	45,487.00	58,157.50	45,487.00	12,670.50

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

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

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



INVOICE

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

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

June 1, 2020
 Invoice No: 23270F55.05 - 19

Total this Invoice	\$325.50
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Regarding: Elm Creek Wetland Mitigation Monitoring

This invoice is for professional services related to Elm Creek Wetland Mitigation Monitoring project, which included the following tasks:

Job 001 – Ravinia Wetland Mitigation

Task 004 –2020 Monitoring and Report

- Data management and reporting

Professional Services from February 23, 2020 to May 22, 2020

Job:	001	Ravinia Wetland Mitigation
Task:	004	2020 Monitoring and Report

Labor Charges

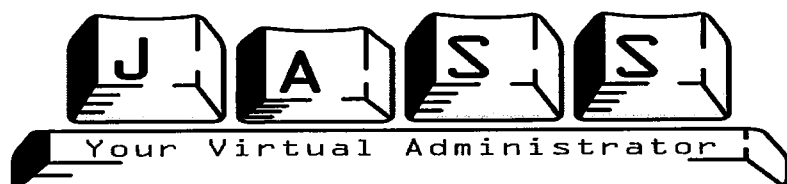
	Hours	Rate	Amount	
Engineer / Scientist / Specialist II				
Burgner, Brian	1.00	110.00	110.00	
Support Personnel II				
Lawless, Peter	1.40	120.00	168.00	
Nypan, Nyssa	.50	95.00	47.50	
	2.90		325.50	
Subtotal Labor				325.50
		Task Subtotal		\$325.50
		Job Subtotal		\$325.50
		Total this Invoice		\$325.50

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	325.50	20,518.75	20,844.25	20,518.75	325.50

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

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

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



3235 Fernbrook Lane
Plymouth MN 55447

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

2-Jun-20

Total by
Project Area

Administrative	1.90	60.00	114.00	
Administrative	63.51	65.00	4,128.15	
Admin - Offsite	2.04	70.00	142.80	
Office Support	12.00	200.00	2,400.00	
Storage Unit	1.00	134.42	134.42	
Data Processing/File Mgmt	1.32	60.00	79.20	
File Management		60.00	0.00	
Archiving		60.00	0.00	
Admin - Reimbursable Expense	219.11	1.00	219.11	7,217.680
Admin - TAC support		60.00	0.00	
Admin - TAC support	28.32	65.00	1,840.80	
Admin - TAC support offsite		70.00	0.00	
TAC Support - Reimbursable Expense		1.00	0.00	1,840.800
Website		60.00	0.00	
Website	12.12	65.00	787.80	
Web Domain, hosting		1.00	0.00	787.800
Project Reviews - Secre		60.00	0.00	
Project Reviews - Admin	8.39	65.00	545.35	
Project Reviews - Admin offsite		70.00	0.00	
Project Reviews - Admin - File Mgmt		55.00	0.00	
Project Reviews - Reimbursable Expense	149.42	1.00	149.42	694.770
Education - Secretarial		60.00	0.00	
Education - Admin		65.00	0.00	
Education - Admin Offsite - Blue Thumb Partner Event	0.42	70.00	29.40	
Education - Reimbursable Expense		1.00	0.00	29.400
Plan Amendment - Secre		55.00	0.00	
Plan Amendment - Admin	9.38	65.00	609.70	
Plan Amendment - Offsite		70.00	0.00	
Plan amendment - reimbursable	2.41	1.00	2.41	612.110
Invoice Total				11,182.560



3235 Fernbrook Lane
 Plymouth, MN 55447
 (763) 553-1144
 Fax: (763) 553-9326
 judie@jass.biz

To: Elm Creek Commissioners
From: Judie Anderson
Date: June 10, 2019
Subject: Public Meeting – Minor Plan Amendment

On May 13, 2020, the Elm Creek Watershed Management Commission, upon recommendation of the Technical Advisory Committee, agreed to move forward with a Minor Plan Amendment to its Third Generation Watershed Management Plan to revise the Capital Improvement Program as follows:

- A. Add the following projects:
 - 1. Elm Road Area Stream Restoration, Champlin, est cost \$500,000, Comm share in 2021 \$125,000.
 - 2. Corcoran City Hall Parking Lot, Corcoran, est cost \$40,000, Comm share in 2021 \$10,000.
 - 3. Elm Creek Stream Restoration Phase IV Hayden Lake Outfall, Champlin, est cost \$610,900, Comm share in 2021 \$152,725.
- B. Remove the following project:
 - 1. Rush Creek South Improvement, Maple Grove, est cost \$675,000, Comm share in 2020-2024 \$168,750
- C. Shift the timing for the following project from 2019 to 2021:
 - 1. Fox Creek South Pointe, Rogers, est cost \$90,000, Comm share \$22,500.
- D. Add more specificity to two projects:
 - 1. Livestock Exclusions, Buffers, and Stabilizations, Rush Creek Subwatershed, Comm share in 2020 \$50,000.
 - 2. Agricultural BMPs Cost Share, Rush Creek Subwatershed, Comm share in 2020 \$50,000.
- E. The remaining projects on the CIP are unchanged.

COMMISSION ACTION

The purpose of the public meeting is to present the proposed amendment and to take comment from the member cities and the public. The purpose of the public meeting is NOT to approve going forward with any of these projects. The recommended order of business is as follows:

- 1. Suspend regular meeting
- 2. Staff report
- 3. Commission discussion
- 4. Open public meeting
- 5. Take comments from member cities
- 6. Take comments from public
- 7. Close public meeting
- 8. Commission discussion
- 9. Consider approving Resolution 2019-02
- 10. Resume regular meeting

COMMENTS RECEIVED

The Commission must accept comments for 30 days consistent with [MN Rule 8410.0140 Subp. 2.B.](#) None have been received through June 2, 2020.

STAFF RECOMMENDATION

The Technical Advisory Committee has reviewed the proposed revisions to the Capital Improvement Program and found them to be consistent with the Commission's requirements.

Staff recommends that the Commission approve the amendment and adopt Resolution 2020-01. The Resolution will be effective upon approval of the amendment by the Hennepin County Board of Commissioners.

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

EXHIBIT A

LINE 27

Elm Creek Watershed Management Commission
Capital Improvement Project Submittal

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

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

EXHIBIT A

Elm Creek Watershed Management Commission

Capital Improvement Project Submittal

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

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

EXHIBIT A

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

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

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

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

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ELM CREEK WATERSHED MANAGEMENT COMMISSION
STATE OF MINNESOTA

RESOLUTION NO. 2020-01

ADOPTING A MINOR AMENDMENT TO THE THIRD- GENERATION PLAN

WHEREAS, on October 14, 2015, the Elm Creek Watershed Management Commission (Commission) adopted the *Elm Creek Watershed Management Commission Third Generation Watershed Management Plan*, (hereinafter, “Plan”); and

WHEREAS, the Plan includes a Capital Improvement Program (CIP); and

WHEREAS, the Commission has proposed a Minor Plan Amendment that would add three projects to the CIP; and

WHEREAS, the Commission has also proposed that the Minor Plan Amendment would remove one project from the CIP; and

WHEREAS, the Commission has also proposed that the Minor Plan Amendment would shift the timing of one project currently listed on the CIP; and

WHEREAS, the Commission has also proposed that the Minor Plan Amendment would add specificity to two projects; and

WHEREAS, Table 4.5 of the Capital Improvement Program will be revised to reflect these changes; and

WHEREAS, the proposed Minor Plan Amendment has been reviewed in accordance with the requirements of Minnesota Statutes, Section 103B.231; and

WHEREAS, on June 2, 2020, the Minnesota Board of Water and Soil Resources did approve proceeding to adoption by a Minor Plan Amendment; and

WHEREAS, on June 10, 2020, after legal and written notice duly given, the Commission held a public informational meeting to explain the proposed revisions; and

WHEREAS, the Commission has determined that it would be reasonable and appropriate and in the public interest to adopt the Minor Plan Amendment;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Elm Creek Watershed Management Commission that:

1. The Minor Plan Amendment is approved and adopted contingent upon approval by the Hennepin County Board of Commissioners, said approval anticipated forthwith.
2. Commission staff is directed to notify appropriate parties of the Amendment to the Plan.

Adopted by the Board of Commissioners of the Elm Creek Watershed Management Commission this tenth day of June, 2020.

Doug Baines, Chair

ATTEST:

Judie Anderson, Recording Secretary

**STATE OF MINNESOTA
COUNTY OF HENNEPIN**

I, Judie A. Anderson, do hereby certify that I am the custodian of the minutes of all proceedings had and held by the Board of the Elm Creek Watershed Management Commission, that I have compared the above resolution with the original passed and adopted by the Board of said Commission at a regular meeting thereof held on the tenth day of June, 2020, at 11:30 a.m., that the above constitutes a true and correct copy thereof, that the same has not been amended or rescinded and is in full force and effect.

IN WITNESS WHEREOF, I have hereunto placed my hand and signature this tenth day of June, 2020.

Judie A. Anderson
Recording Secretary

(NO SEAL)

elm creek

Watershed Management Commission

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

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

STAFF REPORT

June 3, 2020

a. 2017-039 Rush Creek Apartments, Maple Grove. This project is located in the southwest quadrant of the intersection of Bass Lake Road (CSAH 10) and Troy Lane (CSAH 101). The project area is 8.2 acres in size and proposes *five apartment buildings (246 units) and a clubhouse*. This project was reviewed for conformance to Rules D, E, and I. *Regional ponds within this area were approved during the Markets at Rush Creek development (2009-004) review. Compliance to the regional approvals was also a component of this review. At their May 13, 2020 meeting the Commission accepted Staff's findings dated April 29, 2020 and approved this project contingent upon: (a) Maintenance access to the stormwater ponds must be provided and (b) The O&M plan for the stormwater management systems (biofiltration basin) must be provided for the Commission's approval. Said plans must be recorded on the property title and a copy of the recorded document must be provided to the Commission. Item (a) has been resolved. This project will be moved to the O&M documentation section of the report.*

b. 2017-050W Ernie Mayers Wetland/floodplain violation, Corcoran. The City of Corcoran contacted the Commission in December 2017 concerning drainage complaints on Mayers' property. Technical Evaluation Panels (TEPs) were held in 2017 and 2018 to assess the nature and extent of the violations and a restoration order was issued to Mayers. On October 30, 2018, an appeal of the restoration order was received by BWSR. BWSR issued an order of abeyance (stay) on the appeal until April 1, 2019. An application for a replacement plan was received from Mayers on January 29, 2019. It addresses the wetland fill (4:1 replacement request) and drain tile (disable existing tile) impacts, but requests additional time to submit an application to address the ditch (WCA jurisdiction) and floodplain (Commission jurisdiction) impacts. A TEP was held February 28, 2019 to address the replacement plan and provide guidance to the LGU.

The City of Corcoran assumed WCA LGU responsibilities for this project on March 1, 2019. Corcoran and BWSR have extended the decision process to July 30, 2019. An updated replacement plan was received by the City on July 24, 2019. A TEP was held August 13 to discuss the plan. Corcoran extended the deadline for their decision to November 21, 2019. A new no-loss and replacement plan was received by the LGU on November 14, 2019. The TEP recommended and the LGU denied the application. Mayers appealed the decision. A TEP was held January 30, 2020 to discuss possible resolutions to the appeal. As of this update, no solution has been obtained.

c. 2018-020 North 101 Storage, Rogers. This is an existing 3-acre lot in the northwest corner of Highway 101 and CR144. The current land use is a combination of mini-storage units and outdoor storage. The site is proposed for complete demolition and construction of seven new mini-storage buildings. At their July meeting the Commission approved Staff findings dated July 9, 2018, pending four items relating to abstraction requirements and the infiltration system. The applicant requested and was granted an extension to December 31, 2020, provided the review process with the City of Rogers does not expire. *No updates this month.*

RULE D - STORMWATER MANAGEMENT
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RULE I - BUFFERS

Italics indicates new information

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d. 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 meeting. Conditions of approval were to submit a SWPPP plan meeting requirements, clarify maintenance responsibilities for the iron enhanced sand filter, and a letter from the City of Rogers stating their intentions to provide the water quality deficit in an upcoming project. Staff confirmed several minor plan revisions remain in conformance with the original approval. This item will remain on the Staff report until such time as the water quality deficit has been made up. *No updates this month.*

e. 2019-024 Boston Scientific Weaver Lake Road, Building 2 East Addition, Maple Grove. Boston Scientific is building an addition on the east side of Building 2 to provide more production and office space for their existing facility. The project includes moving the existing service drive and site utilities on the east side of Building 2 to the east within the BS property to create space for the building addition. About 1.9 acres of the site will be disturbed and 1.06 acres of impervious surface will be added. This project was reviewed for compliance to Rules D, E, F, and I. Based on Staff findings dated September 11, 2019, at their September 11, 2019 meeting the Commission approved the project contingent upon: (1) a site plan that provides the irrigation areas to be irrigated by the new system and (2) an operation and maintenance plan for the irrigation system approved by the City and the Commission and recorded on the land title. The applicant and their engineer are pursuing overall stormwater management alternatives for this project and potential future projects. Updates will be provided to the Commission when the applicant resolves how they would like to proceed. *In discussions with the applicant's agent, he stated this project was on hold until 2021 due to COVID19 issues. At this time they are proceeding with the overall stormwater managmnet plans and hope to provide these to Staff in June.*

f. 2019-030 Rolling Hills Acres, Corcoran. This is a 40.8-acre rural agriculture parcel located a mile north of Highway 55 on the east side of Rolling Hills Road. There is an existing home site in the far southwest corner of the parcel. The project proposes to subdivide the property into four large single-family lots ranging from 6.9 to 12.7 acres in size. The project will create approximately 0.5 acres of new impervious area. There are wetlands and floodplains on this site. The site plan triggers the Commission's review for conformance to Rules E, I, and F. Because there are no grading or floodplain impacts proposed, Staff approved this project contingent upon: (1) a planting plan of native vegetation being developed for the wetland buffer areas that are not in permanent vegetation at this time, and (2) a permanent vegetation cover plan being developed to control erosion and sedimentation on this site. *The developer provided Staff with a narrative to account for the conditions of approval. This is acceptable and will be approved by Staff. This item will be removed from the report.*

g. 2020-001 Outlot L, Markets at Rush Creek, Maple Grove. Outlot L is a 1.55-acre lot located in The Markets at Rush Creek (Hy-Vee South) PUD development. This project is located just west of the Hy-Vee gas station and south of CR10. A 12,000 SF multi-tenant building and associated parking is proposed for this site. Stormwater management for this lot is part of the regional stormwater system approved by the Commission for project 2016-002. Commission rules require compliance with Rules D and E.. On January 23, 2020, Staff administratively approved this project contingent upon receipt of a dated and signed set of the final development stage plans. *No new information has not been received.*

h. 2020-002 Project 100, Maple Grove. *This project has been renamed Minnesota Health Village (MHV).* Ryan Companies is proposing to develop 100.6 acres of agricultural land into a mixed-use development

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consisting of office, medical, hospital, multi-family residential and senior living facilities. This site is situated between I-610 to the north, I-94 to the west and the Maple Grove Hospital to the east. The applicant is looking for approval of a regional stormwater management system to address the Commission's present-day requirements throughout the timeline for all the phases of this development. Additionally, they are requesting grading and erosion control approvals for Phase I of the development.

Phase I site plans consists of mass grading of approximately 35 acres in the southeast portion of the site. This will accommodate street and utilities, 383 parking stalls for the existing hospital and future building in this area. The Commission *reviewed* the concept plan for compliance with Rule D. In addition, it *reviewed* Phase I for compliance with Rules D, E, G and I. At their March 2020 meeting the Commission approved this project contingent upon the following conditions: Phase I site plans: (1) Feasibility to infiltrate stormwater in the filter bench areas of ponds 1 and 2 must be determined. If infiltration is considered feasible, design revisions and compliance with MPCA infiltration design criteria is required and (2) City, MN WCA and Commission compliance on any wetland impacts must be adhered to. *These two items remain outstanding as of this report.*

Concept Site Plans: The overall stormwater management concept plan design meets the Commission's standards provided. (1) Feasibility to infiltrate stormwater in the future filter bench areas and biofiltration basins is determined. If infiltration is considered feasible, design revisions and compliance with MPCA infiltration design criteria is required. (2) Commission Project review and approval are required when future site development triggers a review. These two items are considered on-going and will come forward as this site develops. No other information is necessary at this time.

For Phase I and the Concept Plans: The Commission recommends the management of stormwater runoff to minimize the impacts of the application of chloride compounds on water resources by minimizing their use on roads, parking lots, sidewalks and other impervious surfaces. Toward that end, the Commission requests that existing and future landowners develop and implement a chloride management plan on all private parking and walking areas within this project to minimize chloride runoff into surface water on site. The primary element of such a plan is implementation and application of salt to these surfaces by an applicator with MPCA Level 1 Certification in Snow & Ice Control Best Practices.

Note: The City of Maple Grove is looking at the feasibility to consolidate as many of the regional ponds for this site as possible while continuing to meet the regulations and goals of the approved plans. Commission staff will work with the City to ensure the Commission's regulator requirements and approvals are compliant. This will be on-going as the site develops. *No new information has not been received in May for this project.*

i. **2020-004 Elm Road Area Project, Maple Grove.** This is approximately 53 acres consisting of nine large residential parcels proposed to be developed into 106 single-family residential lots. It is located along Elm Road near the border of Plymouth. Updated plans were received March 26, 2020. At their April 2020 meeting the Commission approved this site plan contingent upon appropriate skimming of floatables for the low-flow pipe running into filter basins 1 and 1W and compliance with all State and City WCA requirements. *The plans are being modified at this time to include submerged pipes for skimming of the floatables on basins 1 and 1W. No new information has been received on the WCA issues.*

j. **2020-008 Lone Gardens, Dayton.** This project is located at the northwest intersection of CSAH 144 (Diamond Lake North) and 12 (Dayton River Road). The site is three agricultural properties totaling 48.29 acres. 112 new single-family residential lots creating 16.84 acres of new impervious surface area are proposed for this development. The Commission's review will be for compliance with Rules D, E, G, and I. *In-*

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ital findings with no recommendations were provided in the April packet. Staff extended the decision deadline 60-days to July 8, 2020. No new information has been provided as of this update.

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

l. 2020-010 Birchwood, Rogers. This project is located on the east side of CR 13 (Brockton Lane) one-quarter mile south of the intersection of CR 144 (141st Ave. N.) and CR 13. It consists of two parcels that total 21.15 acres. It is currently all cropland with a 1.0-acre farmstead in the southwest corner and a 1.17-acre farmed wetland in the northwest corner. The applicant is proposing to develop the site into 61 single family residential lots and one amenity lot creating 7.73 acres of new impervious areas. The Commission's review is for conformance to Rules D, E, and I. Current plans comply with Rules E and I. *At their May 13, 2020 meeting the Commission approved this project conditioned upon receipt of the NPDES SWPP Plan on this site. The SWPP plans have been received, but Staff requested more specifics on vegetation restoration of the site during and after rough grading activities.*

m. 2020-011 Bellwether 4th/5th Additions, Corcoran. This project is located west of County Road 101 (Brockton Lane N) and south of Stieg Road. The project will construct 20 residential units as part of a larger residential and commercial development on 226 acres, including approximately 400 residential lots and 13 acres of commercial area. Plans for the larger development were approved in 2018 (Project #2018-032). This is an administrative review for the Commission to check that the additions are consistent with the plans approved in 2018 and remain in conformance with Rules D, E, F and I. Current plans do not comply with Rule F. *Staff's review and findings dated June 3, 2020, are included in this month's packet with contingent approval pending receipt of an updated stormwater management plan.*

n. 2020-012 Wayzata High School Parking Lot, Plymouth. This project is located on the east side of the Wayzata High School building. This site plan triggers the Commission's review requirements for Rules D and E. It will disturb 3.5 acres and create an additional 0.71 acres of impervious area. *Staff's review and findings are provided in the June packet. This project is recommended for approval without conditions.*

o. 2020-013 Territorial Greens West, Maple Grove. This is currently an incomplete application. Site plans and authorization from the City of Maple Grove are required. The site is 15.2 acres located on Territorial Road near the intersection of I-610 and CR 81. The applicant is proposing to create 13 single-family detached and 208 multi-family homes.

p. 2020-014 Territorial Greens East, Maple Grove. This is a 13.2-acre site located at the southerly terminus of Territorial Road. CR 81 and I-610 are south of it and the Elm Creek Park Reserve borders it to the north and east. Seventy-three (73) single-family townhomes creating 5.6 acres of new impervious area are proposed on the site. Staff is reviewing this site for compliance to Rules D and E. Initial findings are included in the meeting packet with no recommendations provided at this time.

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q. 2020-015 Dayton Interchange Business Center, Dayton Scannell Properties is proposing to develop a 12-acre parcel of agricultural land into a 124,000 SF office/warehouse building with its related infrastructure, creating 6.2 acres of new impervious area. This site is located west of CR 81 and north of Territorial Road near Holly Lane. The site plan triggers a Commission review for conformance Rules D, E, G and I. Initial findings are included in the meeting packet with no recommendations provided to the Commission at this time.

r. 2020-016 Skye Meadows, Rogers. Lennar Corporation is proposing to construct a residential development on 130 acres along Territorial Road. This site consists of six separate parcels located both north and south of Territorial Road (CR116) just west of Tilton Trail. There are 363 single-family residential units proposed creating 38.73 acres of new impervious areas in seven phases. The Commission's review will be for conformance to Rules D, E, F, G, and I for all seven phases. It will review compliance for erosion and sediment controls for Phase 1 and 2 (initial grading proposed). Future site development must be reviewed for compliance to the approvals on this project plus future erosion and sediment controls. Initial findings are attached with no recommendations provided to the Commission at this time.

s. 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 on May 29, 2020 and has not been reviewed as of this staff report update. This project will most likely be available for the Commission's decision at their July meeting.

FINAL RECORDINGS OR OTHER DOCUMENTATION ARE DUE ON THE FOLLOWING PROJECTS: *(Staff reached out to the cities for updates on these projects on March 4, 2020.)*

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

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

aj. 2016-002 The Markets at Rush Creek, Maple Grove. This is a proposal to develop 40 acres of a 123-acre PUD located in the southwest quadrant of the intersection of CSAH 101 and CSAH 10. In 2016 the Commission granted Staff authority to administratively approve the project and report any updates. Updated plans with minor layout revisions were reviewed by Staff and administratively approved on July 24, 2018, contingent upon the Operations Manager requesting a copy of the recorded maintenance agreement. On March 4, 2020, Derek Asche reported that the agreement has been signed but not yet recorded. The City will have the document recorded to satisfy the final condition of this project.

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Italics indicates new information

indicates enclosure

ak. 2016-005W Ravinia Wetland Replacement Plan, Corcoran. In December 2016 the Commission approved Staff's recommendations on this wetland replacement plan. Final wetland impacts are 1.22 acres. Wetland credits created on site will be 4.01 acres. Excess credits of 0.75 acres are proposed to be used on Lennar's Laurel Creek development in Rogers (2017-014). All approval contingencies have been met and construction is completed.. Vegetation planting and management took place throughout 2017. Barr Engineering is providing monitoring to ensure the replacement meets the performance standards of the approved plans. Their first annual report was submitted to the US Army Corps of Engineers on February 7, 2019. Kevin Mattson indicated on October 2, 2019 that no further updates are available.

al. 2016-047 Hy-Vee North Maple Grove. The applicant is proposing to disturb 13 acres of a 20.4-acre site located at the northeast corner of Maple Grove Parkway and 99th Avenue for the purpose of constructing a grocery store, fuel station, convenience store and parking facilities. In findings dated January 10, 2017, Staff recommended approval of this project subject to three conditions. The Commission approved Staff's recommendations at their January 2017 meeting with the additional requirement that the Commission receive and comment on a WCA impact notice. (Also see Project 2019-023 99th Avenue Apartments. That project is part of this PUD and had the same requirements prior to approval.) WCA, Buffer easement protection and updated grading plans were received and approved by the Commission in February 2017. As of this update, the final outstanding item is the operation and maintenance agreement.

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

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

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

ao. 2018-026 Windrose, Maple Grove. The Commission approved Staff's finding and recommendations dated July 20, 2018. Final plan approval is contingent upon verification of the wetland approvals by the City and the approval and recording of the operation and maintenance plan on the filter basins. On February 5, 2019 Derek Asche reported that the City will receive the agreement for the filter basins with the grading permit application.

ap. 2018-028 Tricare Third Addition, Maple Grove In their findings dated August 7, 2018, Staff recommended approval contingent on approval and recordation of the O&M plan on the filter basins. The Commission further recommended that the City consider an oil/debris type of separator in the parking lot manhole. It is a condition of the grading permit that the maintenance agreement is provided. No update was available on July 2, 2019.

aq. 2018-044 OSI Phase II, Medina. Staff findings dated October 9, 2018 were approved by the Commission at their October meeting contingent upon receipt of an approved stormwater system O&M plan being recorded on the property title. On October 2, 2019 Dusty Finke reported that the City is still awaiting final plat for this project.

ar. 2018-048 Faithbrook Church, Phase 2, Dayton. This is an application for review of an expansion of an existing church located northeast of the intersection of Fernbrook Lane and Elm Creek Road. The Commission approved this

project at their November 2018 meeting conditioned upon receipt of a SWPPP meeting NPDES requirements and the City accepting maintenance responsibility or recording a modified O&M plan for the stormwater features on the site in a form acceptable to the Commission. On February 7, 2019, Jason Quisberg reported that this project has gone idle; it is believed to be due to funding needs of the applicant. It was expected activity would resume in Spring 2019.

as. 2019-001 Fernbrook View Apartments, Maple Grove. This is a 4.85-acre rural residential lot located at the northeast intersection of CSAH 81 and Fernbrook Lane. The applicant proposes to construct a 2-story, 42-unit apartment building. This project was approved at the February 2019 Commission meeting with the following conditions: (1) the applicant pursue utilizing water from the NURP pond for irrigation needs for this property; (2) long term operation and maintenance on the stormwater basin must be addressed; (3) mean average pond depth must meet the Commission standard; (4) pond filter bench details must be provided. With the exception of the O&M plans, these conditions have been met by the applicant. This project was approved by the Commission's technical advisor per the updated project review dated February 5, 2020.

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

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

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

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

BUFFER REVIEW

2020 buffer monitoring review has been completed. Residents who have action items they need to address have been notified by US Mail, residents who will be receiving a spot check will be notified by US Mail closer to when those field visits will be allowed/taking place - probably June or so. There is a waiting list of project development (Rush Creek and elsewhere in the watershed) and resident concerns site visits that are waiting for Environment and Energy leadership to decide can be safely conducted.

ELM CREEK FLOODPLAIN MAPPING PROJECT

Heather Hlavaty at Barr Engineering provided the following update for June

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

Work conducted over the last month:

1. Addressing hydrology comments from the MnDNR
2. Incorporate survey and as built data from MnDNR requested with draft hydrology models
3. Review effective HEC-2 models and CLOMR/LOMR data
4. Begin development of HEC-RAS hydraulic models

Work that is anticipated to occur over the month:

5. Resubmit hydrology model to the MnDNR
6. Development of HEC-RAS hydraulic models
7. Identify additional survey needs

Data/input we are waiting on from others

- Nothing at this time

Budget spent through 5/29/2020: \$ 41,138 (55% remaining)



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 Plymouth, MN 55447
 (763) 553-1144
 Fax: (763) 553-9326
 judie@jass.biz

To: Elm Creek Commissioners
 Technical Advisory Committee

From: Judie Anderson

Date: June 3, 2020

Subject: 2019 Preliminary Audit Report and 2021 Proposed Budget

In your meeting packet are two documents – the preliminary 2019 Audit Report and a spreadsheet that includes the 2021 proposed Operating Budget.

I. I have reviewed the preliminary Audit Report prepared by your auditors, Johnson & Company, and recommend its acceptance. The report must be accepted by the Commission and forwarded to the State Auditor by June 30, 2020.

A. The central parts of the Audit Report, the income statement and the balance sheet, have been transferred onto the spreadsheet. (*black numbers are positive, red numbers are negative*)

1. The 2019 income statement includes the highlighted numbers in lines 6-118 of column AX.
2. The 2019 balance sheet is comprised of the highlighted numbers in lines AX120-150.
3. The Commission operates on the Cash Basis. However, a quasi-accrual basis is used to report monies in various funds – funds where money is “stored” for a particular use.
4. The Commission follows Rule 54 of the Government Accounting Standard Board (GASB) to report Fund Balances. The fund balance classifications are defined in lines 152-157. The components of the various funds are shown in lines 163-210.

B. Solely based on the activity shown in the balance sheet and income statement, in 2019 the Commission had a surplus of \$65,149 (line 118).

II. The spreadsheet shows the Commission’s 2018 and 2019 budgets and activities as well as the 2020 approved Budget (columns AT through AZ).

A. In column BA are included the 2020 revenue and expenditures year-to-date through the May Treasurer’s Report.

B. In column BB are adjustments to the 2020 budget based on best-guess updates. They total \$19,150 (line 97) and would increase the general fund by that amount.

C. Column BC shows the proposed operating budget for 2019.

D. The notes in column BD explain either (1) adjustments to the 2020 budget or (2) the reasoning for the numbers that comprise the 2021 budget. The 2021 budget is based on a zero increase in member assessments over 2020 and, as written, shows a deficit of \$67,260 (line 118).

1. The total of general activities, including general operating expenses, education, watershed management plan, water monitoring, and floodplain modeling, along with their revenue streams, is shown on line 74 and total \$54,540.

2. However, when adding project review and WCA (Wetland Conservation Act) expense and related revenue, the Commission is in a **deficit position for the year 2021** of \$42,460 (line 97). *The Technical Advisory Committee (TAC) will be meeting on Monday, June 8, 2020, to discuss this position and may have a recommendation to bring forward at the meeting.*

E. Lines 100-117 show projected activity related to CIPs, grants, and special projects.

1. As currently approved by the TAC, \$175,000 worth of projects are being proposed for certification to Hennepin County for tax levy. The total levy amount of \$185,588 (line 102) is derived by adding 5% to the cost for administrative and other expenses and 1% to cover levy shortfalls.

2. As yet-unidentified grant funding is proposed in 2021. If, for example, the Commission were to be awarded a \$100,00 BWSR grant (line 115), it would be necessary for the Commission and its partners to expend \$125,000 (25% match) (line 104). *The Commission must discuss whether this item should remain in the 2021 budget. However, a caution, in approving our next generation plan, BWSR looks favorably at the ways the Commission optimizes opportunities to improve/preserve water quality. Do we have projects in mind?*

III. The Commission's 2021 Operating Budget must be approved by the Commission and forwarded to the member cities by June 30, 2020.

PRELIMINARY

ELM CREEK WATERSHED
MANAGEMENT COMMISSION

Financial Statements and
Supplemental Information
For the Year Ended
December 31, 2019

PRELIMINARY**ELM CREEK WATERSHED MANAGEMENT COMMISSION****Table of Contents**

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PRELIMINARY**INDEPENDENT AUDITORS' REPORT**

Commissioners
Elm Creek Watershed Management Commission
Plymouth, Minnesota

Report on the Financial Statements

We have audited the accompanying financial statements of the governmental activities and major fund of the Elm Creek Watershed Management Commission (the Commission), as of and for the year ended December 31, 2019, and the related notes to the financial statements, which collectively comprise the Commission's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

The Commission's management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Commission's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the governmental activities and major fund of the Commission as of December 31, 2019, the respective changes in the financial position thereof, and the budgetary comparison for the General Fund for the year then ended in accordance with accounting principles generally accepted in the United States of America.

PRELIMINARY

OTHER MATTERS**Required Supplementary Information**

Management has omitted the management's discussion and analysis that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Such missing information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. Our opinion on the basic financial statements is not affected by this missing information.

Prior Year Comparative Information

We have previously audited the Commission's financial statements for the year ended December 31, 2018 and we expressed unmodified audit opinions on the respective financial statements of the governmental activities and each major fund in our report dated June 20, 2019. In our opinion, the partial comparative information presented herein as of and for the year ended December 31, 2019 is consistent, in all material respects, with the audited financial statements from which it has been derived.

Other Reporting

We have also issued our report dated _____, 2020, on our consideration of the Commission's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the internal control over financial reporting or on compliance.

_____, 2020

PRELIMINARY

BASIC FINANCIAL STATEMENTS

PRELIMINARY

Elm Creek Watershed Management Commission

Statement of Net Position and
Governmental Fund Balance Sheet

As of December 31, 2019

(with Partial Comparative Actual Amounts as of December 31, 2018)

	Governmental Activities	
	2019	2018
Assets		
Cash and investments	\$ 1,185,127	\$ 1,204,595
Restricted cash	78,737	98,444
Due from local governments	114,038	15,167
Total assets	<u>\$ 1,377,902</u>	<u>\$ 1,318,206</u>
Liabilities and Fund Balances/Net Position		
Liabilities		
Accounts payable	\$ 122,084	\$ 107,830
Financial and administrative guarantee fee deposits	11,494	30,000
Unearned revenue	67,243	68,444
Total liabilities	<u>200,821</u>	<u>206,274</u>
Fund balances/net position		
Restricted fund balances/net position		
Restricted for capital improvement projects	763,789	732,763
Restricted closed project funds	1,342	1,221
Total restricted fund balance/net position	<u>765,131</u>	<u>733,984</u>
Assigned fund balances/net position		
Assigned for capital projects, studies	205,437	175,297
Assigned for projects ineligible for ad valorem	-	50,000
Unrestricted/unassigned fund balances/net position	206,513	152,651
Total assigned or unrestricted fund balances/net position	<u>411,950</u>	<u>377,948</u>
Total fund balances/net position	<u>1,177,081</u>	<u>1,111,932</u>
Total liabilities and fund balances/net position	<u>\$ 1,377,902</u>	<u>\$ 1,318,206</u>

PRELIMINARY

Elm Creek Watershed Management Commission

Statement of Activities and
Governmental Fund Revenues, Expenditures, and
Changes in Fund Balances/Net Position

Budget and Actual

Year Ended December 31, 2019

(with Partial Comparative Actual Amounts for the Year Ended December 31, 2018)

	Governmental Activities			
	2019			2018
	Original and Final Budget	(Audited)	Over (Under)	(Audited)
Revenue				
General				
Member assessments	\$ 230,400	\$ 230,400	\$ -	\$ 225,000
Property taxes (ad valorem)	462,500	458,032	(4,468)	436,393
Charges for services - project and wetland review fees	89,000	60,826	(28,174)	79,488
Reimbursements	51,386	67,804	16,418	5,000
Grants	-	45,028	45,028	99,411
Interest income	3,000	26,407	23,407	18,381
Total revenue	<u>836,286</u>	<u>888,497</u>	<u>52,211</u>	<u>863,673</u>
Expenditures				
Current				
Administration	112,500	106,042	(6,458)	104,317
Education	21,500	14,493	(7,007)	13,443
Grant programs	-	124,092	124,092	27,631
Insurance	3,900	2,661	(1,239)	2,770
Professional fees	7,000	6,350	(650)	4,771
Technical support	158,786	95,419	(63,367)	145,916
Water monitoring	65,410	40,348	(25,062)	39,418
Watershed programs	109,700	-	(109,700)	-
Watershed plan	2,000	1,396	(604)	1,388
Capital outlay				
Improvement projects	462,500	432,547	(29,953)	327,079
Total expenditures	<u>943,296</u>	<u>823,348</u>	<u>(119,948)</u>	<u>666,733</u>
Net change in fund balances/net position	<u>\$ (107,010)</u>	<u>65,149</u>	<u>\$ 172,159</u>	<u>196,940</u>
Net fund balances/net position				
Beginning of year		1,111,932		914,992
End of year		<u>\$ 1,177,081</u>		<u>\$ 1,111,932</u>

PRELIMINARY**Elm Creek Watershed Management Commission****Notes to Financial Statements
December 31, 2019****NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES****Organization**

The Elm Creek Watershed Management Commission is formed under a Joint Powers Agreement, as amended according to Minnesota Statutes Sections 103B.201 through 103B.255 and Minnesota Rules Chapter 8410 relating to Metropolitan Area Local Water Management and its reporting requirements. Elm Creek Watershed Management Commission was established in February, 1973 to protect and manage the natural resources of the Elm Creek Watershed.

The Commission is considered a governmental unit, but is not a component unit of any of its members. As a governmental unit, the Commission is exempt from federal and state income taxes.

Reporting Entity

A joint venture is a legal entity resulting from a contractual agreement that is owned, operated, or governed by two or more participants as a separate and specific activity subject to joint control, in which the participants retain either an ongoing financial interest or an ongoing financial responsibility. The Commission is considered a joint venture.

As required by accounting principles generally accepted in the United States of America, these financial statements include the Commission (the primary government) and its component units. Component units are legally separate entities for which the primary government is financially accountable, or for which the exclusion of the component unit would render the financial statements of the primary government misleading. The criteria used to determine if the primary government is financially accountable for a component unit include whether or not the primary government appoints the voting majority of the potential component's unit board, is able to impose its will on the potential component unit, is in a relationship of financial benefit or burden with the potential component unit, or is fiscally depended upon by the potential component unit. Based on these criteria, there are no component units required to be included in the Commission's financial statements.

Government-Wide and Fund Financial Statement Presentation

The government-wide financial statements (the Statement of Net Position and the Statement of Activities) report information about the reporting government as a whole. These statements include all the financial activities of the Commission. The Statement of Activities demonstrates the degree to which the direct expenses of a given function are offset by program revenues. Direct expenses are those that are clearly identifiable with a specific function or segment. Program revenues include charges to customers or applicants who purchase, use, or directly benefit from goods, services, or privileges provided by a given function or segment, and grants or contributions that are restricted to meeting the operational or capital requirements of a particular function or segment. Other internally directed revenues are reported instead as general revenues.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)****Measurement Focus, Basis of Accounting and Financial Statement Presentation**

The government-wide financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Grants and similar items are recognized as revenue as soon as eligibility requirements imposed by the provider have been met.

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be available when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the Commission considers revenue to be available if they are collected within 60 days of the end of the current fiscal period. Expenditures generally are recorded when a liability is incurred, as under accrual accounting.

Fund Financial Statement Presentation

The accounts of the Commission are organized on the basis of funds, each of which is considered a separate accounting entity. The operations of each fund are accounted for with a separate set of self-balancing accounts that comprise its assets, liabilities, fund equity, revenue, and expenditures. Resources are allocated to, and accounted for in individual funds based on the purposes for which they are to be spent and the means by which spending activities are controlled. The resources of the Commission are accounted for in one major fund:

- **General Fund (Governmental Fund Type)** – This fund is used to receive dues and miscellaneous items which may be disbursed for any and all purposes authorized by the bylaws of the Commission.

Typically, separate fund financial statements are provided for Governmental Funds. However, due to the simplicity of the Commission's operation, the Governmental Fund financial statements have been combined with the government-wide statements.

Budgets

The amounts shown in the financial statements as "budget" represent the budget amounts based on the modified accrual basis of accounting. A budget for the General Fund is adopted annually by the Commission. Appropriations lapse at year-end. Budgetary control is at the fund level.

Use of Estimates

The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)****Members' Contributions**

Members' contributions are calculated based on the member's share of the taxable market value of all real property within the watershed to the total market value of all real property in the watershed.

Capital assets

The Commission follows the policy of expensing any supplies or small equipment at the time of purchase. The Commission currently has no capitalized assets.

Risk Management

The Commission is exposed to various risks of loss related to torts: theft of, damage to, and destruction of assets; error and omissions; and natural disasters. The Commission participates in the League of Minnesota Cities Insurance Trust (LMCIT), a public entity risk pool for its general property, casualty, and other miscellaneous insurance coverages. LMCIT operates as a common risk management and insurance program for a large number of cities in Minnesota. The Commission pays an annual premium to LMCIT for insurance coverage. The LMCIT agreement provides that the trust will be self-sustaining through member premiums and will reinsure through commercial companies for claims in excess of certain limits. Settled claims have not exceeded this commercial coverage in any of the past three years. There were no significant reductions in insurance coverage during the year ended December 31, 2019.

Receivables

The Commission utilizes an allowance for uncollectible accounts to value its receivables; however, it considers all of its receivables to be collectible as of December 31, 2019 and 2018.

Net Position

In the government-wide financial statements, net position represents the difference between assets, deferred outflows of resources, liabilities, and deferred inflows of resources. Net position is displayed in three components:

Net Investment in Capital Assets - Consists of capital assets, net of accumulated depreciation, reduced by any outstanding debt attributable to acquire capital assets.

Restricted Net Position - Consists of net position restricted when there are limitations imposed on their use through external restrictions imposed by creditors, grantors, or laws or regulations of other governments.

Unrestricted Net Position - All other net position that do not meet the definition of "restricted" or "net investment in capital assets."

The Commission applies restricted resources first when an expense is incurred for which both restricted and unrestricted resources are available.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 1 - SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)****Prior Period Comparative Financial Information/Reclassification**

The basic financial statements include certain prior year partial comparative information in total but not at the level of detail required for a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the Commission's financial statements for the year ended December 31, 2018, from which the summarized information was derived. Also, certain amounts presented in the prior year data may have been reclassified in order to be consistent with the current year's presentation.

Unearned Revenue

The Commission recognizes grant revenue as it becomes eligible to receive the grant. If the grant has restrictions that have not been satisfied, the revenue is deferred until the Commission has satisfied them.

In 2017, the Commission was awarded a grant of \$200,000 from the Board of Water and Soil Resources to fund the Fish Lake Internal Phosphorus Loading Control project. As of December 31, 2018, the Commission held \$1,201 of unearned grant revenue.

In 2018, the Commission was awarded a grant of \$134,486 from the Board of Water and Soil Resources to fund the Elm Creek Restoration Phase IV project. As of December 31, 2019 and 2018, the Commission held \$67,243 of unearned grant revenue.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 2 – ASSETS, LIABILITIES AND NET POSITION****Deposits**

In accordance with applicable Minnesota Statutes, the Commission maintains a checking account authorized by the Commission.

The following is considered the most significant risk associated with deposits:

Custodial Credit Risk – In the case of deposits, this is the risk that in the event of a bank failure, the Commission's deposits may be lost.

Minnesota Statutes require that all deposits be protected by federal deposit insurance, corporate surety bond, or collateral. The market value of collateral pledged must equal 110 percent of the deposits not covered by federal deposit insurance or corporate surety bonds. Authorized collateral includes treasury bills, notes, and bonds; issues of U.S. government agencies; general obligations rated "A" or better; revenue obligations rated "AA" or better; irrevocable standard letters of credit issued by the Federal Home Loan Bank; and certificates of deposit. Minnesota Statutes require that securities pledged as collateral be held in safekeeping in a restricted account at the Federal Reserve Bank or in an account at a trust department of a commercial bank or other financial institution that is not owned or controlled by the financial institution furnishing the collateral. The Commission has no additional deposit policies addressing custodial credit risk.

At year-end, the Commission had no funds held in its bank account. All funds were transferred to their MBIA investment account. (see below)

Investments

At December 31, 2019 and 2018, the Commission held \$1,263,864 and \$1,303,039 (approximate cost and fair market value), respectively, in investments with MBIA in Minnesota 4M Holdings.

The 4M fund is an external investment pool not registered with the Securities Exchange Commission (SEC) that follows the same regulatory rules of the SEC under rule 2a7. The 4M Fund is a customized cash management and investment program for Minnesota public funds that is allowable under Minnesota Statutes. The fair value of the position in the pool is the same as the value of the pool shares.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019

NOTE 2 – ASSETS, LIABILITIES AND NET POSITION (CONTINUED)

Investments are subject to various risks, the following of which are considered the most significant:

Custodial Credit Risk – For investments, this is the risk that in the event of a failure of the counterparty to an investment transaction (typically a broker-dealer) the Commission would not be able to recover the value of its investments or collateral securities that are in the possession of an outside party. The Commission does not have a formal investment policy addressing this risk, but typically limits its exposure by purchasing insured or registered investments, or by the control of who holds the securities.

Credit Risk – This is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. Minnesota Statutes limit the Commission's investments to direct obligations or obligations guaranteed by the United States or its agencies; shares of investment companies registered under the Federal Investment Company Act of 1940 that receive the highest credit rating, are rated in one of the two highest rating categories by a statistical rating agency, and all of the investments have a final maturity of 13 months or less; general obligations rated "A" or better; revenue obligations rated "AA" or better; general obligations of the Minnesota Housing Finance Agency rated "A" or better; bankers' acceptances of United States banks eligible for purchase by the Federal Reserve System; commercial paper issued by United States corporations or their Canadian subsidiaries, rated of the highest quality category by at least two nationally recognized rating agencies, and maturing in 270 days or less; Guaranteed Investment Contracts guaranteed by a United States commercial bank, domestic branch of a foreign bank, or a United States insurance company, and with a credit quality in one of the top two highest categories; repurchase or reverse purchase agreements and securities lending agreements with financial institutions qualified as a "depository" by the government entity, with banks that are members of the Federal Reserve System with capitalization exceeding \$10,000,000; that are a primary reporting dealer in U.S. government securities to the Federal Reserve Bank of New York; or certain Minnesota securities broker-dealers. The Commission's investment policies do not further address credit risk.

Concentration Risk – This is the risk associated with investing a significant portion of the Commission's investment (considered 5 percent or more) in the securities of a single issuer, excluding U.S. guaranteed investments (such as treasuries), investment pools, and mutual funds. The Commission does not have an investment policy limiting the concentration of investments.

Interest Rate Risk – This is the risk of potential variability in the fair value of fixed rate investments resulting from changes in interest rates (the longer the period for which an interest rate is fixed, the greater the risk). The Commission does not have an investment policy limiting the duration of investments.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 2 – ASSETS, LIABILITIES AND NET POSITION (CONTINUED)****Guarantee Fee Deposits**

The financial and administrative guarantee fee deposits payable are received as guarantee that the mitigation will perform as required. Upon completion, and if the project meets the qualified plan requirements, these financial guarantees are refunded.

NOTE 3 – FUND BALANCE CLASSIFICATION

The following fund balance classifications describe the relative strength of the spending constraints placed on the purposes for which resources can be used:

- **Nonspendable** – amounts that are not in a spendable form (such as inventory) or are required to be maintained intact;
- **Restricted** - amounts constrained to specific purposes by their providers (such as grantors, bondholders, and higher levels of government), through constitutional provisions, or by enabling legislation;
- **Committed** – amounts constrained to specific purposes by a government itself, using its highest level of decision-making authority; to be reported as committed, amounts cannot be used for any other purpose unless the government takes the same highest level action to remove or change the constraint;
- **Assigned** – amounts a government intends to use for a specific purpose; intent can be expressed by the governing body or by an official or body to which the governing body delegates the authority;
- **Unassigned** – amounts that are available for any purpose; these amounts are reported only in the general fund.

The Commission establishes (and modifies or rescinds) fund balance commitments by passage of an ordinance or resolution. This is typically done through adoption and amendment of the budget. A fund balance commitment is further indicated in the budget document as a designation or commitment of the fund. Assigned fund balance is established by the Commission through adoption or amendment of the budget as intended for specific purpose.

NOTE 4 – COMMITMENTS AND CONTRACTS**Restricted fund balance – capital improvement projects**

For the year 2015, the Commission received \$68,870 from tax levies that is to be used for the Tower Drive improvement project. As of December 31, 2019, the Commission had expended all of the tax levies and the project was substantially complete.

For the year 2017, the Commission received \$80,255 from tax levies that is to be used for the Fox Creek Stream Bank Stabilization Phase Two Project. As of December 31, 2019, the City of Rogers has yet to complete the project. The Commission will hold the remaining funds of \$79,455 (less administrative costs) until completion.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 4 – COMMITMENTS AND CONTRACTS (CONTINUED)****Restricted fund balance – capital improvement projects (continued)**

For the year 2017, the Commission received \$74,951 from tax levies that is to be used for the Rush Creek Main Restoration Project. As of December 31, 2019, the Commission had expended all of the tax levies and the project was substantially complete.

For the year 2017, the Commission received \$74,951 from tax levies that is to be used for the Fish Lake Aluminum Treatment Project. As of December 31, 2019, the Commission had expended all of the tax levies and the project was substantially complete.

For the year 2018, the Commission received \$112,347 from tax levies that is to be used for the Fox Creek Phase Three Stabilization Project. As of December 31, 2019, the City of Rogers has yet to complete the project. The Commission will hold the remaining funds of \$112,222 (less administrative costs) until completion.

For the year 2018, the Commission received \$249,664 from tax levies that is to be used for the Mill Pond Fishery Restoration Project. As of December 31, 2019, the City of Champlin has yet to complete the project. The Commission will hold the remaining funds of \$249,552 (less administrative costs) until completion.

For the year 2018, the Commission received \$74,900 from tax levies that is to be used for the Rain Garden at Independence Avenue Project. As of December 31, 2019, the City of Champlin has yet to complete the project. The Commission will hold the remaining funds of \$74,771 (less administrative costs) until completion.

For the year 2019, the Commission received \$74,594 from tax levies that is to be used for the Rush Creek Main Stem Phase Three Stabilization Project. As of December 31, 2019, the City of Maple Grove has yet to complete the project. The Commission will hold the remaining funds of \$74,479 (less administrative costs) until completion.

For the year 2019, the Commission received \$99,461 from tax levies that is to be used for the Elm Creek Stream Phase Three Restoration Project. As of December 31, 2019, the City of Champlin has yet to complete the project. The Commission will hold the remaining funds of \$99,346 (less administrative costs) until completion.

For the year 2019, the Commission received \$74,594 from tax levies that is to be used for the Downs Road Trail Rain Garden Project. As of December 31, 2019, the City of Champlin has yet to complete the project. The Commission will hold the remaining funds of \$74,479 (less administrative costs) until completion.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 4 – COMMITMENTS AND CONTRACTS (CONTINUED)****Grants****Fish Lake Internal Phosphorus Loading Control Project**

During 2017, the State of Minnesota Board of Water and Soil Resources (BWSR) awarded \$200,000 to the Commission for the Fish Lake Internal Phosphorus Loading Control Project. During 2019, Hennepin County awarded \$20,000 to the Commission for the project.

The Commission serves as the fiscal agent for this project, which is to be funded as follows:

Grants	\$ 220,000
Commission	93,868
City of Maple Grove	41,890
Three Rivers Park District	19,713
Total estimated cost	<u>\$ 375,471</u>

As of December 31, 2019, the project was substantially complete, the Commission had received \$180,000 of the grant money from BWSR, and \$101,603 was receivable from local governments.

Rush Creek Headwaters Subwatersheds Assessment Project

During 2017, BWSR awarded \$50,280 to the Commission for the Rush Creek Headwaters Subwatersheds Assessment Project. The project is expected to cost \$62,850. The Commission is to provide \$12,070 and the City of Corcoran is to provide \$500 of the remaining costs associated with the project.

During 2019, the Commission had expended all of the grant and reimbursement funds, and the project was substantially complete.

Floodplain Modeling Project

During 2018, the Commissioner of Natural Resources awarded the Commission a cost reimbursement grant of up to \$92,773. The grant is for updates to the Special Flood Hazard Areas shown on the FEMA Floodplain maps that are located within the watershed. The total project costs are budgeted for \$92,773 with no match required by the Commission.

During 2019 and 2018, the Commission incurred \$1,973 and \$7,027, respectively, of direct project costs. As of December 31, 2019, \$3,565 was receivable from local governments.

PRELIMINARY

Elm Creek Watershed Management Commission

Notes to Financial Statements (continued)
December 31, 2019**NOTE 4 – COMMITMENTS AND CONTRACTS (CONTINUED)****Grants (continued)****Watershed Based Funding Grant**

During 2018, BWSR awarded \$134,486 to the Commission for streambank and shoreline restoration and protection on Elm Creek. Total project costs are expected to be \$584,486. The Commission is to provide \$150,000 via the 2020 levy and the City of Champlin is to provide \$300,000.

During 2018, the Commission received \$67,243 of the grant and incurred zero costs. There was no activity on this project during 2019.

NOTE 5 – MEMBERS' ASSESSMENTS

Dues received from members were as follows:

	For Year Ended December 31			
	2019		2018	
	Amount	Percentage	Amount	Percentage
Champlin	\$ 9,132	3.96 %	\$ 8,594	3.82 %
Corcoran	15,242	6.62	14,664	6.52
Dayton	12,440	5.40	11,126	4.94
Maple Grove	117,268	50.90	116,690	51.86
Medina	19,258	8.36	18,777	8.35
Plymouth	23,068	10.01	21,898	9.73
Rogers	33,992	14.74	33,251	14.77
Total	<u>\$ 230,400</u>	<u>100.00 %</u>	<u>\$ 225,000</u>	<u>100.00 %</u>

PRELIMINARY

OTHER REQUIRED REPORTS

PRELIMINARY

**INDEPENDENT AUDITORS' REPORT ON INTERNAL CONTROL OVER
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS**

Board of Directors
Elm Creek Watershed Management Commission
Plymouth, MN

We have audited, in accordance with the auditing standards generally accepted in the United States of America, the financial statements of the governmental activities and the major fund of the Elm Creek Watershed Management Commission (the Commission) as of and for the year ended December 31, 2019, and the related notes to the financial statements, which collectively comprise the Commission's basic financial statements, and have issued our report thereon dated _____, 2020.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Commission's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Commission's internal control. Accordingly, we do not express an opinion on the effectiveness of the Commission's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or combination of deficiencies, in internal control such that there is a reasonable possibility that material misstatement of the financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses, as defined above. However, material weaknesses may exist that have not been identified. We did identify the following deficiencies in internal control that we consider to be significant deficiencies:

Because of the limited size of your office staff, your organization has limited segregation of duties. A good system of internal accounting control contemplates an adequate segregation of duties so that no one individual handles a transaction from inception to completion. While we recognize that your organization is not large enough to permit an adequate segregation of duties in all respects, it is important that you be aware of the condition.

PRELIMINARY**Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the Commission's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the result of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. Accordingly, this communication is not suitable for any other purpose.

_____, 2020

PRELIMINARY

**INDEPENDENT AUDITORS' REPORT ON
MINNESOTA LEGAL COMPLIANCE**

Board of Directors
Elm Creek Watershed Management Commission
Plymouth, Minnesota

We have audited, in accordance with auditing standards generally accepted in the United States of America, the financial statements of the governmental activities and major fund of the Elm Creek Watershed Management Commission (the Commission) as of and for the year ended December 31, 2019, and the related notes to the financial statements, which collectively comprise the Commission's basic financial statements, and have issued our report thereon dated _____, 2020.

MINNESOTA LEGAL COMPLIANCE

The *Minnesota Legal Compliance Audit Guide for Other Political Subdivisions*, promulgated by the State Auditor pursuant to Minn. Stat. 6.65, contains six categories of compliance to be tested: contracting and bidding, deposits and investments, conflicts of interest, claims and disbursements, miscellaneous provisions, and tax increment financing. Our audit considered all of the applicable listed categories, except that we did not test for compliance in tax increment financing, because the Commission does not utilize tax increment financing.

In connection with our audit, nothing came to our attention that caused us to believe that the Commission failed to comply with the provisions of the *Minnesota Legal Compliance Audit Guide for Other Political Subdivisions*. However, our audit was not directed primarily toward obtaining knowledge of such noncompliance. Accordingly, had we performed additional procedures, other matters may have come to our attention regarding the Commission's noncompliance with the above referenced provisions.

PURPOSE OF THIS REPORT

This report is intended solely for the information and use of those charged with governance and management of the Elm Creek Watershed Management Commission and the State Auditor and is not intended to be and should not be used by anyone other than these specified parties.

_____, 2020

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3	From line				2018 Budget	2018 Audit	2019 Budget	2019 Preliminary Audit		2020 Budget	2020 activity YTD (thru May Treas Report)	2020 Budget adjustments to general fund	Proposed 2021 Budget	Notes
4														
5	OPERATING BUDGET													
6	GENERAL OPERATING EXPENSES													
7	7	Administrative			90,000	84,728	90,000	95,972		90,000	37,273		95,000	
8	8	Watershed-wide TMDL Admin			2,500		1,500	0		300	0	300	0	will not be spent in 2020
9	9	Grant Writing			4,000		4,000	0		1,000	0	500	650	will not be spent in 2020
10	10	Website			6,000	1,973	5,000	1,073		3,000	526		2,000	
11	11	Legal Services			2,000	271	2,000	1,850		2,000	31		2,000	
12	12	Audit			5,000	4,500	5,000	4,500		5,000			5,000	
13	13	Insurance			3,900	2,993	3,900	2,661		3,900	3,644		3,800	
14	14	Technical support - HCEE - conservation promotion, landowner outreach, and project implementation.								15,000		7,000	12,000	only \$8,000 will be spent in 2020. in 2021 budget, \$12,000 is projected per Karen Galles. Replaces line 57.
15	15	Contingency			1,000		1,000			1,000	0		1,000	
16				Subtotal General Operating Expenses lines 7-15	114,400	94,465	112,400	106,056		121,200	41,474	7,800	121,450	
17														
18	EDUCATION													
19	48	Education												
20	49	Education - City/Citizen Programs			4,000	2,269	4,000	2,493		3,000	375		2,500	In part, supports programs by others - workshops, symposia, etc.
21		West Metro Water Alliance												
22	51	WMWA General Admin			4,000	2,000	5,000	3,000		5,000	3,000		5,000	
23	52	WMWA Implementa Activities incl Watershed PREP			6,500	3,250	6,500	4,000		6,500	2,000		6,500	
24	54	RG Workshop/Intensive BMPs/Special Projects			2,000	2,924	2,000	2,000		3,000	1,625		3,000	
25	55	Education Grants			2,000		1,000	0		1,000			1,000	
26	56	Macroinvertebrate Monitoring-River Watch			3,000	3,000	3,000	3,000		3,000			3,000	three sites monitored by HS volunteers thru Henn County
27	57	Ag Specialist						0						included in line 14
28				Subtotal Education lines 20-27	21,500	13,443	21,500	14,493		21,500	7,000	0	21,000	
29														
30	WATERSHED MANAGEMENT PLAN													
31	64	Plan Amendments			2,000	1,388	2,000	1,396		2,000			2,000	anticipate minimum one minor plan amendment each in 2020 and 2021
32	65	Local Plan Review			8,000			0						not required in 2020 or 2021
33	66	Contribution to 4th Generation Plan											10,000	begin set-aside for 2024 Plan, est. cost = \$45-50,000. Will be new restricted fund.
34				Subtotal Watershed Management Plan lines 31-33	10,000	1,388	2,000	1,396		2,000	0	0	12,000	
35														

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3	From line				2018 Budget	2018 Audit	2019 Budget	2019 Preliminary Audit		2020 Budget	2020 activity YTD (thru May Treas Report)	2020 Budget adjustments to general fund	Proposed 2021 Budget	Notes
36	WATER MONITORING PROGRAMS													
37	Expenses													
38	30			Stream Monitoring										
39	31			Stream Monitoring - USGS	24,900	21,660	41,000	20,840		24,000		1,000	24,000	in 2020 w/b \$20,940 + amy charges for extra samples
40	32			Stream Monitoring - TRPD	7,600	7,600	6,875	6,875		7,200			7,200	per cooperative agreement
41	33			Extensive Stream Monitoring										
42	34			DO Longitudinal Survey	1,000	1,000				1,000			1,000	per cooperative agreement
43	35			Gauging Station - Elec Bill	250	208	250	208		250	114	150	400	due to gauge relocation, beginning in 2020, surcharge is being assessed by City of Dayton
44				Subtotal Stream Monitoring lines 39-43	33,750	30,468	48,125	27,923		32,450	114	850	32,600	
45														
46	37			Lake Monitoring										
47	38			Lake Monitoring - CAMP	720	550	760	0		760			760	Volunteer program through Metropolitan Council. Teal Lake in 2020.
48	39			Lake Monitoring - TRPD										
49	40			Sentinel Lakes	3,300	3,300	8,100	8,100		8,100			8,100	per cooperative agreement
50	41			Additional lake	825		1,500	0		2,500			2,500	per cooperative agreement
51	42			Aquatic Vegetation Surveys	1,100	1,100	325	325		1,100			1,100	per cooperative agreement
52				Subtotal Lake Monitoring lines 47-51	5,945	4,950	10,685	8,425		12,460	0	0	12,460	
53														
54				Other Water Monitoring										
55	36			Rain Gauge Network	100		100	0		100			0	will not be spent in 2020. Network is not active, equipment is in storage
56	43			Source Assessment	0									
57	44			Watershed-wide TMDL-Followup-TRPD	5,000		2,500			1,000		1,000		now part of routine monitoring, will not be spent in 2020
58	45			Wetland Monitoring - WHEP	4,000	4,000	4,000	4,000		4,000			4,000	four sites, adult volunteers through Hennepin County
59				Subtotal Other Monitoring lines55-58	9,100	4,000	6,600	4,000		5,100	0	1,000	4,000	
60				Total Monitoring Expense lines 44,52,59	48,795	39,418	65,410	40,348		50,010	114	1,850	49,060	
61														
62	Floodplain Modeling													
63	19			Barr - Floodplain modeling	46,386		46,386			39,360	34,903	0.0	0.0	total expense allowed per contract w/DNR = \$92,773. Carryover line item. Conract extends thru December 2020.
64				TOTAL GENERAL OPERATING EXP - lines 63,60,34,28,16	241,081	148,714	247,696	162,293		234,070	83,491	9,650	203,510	
65														
66	GENERAL OPERATING REVENUE													
67	95			Membership Dues	225,000	225,000	230,400	230,400		237,300	237,300		237,300	0% increase
68	97			Interest Income	250	18,382	2,500	26,203		8,000	4,924	2,000	15,000	at 12/31/2019, interest rates were 1.38% and 1.46% monthly. (16.56%, 17.52% annually)
69	98			Dividend Income	750	223	500	204		250			250	LMCIT insurance
70	91			TRPD Cooperative Agreement	6,500	5,000	5,000	5,000		5,500			5,500	
71	89			DNR Contract - Floodplain Modeling	46,386		46,386			39,360				total expense allowed per contract w/DNR = \$92,773. Carryover line item, had difficulty securing DUNS # in order to be reimbursed. DUNS # received 5/29/2020. Contract extends thru December 2020.
72	99			Miscellaneous Income										
73				Subtotal General Operating Revenue lines 67-72	278,886	248,605	284,786	261,807		290,410	242,224	2,000	258,050	
74				TOTAL GENERAL ACTIVITIES lines 64,73	37,805	99,891	37,090	99,514		56,340	158,733	11,650	54,540	
75														

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3	From line				2018 Budget	2018 Audit	2019 Budget	2019 Preliminary Audit		2020 Budget	2020 activity YTD (thru May Treas Report)	2020 Budget adjustments to general fund	Proposed 2021 Budget	Notes
76	PROJECT REVIEWS and WCA													
77	Expenses													
78	18		Technical - Barr Engineering/SWS - project reviews		95,000	92,477	97,400	70,473		185,000	17,824		185,000	
79	20		Technical Support - Other		12,000	37,553	15,000	21,236		0	27,783			thru 2019, project review support of Henn County was performed by Barr Engrg
80	22		Admin Support - includes project intake, liaison w/cities. developers, citizens.		14,000	13,543	15,000	8,542		15,000	2,362	3,000	12,000	Based on history, can be adjusted downward in 2020.
81	25		WCA Expense		17,750	15,886	18,200	3,710		3,000		3,000	0	Commission is no longer LGU, any carryover work is included in line 27 above
82	26		WCA Expense - Legal		500	683	500	31		500		500	0	will not be spent in 2020
83	27		WCA Expense - Admin		1,500	3,388	2,000	424		1,000		1,000	0	will not be spent in 2020
84	23		Subtotal Project Review / WCA Expenses lines 78-83		140,750	163,530	148,100	104,416		204,500	47,969	7,500	197,000	
85	Revenue													
86	90		Project Review Fees		80,000	73,305	80,000	45,874		80,000	30,318		100,000	review and adjust fee schedule to capture expense
87	93		WCA Fees and Escrows Earned		10,000	3,450	5,000	14,297		0			0	no longer serving as LGU
88	94		Forfeited/Reimbursed Sureties		0	2,733	4,000	655			1,765			
89			Subtotal Project Review / WCA Revenue line 86-88		90,000	79,488	89,000	60,826		80,000	28,553	0	100,000	
90	TOTAL PROJECT REVIEWS / WCA - lines 84,89				50,750	84,042	59,100	43,590		124,500	19,416	7,500	97,000	
91														
92														
93	RECAP													
94														
95	Line 74	TOTAL GENERAL ACTIVITIES			37,805	99,891	37,090	99,514		56,340	158,733	11,650	54,540	
96	Line 90	TOTAL PROJECT REVIEW & WCA ACTIVITY			50,750	84,042	59,100	43,590		124,500	19,416	7,500	97,000	
97	TOTAL lines 95-96				12,945	15,849	22,010	55,924		68,160	139,317	19,150	42,460	
98														
99														

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3	From line				2018 Budget	2018 Audit	2019 Budget	2019 Preliminary Audit		2020 Budget	2020 activity YTD (thru May Treas Report)	2020 Budget adjustments to general fund	Proposed 2021 Budget	Notes
100				CIPS, GRANTS, SPECIAL PROJECTS, STUDIES. SWAs										
101				CIPs										
102	69			Capital Outlay - CIPs - Ad Valorem	490,000	323,545	462,500	432,547		448,935			185,588	In 2018, in order to minimize the occurrence of insufficient tax settlements from the County, the Commission adopted a policy by which 5% is added to the project cost for administrative and other expenses and an additional 1% to cover levy shortfalls. The base levy amounts payable in 2020 and 2021 are \$423.323 and \$175.000. respectively.
103				Grants										
104	71			Grants		27,631		124,092		125,000			125,000	For budgeting purposes, assume Commission share of \$100,000 grant (line 129) is \$125,000
105	70			Floodplain Modeling - see lines 63 and 71										
106				Special Projects, Studies, SWAs										
107	72-76			Projects ineligible for ad valorem; Studies, Subwatershed Assessments	85,000	3,534	35,000			0	802			On 5/8/2019 the Commission voted to reassign \$50,000 from this fund to the General Fund. Because 0 balance in this account at 12/31/20 w/b approx. \$155,400, no funding is recommended in 2021. Unspent amount in 2019 will be added to assigned fund dedicated for this purpose.
108	77			Cash Sureties									0	
109				Subtotal Expense - CIPs,Grants,Special Projects,Studies,SWAs- lines 102-108	575,000	354,710	497,500	556,639		573,935	802	0	310,588	
110	82			Contingency	0	0	0	0		0			0	
111														
112				Revenue										
113				CIPs - Ad Valorem	490,000	436,393	462,500	458,032		448,935			185,588	See lines 163-182
114				Fish Lake Cooperative Agreement				62,804						
115				Grant Revenue		99,411		45,028		100,000			100,000	assume 25% contribution line 104.
116				Subtotal Revenue - CIPs,Grants,Special Projects,Studies,SWAs- lines 113-115	490,000	535,804	462,500	565,864	0	548,935	0	0	285,588	
117				Total - CIPs,Grants,Special Projects,Studies,SWAs- lines 109,110,116	85,000	181,094	35,000	9,225	0	25,000	802	0	25,000	
118				Surplus (Deficit)- lines 97,117	97,945	196,943	57,010	65,149	0	93,160	138,515	19,150	67,460	
119														

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3	From line				2018 Budget	2018 Audit	2019 Budget	2019 Preliminary Audit		2020 Budget	2020 activity YTD (thru May Treas Report)	2020 Budget adjustments to general fund	Proposed 2021 Budget	Notes
120				BALANCE SHEET										
121		Assets												
122		Cash and investments				1,204,595		1,185,127						Cash in Bank
123		Restricted cash				98,444		78,737						includes Comm invoices outstanding plus Flood Mapping expenses unpaid
124		Accounts Receivable				15,167		114,038	v					See lines 202-207 revenue due to Commission at 12/31/2019
125				Total Assets lines 122-124		1,318,206		1,377,902						
126														
127		Liabilities												
128		Accounts payable				107,830		122,084	v					See lines 191-200 2019 expenses due for payment at 12/31/2019
129		WCA Escrows				30,000		11,494						
130		Deferred (Unearned) Revenue				68,444		67,243	v					See lines 209-210
131				Total Liabilities lines 128-130		206,274		200,821	v					
132														
133		Restricted Funds/Net Position												
134		Restricted for CIPs				732,763		763,789	v					See lines 163-182 - levy funds received, not yet expended, awaiting completion of projects
135		Closed Project Account				1,221		1,342	v					
136				Total Restricted Funds lines 134-135		733,984		765,131						
137														
138		Assigned Funds/Net Position												
139		Assigned for projects, studies				175,297		205,437	v					See lines 186-189 - used for designated purpose only, unused portion carried over from previous years
140		Assigned for other				50,000		0						
141				Total Assigned Funds lines 139-140		225,297		205,437						
142														
143		Unrestricted/unassigned fund balances				152,651		206,513						Funds not designated for any specific purpose
144				Total Unrestricted/unassigned fund bal line 143		152,651		206,513						
145														
146		Total Assigned and Unassigned Funds lines 141,144				377,948		411,950						
147														
148		Total Fund Balance/Net position lines 136,146				1,111,932		1,177,081						
149														
150		Total Liabilities and Fund Balances lines 131,148				1,318,206		1,377,902						
151														
152		Definitions												
153		Nonspendable		– amounts that are not in a spendable form. The Commission does not have any items that fit this category.										
154		Restricted		– amounts constrained to specific purposes by their providers. One example would be ad valorem levy funds received from the County for capital improvement projects. The unused portion of these funds must be set aside in a restricted account for similar projects. Another example would be BWSR Legacy Grant proceeds where the funds are received prior to the onset of a project and where any unused portion must be returned to the grantor.										
155		Committed		– amounts constrained to specific purposes by the Commission itself. An example would be residual funds carried over from one year to the next for Studies, Project Identification and Subwatershed Assessments.										
156		Assigned		– amounts the Commission intends to use for specific purposes. Most line items in the Commission’s Operating Budget fall under this category.										
157		Unassigned		– amounts that are available for any purpose. These amounts are reported only in the general fund.										
158														
159														

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ	BA	BB	BC	BD
3	From line				2018 Budget	2018 Audit	2019 Budget	2019 Preliminary Audit		2020 Budget	2020 activity YTD (thru May Treas Report)	2020 Budget adjustments to general fund	Proposed 2021 Budget	Notes
160														
161					Balance		Receipts			Balance		Closed		
162					12/31/2018	Expenditure	2019	Adjustments		12/31/2019		Project Acct		
163				Restricted for CIPs - lines 134-135										
164				Medina Tower Drive (final 2019)	66,881	66,760		121				121		
165				Champlin Mill Pond Dam (final 2018)								82		
166				Plymouth EC Restoration (final 2017)								1,139		
167				Fox Creek Ph 2 Stabilization	80,149		694			79,455				
168				Rush Creek Main Stem	74,845	74,176	669							
169				Fish Lake Alum Treat Ph 1	74,845	74,196	649							
170				Fox Creek Ph 3 Stabilization	112,211		11			112,222				
171				Mill Pond Fishery Restoration	249,528		24			249,552				
172				Rain Garden at Indep Ave	74,764		7			74,771				
173				Rush Creek Ph 3 Stabilization	115		74,594			74,479				
174				Elm Creek Reach D Restoration (final 2019)	115	211,237	211,352							
175				Elm Creek Ph 3 Restoration	115		99,461			99,346				
176				Downs Road Trail Rain Gardens	115		74,594			74,479				
177				Rush Creek PH 3 Main Stem		103				103				
178				Ranchview Wetland Restore (2022)		103				103				
179				Hickory Dr Stormwater Improve		103				103				
180				Downtown Regnl Stormwater		103				103				
181				EC Restoration PH IV -		103				103				
182				Total Restricted Fund Balance	732,763	426,884	458,031	121		763,789	0	1,342	0	
183														
184					Balance	Budget	Expenditure			Balance				
185					12/31/2018	Assigned	2019	Adjustments		12/31/2019				
186				Assigned Fund Balance - lines 139-140										
187				Capital projects, studies/project ID/SWA	175,297	35,000	4,860			205,437				
188				Projects ineligible for ad valorem	50,000			50,000						
189				Total Assigned Fund Balance	225,297	35,000	4,860	50,000	0	205,437				
190														
191				Accounts Payable - line 128										
192				Connexus	18		Electrical							
193				Barr Engrg	434		Project Reviews							
194				TRPD	15,300		2019 Monitoring							
195				JASS	10,268		Administration							
196				Maple Grove	74,176		CIP							
197				Plymouth	1,780		CIPs							
198				Barr Engrg	3,405		Floodplain Modeling							
199				Hennepin County	15,703		Technical Services							
200					121,084									
201														
202				Accounts Receivable - line 124										
203				Fish Lake Internal Phos. Project	101,603									
204				Floodplain Modeling	3,564									
205				TRPD Cooperative Agreement	5,000									
206				County Levy	3,871									
207					114,038									
208														
209				Deferred (Unearned) Revenue - line 130										
210				unearned revenue from BWSR Watershed-based Funding Grant	67,243									
211														

elm creek

Watershed Management Commission

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Bellwether 4th/5th Additions *Corcoran, Project #2020-011*

Project Overview: This project is part of a larger residential and commercial development that was reviewed and approved as the Encore Development (Project #2018-032). The full development covers 140 acres within the Elm Creek watershed west of County Road 101 (Brockton Lane N.) and south of Stieg Road. The full development will construct 400 new single-family homes and 13 acres of commercial area along County Road 101. Renamed the Bellwether development, the 4th/5th additions would construct 20 lots on 45.5 acres. Plans for the 4th and 5th additions were received on April 24, 2020. Revised documents were received on May 18, 19, 21, and 22 of 2020. This review will limit its discussion to verification that final plans for the 4th/5th additions are consistent with the plans approved in 2018. The review will check consistency of the stormwater management plans that were approved.

Applicant: Pulte Group, Attention: Chad Onsgard, 7500 Flying Cloud Drive, Suite 670, Eden Prairie, MN 55344. Phone: 952-229-0723. Email: chad.onsgard@pultegroup.com

Agent: Sathre-Bergquist, Attention: Eric Johnson. 150 Broadway Ave S, Wayzata, MN 55391. Phone: 952-476-6000. Email: ejohnson@sathre.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval and associated fees received on April 29, 2020
- 2) Bellwether 4th/5th Addition Attachments
 - a. Attachment 1 – Revised XP Model
 - b. Attachment 2 – XP Model with Obstructed Wet7 Outlet
 - c. Attachment 3 – Map 4th Addition Drainage
 - d. Attachment 4 – Appendix E – Outlet Structure Details
 - e. Attachment 6 – Grading Plan
 - f. Attachment 7 – Erosion Control Plan
- 3) May Submittals
 - a. Plans
 - b. Erosion and Sediment Control Plan

- c. SWPPP
- d. Response to City Comments
- e. Survey Plat map

Findings:

General

- 1) A complete application was received on April 29, 2020. The initial 60-day decision period ends on June 28, 2020.
- 2) The wetland boundaries and types were approved and noticed by the ECWMC, per WCA requirements, under project 2017-047W on December 28, 2018. The Commission received updated wetland replacement plans from the LGU. The TEP and City have approved the plans.
- 3) The applicant is requesting the and the Commission has granted the authority to administratively approval of this portion of the development of the previously approved plan (Project #2018-032).

Rule D – Stormwater Management

- 4) Minor modifications to internal routing of stormwater from 2018 plan. Pond 8N discharges directly to Wetland 7 instead of being routed through Ponds 7B and 7A.
- 5) Rate controls continue to meet the Commission requirements. A copy of Table 4.6 from the project stormwater management plan shows the summary of site peak discharge rates for the original plan. Design of the 4th /5th additions result in proposed conditions changes are minor and remain less than existing conditions.

Table 4.6 Summary of Site Peak Discharge Rates (cfs)

	Location	2-Year	10-Year	100-Year
Existing Conditions	West	25.6	47.3	104.4
	North	28.8	63.1	135.8
	East	10.9	17.5	31.2
	South	9.6	22.5	45.7
Proposed Conditions	West	24.8	39.2	73.4
	North	8.8	18.9	37.1
	East	3.1	5.8	11.9
	South	5.0	8.5	16.5
Δ Peak Flows	West	-0.8	-8.1	-31.0
	North	-20.0	-44.2	-98.7
	East	-7.8	-11.7	-19.3
	South	-4.6	-14.0	-29.2

- 6) Abstraction controls in the original plan met the Commission standard. The submission for Bellwether 4th/5th additions did not include a revised stormwater management plan. It is assumed that this portion of the stormwater management plan has not changed.
- 7) Phosphorus and Total Suspended Solid controls in the original plan met the Commission standard. The submission for Bellwether 4th/5th additions did not include a revised

stormwater management plan. It is assumed that this portion of the stormwater management plan has not changed.

Rule E – Erosion and Sediment Control

- 8) The erosion control plan meets the Commission standard.

Rule F – Floodplain Alterations

- 9) The low floor elevations meet the Commission standard.

Rule G – Wetland Alteration

- 10) Wetland alterations were approved with the review of Project #2018-32W. Wetland alternations for the 4th/5th additions appear to be consistent with the original plan.

Decision:

Approval contingent upon:

- 1) Receiving the updated stormwater management plan.

Barr Engineering Co.



Joseph J. Waln
Advisor to the Commission

June 3, 2020

Date

elm creek

Watershed Management Commission

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Wayzata High School **Parking Lot Improvements** **Plymouth, Project #2020-012**

Project Overview: This project is located on the east side of the Wayzata High School just to the north of the entry at Peony Lane. The existing parking lot will be torn out and reconfigured to create an additional 73 parking places and provide a smoother and safer flow of traffic. It will disturb 3.5 acres and create an additional 0.71 acres of impervious area. This site plan triggers the Commission's review requirements for stormwater management (Rule D), erosion and sediment controls (Rule E)

Applicant: Wayzata Public Schools, Attention Jon Deutsch, 17305 19th Ave. N., Plymouth, MN 55447. Phone: 763-754-5150. Email: jon.deutsch@wayzataschools.org

Engineer/Agent: Anderson-Johnson Associates, Inc., Attention David Ray 7575 Golden Valley Road, Suite 200, Minneapolis, MN 55427. Phone: 763-227-6534. Email: dave@ajainc.net.

Exhibits:

- 1) Elm Creek Watershed Management Commission Request for Plan Review and Approval and \$1067.50 in fees received April 29, 2020.
- 2) Wayzata High School 2020 Parking Lot Improvements Site Plans dated April 27, 2020
 - a. Cover Sheet
 - b. Sheet C1.0, Removals Plan
 - c. Sheet C2.0, Site Plan
 - d. Sheet C2.1, Signage and Pavement Marking Plan
 - e. Sheet C2.2, Landscape Plan
 - f. Sheet C3.0 Grading and Drainage Plan
 - g. Sheet C4.0, Utility Plan
 - h. Sheet C4.1, Erosion Prevention and Sediment Control Plan.
 - i. Sheet C4.2, Irrigation Plan
 - j. Sheets C5.0 & C5.1, Details
- 3) Wayzata High School 2014 Site Storm Design with 2020 HS Parking Lot Update, by AJA Associates dated July 6, 2016 and April 14, 2020 (for 2020 update)
- 4) ECWMC Project 2015-013

Findings:**General**

- 1) A complete application was received on April 27, 2020. The initial 60-day decision period per MN Statute 15.99 expires June 26, 2020.
- 2) This site has flows into an existing stormwater pond (labeled NP1) on the school property north of the High School. The stormwater pond outlets to the north flowing approximately 350 feet before entering Elm Creek near Peony Lane.
 - a. Existing Flows proposed in 2015: The H.S. stormwater pond was designed in 2015 to accommodate 34.0 acres of drainage with up to 59% impervious areas.
 - b. 2020 Proposed Flows: Actual drainage area with this project will be 34.2 acres with 59% impervious area. (20.8 acres)
 - c. Impervious fraction remains the same for 2020 because of updated, actual land use coverage.

Stormwater Management (Rule D)**General**

- 1) To manage stormwater on this site, the applicant proposes to:
 - a. Utilize the capacity of the existing stormwater treatment pond to control flow rates and nutrient loads.
 - b. Expand the existing irrigation coverage from the stormwater treatment pond to account for abstraction for the increase in impervious area from this expansion.

Rate Controls meet the Commission standards

- 1) Peak flows will be controlled from this site by utilizing the existing stormwater pond NP1 capacity. The original design approved by the Commission in 2015 provided flow controls for a 34.2-acre watershed with 20.1 acres of impervious area. With the east parking lot expansion, the watershed area will remain the same, but the impervious areas will increase to 20.8 acres. Pre and post development flow rates will be as follows:

Rate Control Summary Pond NP-1

	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-2015 Project Development (33.0-acres)	11.68	32.2	92.1
Post 2020 Project Development (34.2 Acres)	5.9	12.0	33.1

Abstraction Controls meet the Commission standards

- 1) Abstraction controls will be accomplished by an existing on-site irrigation system that obtains its water from two ponds on the H.S. property. The additional 0.741-acres of new impervious areas will require 0.56 acres of additional irrigation areas to account for the 2,960 cubic feet added abstraction requirement. The school will increase their irrigation coverage from 8.0 acres to 8.56 acres
 - a. Abstraction required from parking improvements= 2,960 cubic feet
 - b. Added irrigation volume for abstraction provided = 2,960 cubic feet.
 - c. Added irrigation distribution areas to account for abstraction volume= 0.56 acres.

Water Quality Controls meet the Commission standard

- 1) The irrigation expansion area of 0.56 acres along with the existing pond configuration will control post development TP and TSS to remain essentially the same as pre-development. Prior to the 2015 improvements pond expansion the reductions are 11.3 lbs/year for TP and 2,044 lbs/year TSS.

Stormwater Summary

CONDITION	TP LOAD (LBS/YR)	TSS LOAD (LBS/YR)	ABSTRACTION (CU. FT.) (IRRIGATION)	ANNUAL VOLUME (AC. FT.)
Pre-development (pre-2015 baseline)	23.5	2,591		43.7
Post-development (2015 improvements)	12.1	547	14,470	36.8
Post-development (2020 improvements)	12.2	532	17,430	36.9
Net Change	-11.3	-2059	+2,960-as required	-6.8*

* Estimates Based on MPCA MIDS Model by ECWMC

Erosion and Sediment Controls (Rule E) Erosion Control Plans meet the Commission standards.

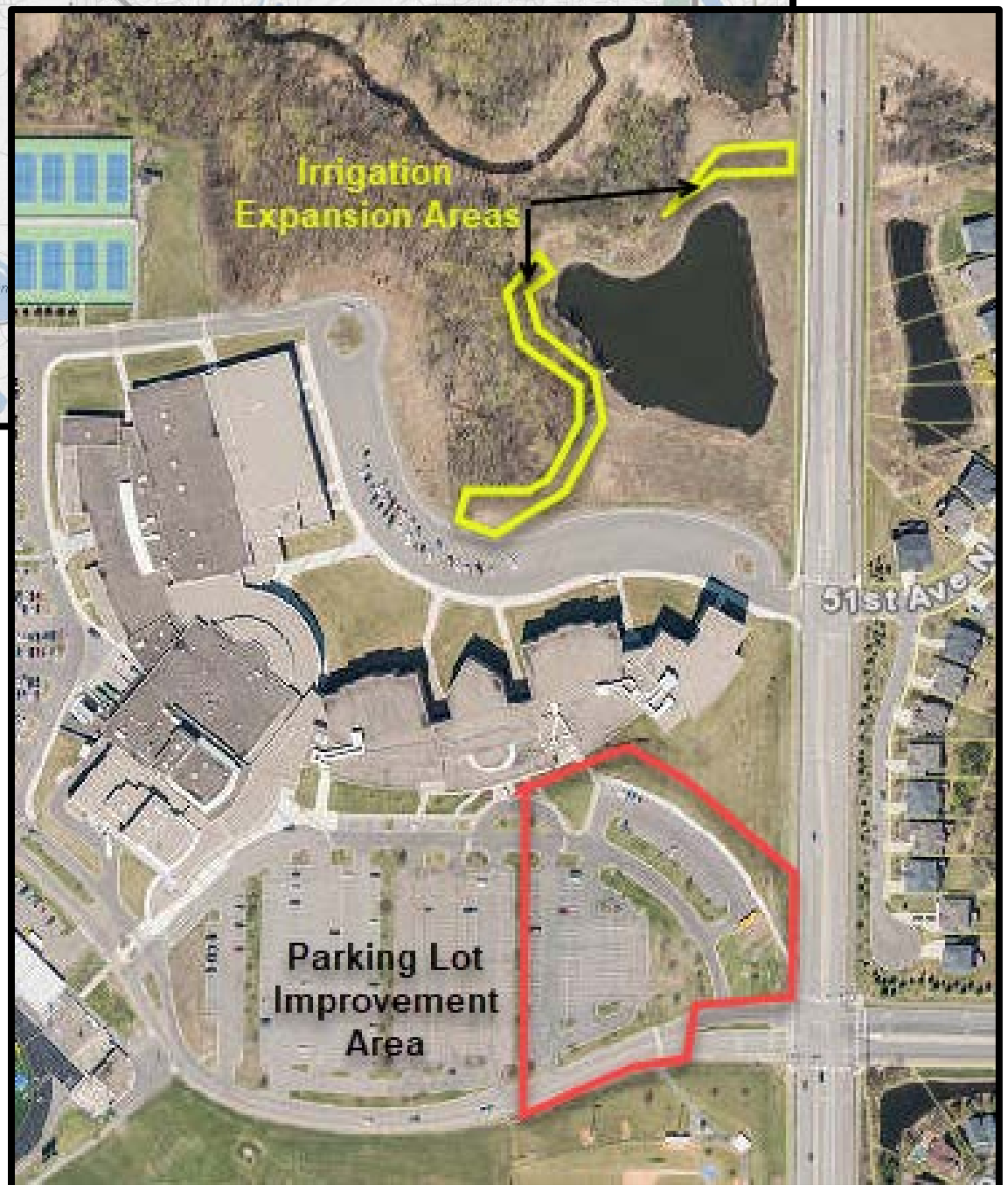
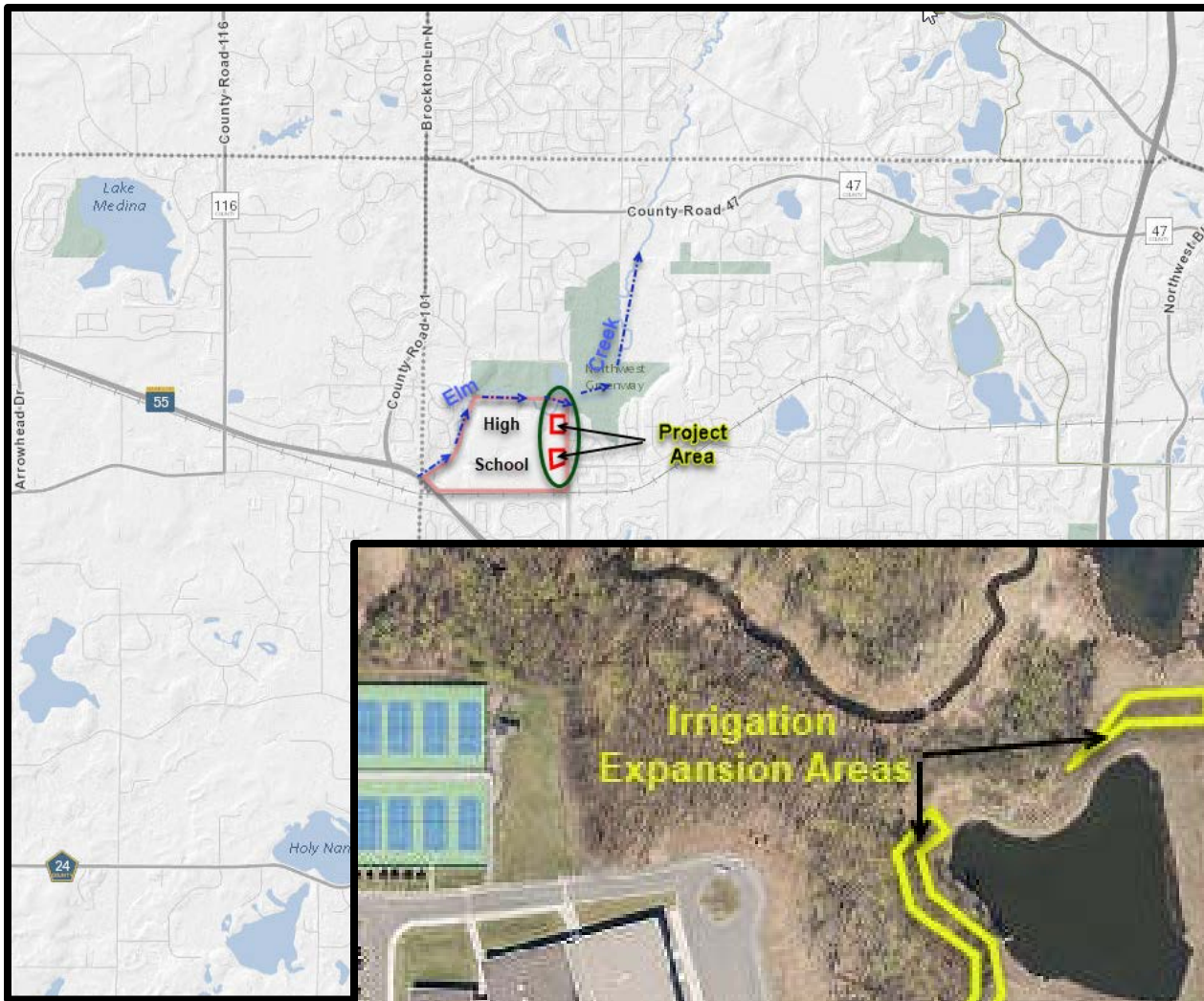
Recommendation: Approval.

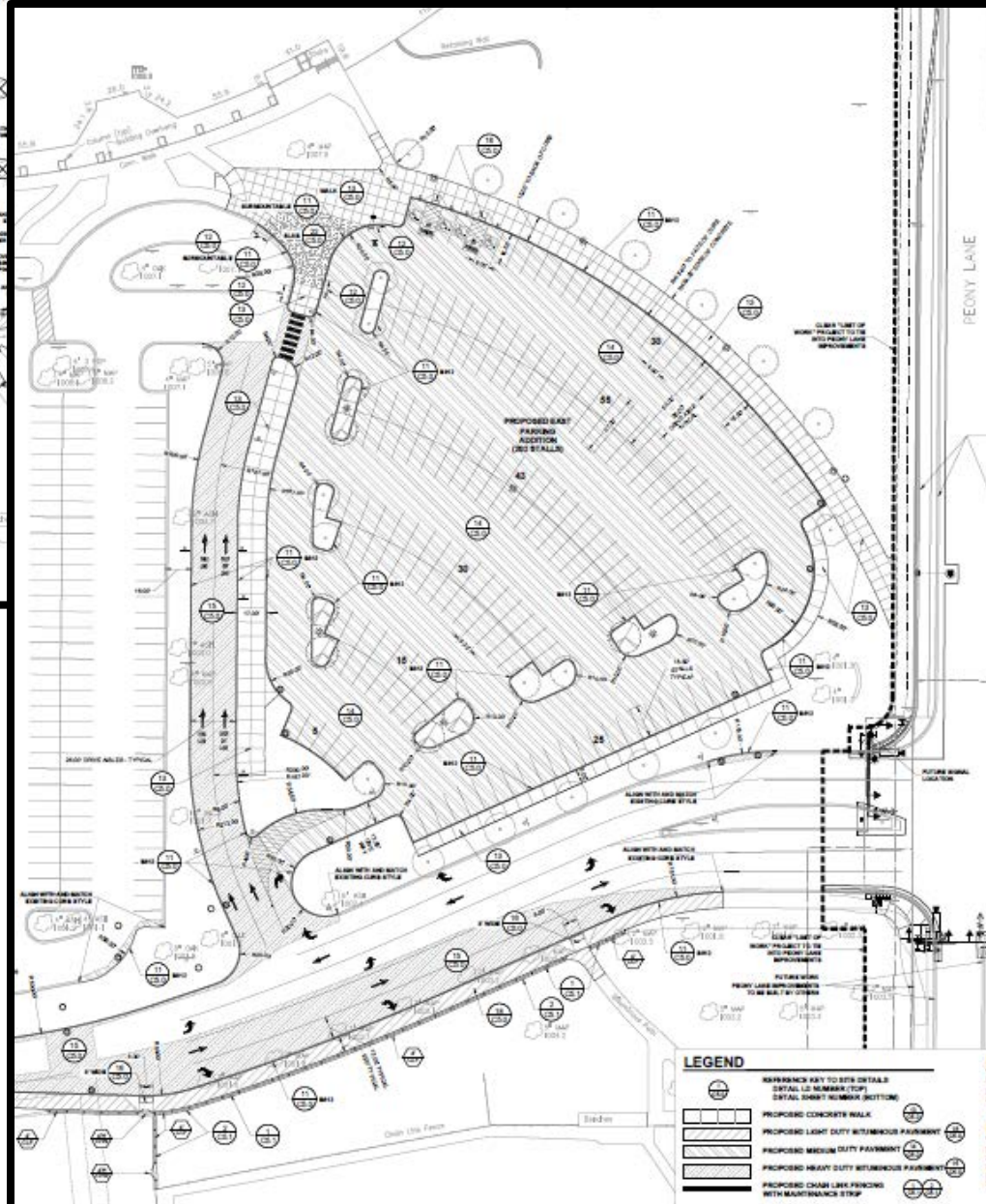
On Behalf of Barr Engineering
Advisor to the Commission



James C. Kujawa
Surface Water Solutions LLC

May 11, 2020
Date





elm creek

Watershed Management Commission

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Territorial Greens East **Maple Grove, Project #2020-014**

Project Overview: This is a 13.2-acre site located at the southerly terminus of Territorial Road. Highways 81 and 610 are south of it and the Elm Creek Park Reserve borders it to the north and east. Seventy-three (73) single family townhomes creating 5.6 acres of new impervious areas are proposed on this site. This review will be for compliance to the Commissions 3rd Generation Stormwater Management Plan, Appendix O, Rule D (Stormwater Management) and Rule E (Erosion and Sediment Controls).

Applicant: M/I Homes of Minneapolis/St. Paul. Attention Jason Biederwolf. 5354d Parkdale Drive, Suite 100, St. Louis Park, MN 55416. Phone: 763-586-7283. Email: biederwolf@mihomes.com.

Agent: Carlson McCain, Attention Justin Olson, 3890 Pheasant Ridge Drive NE, Suite 100, Blaine, MN 55449. Phone: 763-489-7942. Email: jolson@carlsonmccain.com.

Exhibits:

- 1) A complete ECWMC application received May 11, 2020.
 - a. ECWMC Request for Review and Approval dated May 1, 2020.
 - b. City of Maple Grove authorization for review, dated May 11, 2020
 - c. Project review fee, \$1,450 for 13.2 acres, residential site development project received May 8, 2020
 - d. Site plan design submittal via email on January 23, 2020.
- 2) Territorial Greens East Site Plans (11x17 & 22x34) by Carlson McCain dated March 27, 2020 with last revision date of May 1, 2020 for sheets 6 to 9 and L1 to L3.
 - a. Sheet 1 of 9, Cover
 - b. Sheet 2 of 9, Existing Conditions
 - c. Sheets 3-4 of 9, Preliminary Plat
 - d. Sheet 5 of 9, Removals Plan
 - e. Sheets 6 of 9, Preliminary Site & Utility Plan
 - f. Sheet 7 of 9, Preliminary Grading & Erosion Control Plan
 - g. sheets 8 & 9 of 9, Details
 - h. Sheets L1 to L3 of 3, Landscape Plans
- 3) Stormwater Management Plan for Territorial Green East by Carlson McCain dated March 27, 2020. Including soil borings by Haugo GeoTechnical Services, HydroCAD Model, MNPCA MIDS model and Impervious Areas Exhibit (1 of 1 sheet)
- 4) Correspondence to the City from Carlson McCain, regarding MnDOT, Landscaping, Traffic, Water Resources and Development Stage Plan questions.

Findings.

- 1) A complete application was received May 11, 2020. The initial decision period deadline per MN Statute 15.99 is July 10, 2020.
- 2) This site drains to the east approximately 1,200 feet before entering Elm Creek just north of Highways 81 and 610. Approximately 24 acres off-site from the north and west drain through this property.
- 3) Proposed drainage remains essentially the same.
- 4) There are no floodplains, or stream crossing within this site area.
- 5) Proposed home low floor elevations are 2.0' or more above storm pond HWL and 1.0' or more above emergency overflow elevations.
- 6) One small wetland basin, 826 sq. ft. in size, will be filled as part of this project.
 - a. The City of Maple Grove is the LGU in charge of administering the wetland requirements on this project. A wetland replacement plan has not been received by the ECWMC to date.
 - b. If the one wetland basin can be filled, no wetland buffers will be required per the Commissions wetland and buffer strip rules.

Stormwater Management (Rule D)

- 7) One wet detention pond and one filtration pond are proposed for stormwater management on this site.
 - a. A splitter structure will route low flows from the wet detention pond into the filter basin treating the abstraction volumes for this site. Higher flows (>1.1" storm in 24 hours) will bypass the filter basin.

Abstraction controls

- 8) New impervious areas will be 5.6 acres requiring 22,360 cubic feet (0.52-acre feet) of abstraction.
- 9) The filtration basin will have the capacity for 24,830 cubic feet (0.57-acre feet) of drawdown volume. This will meet the Commission standard if infiltration is not practical (>0.2"/hour) per item 10b below.
 - a. 24,830 cubic feet filtration volume is based on storage between the top of the sand filter (893.5) to the overflow weir in the splitter structure (894.7)
 - b. Actual drawdown for 24,830 cubic feet stored in the basin will be 12.5 hours.
- 10) Filtration in lieu of infiltration is proposed on-site for abstraction.
 - a. Soil borings show high clay content in the vicinity of the wet detention pond.
 - b. Soil borings show a silty sand (SM unified soil classification) in the vicinity of the filtration basin, possibly suitable for infiltration.
 - i. A feasibility determination for the existing soils infiltration capabilities must be done by a geotechnical/soils engineer based on a measured infiltration rate determined by a double-ring infiltrometer test (or approved equal) at the bottom elevation (891.0) of this filter basin.
 - c. If soil infiltration rates are above 0.2 inches per hour, the filtration basin must be redesigned as an infiltration basin.

- 11) Filter/infiltration basin pre-treatment of sediment in the stormwater is accomplished by routing all the street and impervious surface water into the wet-detention pond and vegetated swales prior to it flowing into the basin.

Water Quality Controls will meet the Commission standard

- a. Pre vs Post development TSS and TP loads were modeled using the MPCA MIDS program. Results are as follows.

Stormwater Summary

CONDITION (39.8 AC.)	TP LOAD (LBS/YR)	TSS LOAD (LBS/YR)	FILTRATION (CU. FT.) (5.6 ACRES NEW IMPERVIOUS)	ANNUAL VOLUME (AC. FT.)
Pre-development (baseline)	7.6	837	N/A	15.54
Post-development without BMPs	10.8	3555	22,360	23.98
Post-development with BMPs	5.2	379	24,830	N/A
Net Change	-2.4	-458	-2,470	+8.44

Rate Controls will meet the Commission standard.

- b. Summary information below will be the total peak flows from this site before and after development.

Rate Control Summary

(39.8 Acres)	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-Development Rates	9.5	21.6	47.2
Post-Development Rates	3.4	10.0	19.4

Grading, erosion and sediment control plans (Rule E)

- 12) Site plans do not include a stormwater pollution prevention plan or acceptable erosion control plan. Beside meeting the SWPPP and erosion control requirements of the MPCA and ECWMC, the following erosion control items are necessary as part of said plans.
- Specific sequencing of erosion control construction work for temporary sediment ponding is needed.
 - Diversion of the construction site water (to the greatest extent possible) into the temporary sediment pond said pond during construction activity must be shown or noted on the plan.
 - A specific filtration/infiltration basin sequencing plan for construction and erosion controls is required.

Recommendation to the Elm Creek Commissioners.
None currently.

- Feasibility of the existing soils infiltration capabilities must be provided per item 10b in the findings. If soil infiltration rates are above 0.2 inches per hour, the filtration basin must be redesigned as an infiltration basin.
- Erosion and sediment control plans do not meet the Commission's requirements.
- MN WCA and Maple Grove Wetland permits are required.

On Behalf of Barr Engineering
Advisor to the Commission



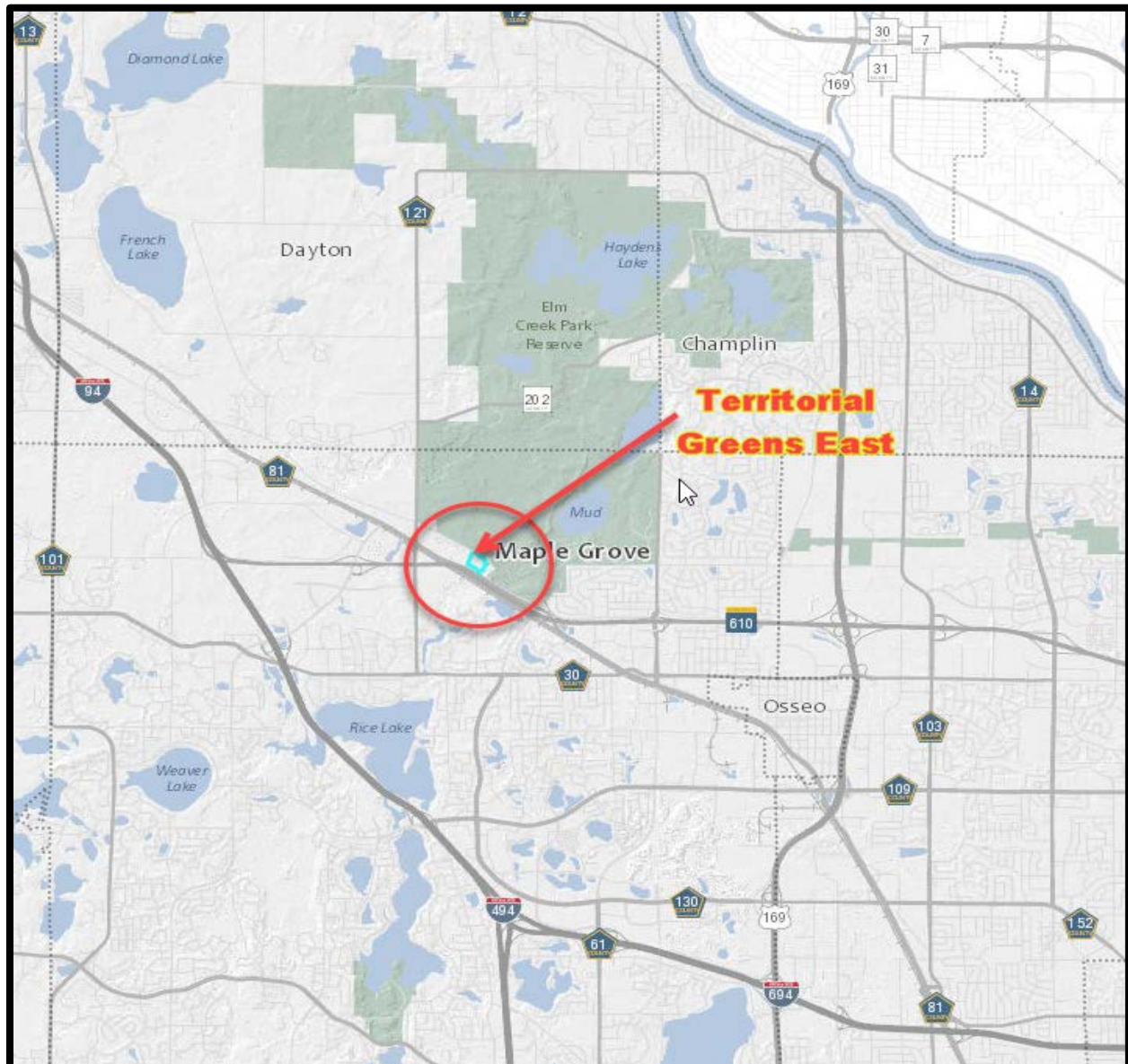
Surface Water Solutions LLC

May 19, 2020

Date

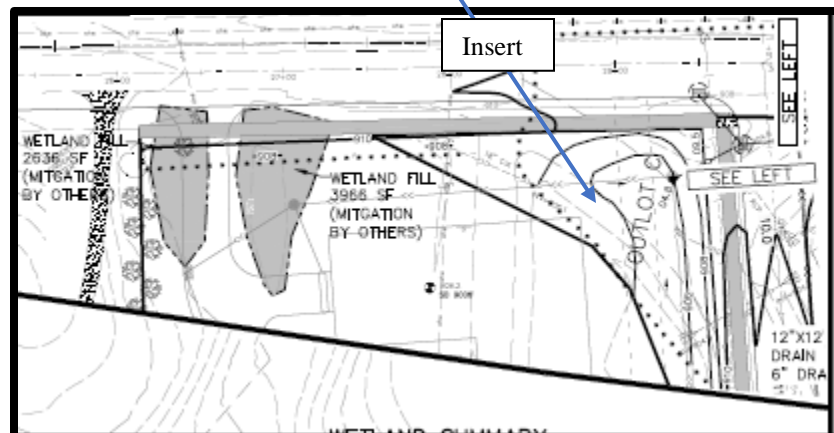
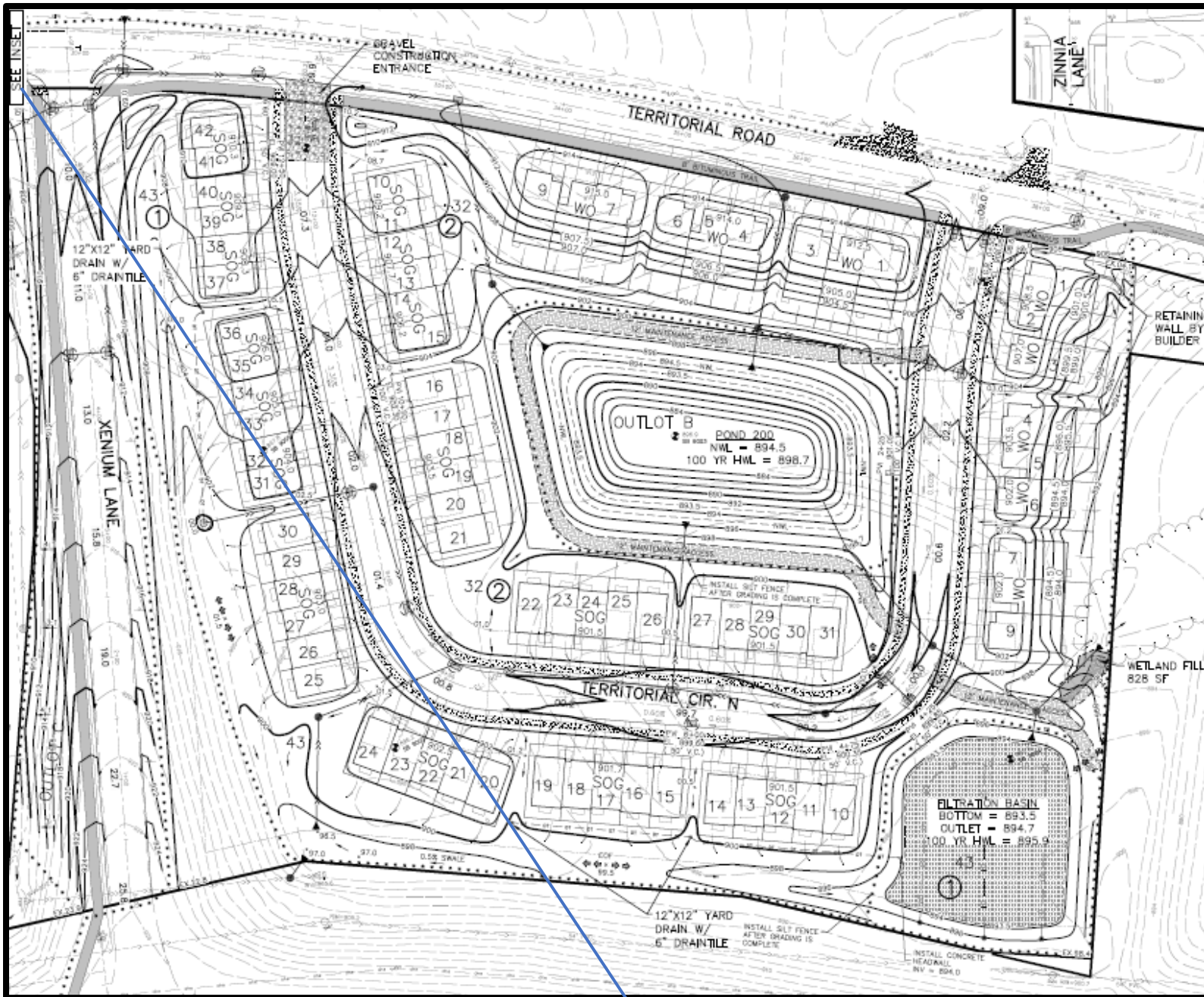
Location Map

Location Map





Grading & Drainage Plan



elm creek

Watershed Management Commission

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Dayton Interchange Business Center

Dayton, Project #2020-015

Project Overview: Scannell Properties is proposing to develop a 12 acres parcel of agricultural land into a 124,000 sq. ft. office/warehouse building with its related infrastructure, creating 6.2 acres of new impervious areas. This site is located west of CR 81 and north of Territorial Road near Holly Lane. This site plan triggers our review of the site plans for conformance to our stormwater management (Rule D), wetland alteration (Rule G) buffer strips (Rule I) and erosion and sediment control (Rule E) rules per our 3rd Generation Stormwater Management Plan Appendix O. .

Applicant: Scannell Properties, LLC, Attention Dan Salzer, 8801 River Crossing Blvd., Suite 300, Indianapolis, IN 46240. Phone: 763-331-8854. Email: dans@scannellproperties.com.

Agent: Sambatek, Attention Pete Moreau, 12800 Whitewater Drive, Suite 300, Minnetonka, MN 55343. Phone: 763-398-0858. Email: pmoreau@sambatek.com

Exhibits:

- 1) A complete ECWMC application received May 15, 2020.
 - a. ECWMC Request for Review and Approval dated May 1, 2020.
 - b. City of Dayton authorization dated May 4, 2020
 - c. Project review fee, \$3050 for 11.9 acres of site work on a commercial/industrial project received May 15, 2020
 - d. Site plan design submittal via email on May 1, 2020.
- 2) Preliminary Site Development Plans for Dayton Interchange Business Center dated May 1, 2020.
 - a. Sheet C1.00, Title
 - b. Sheet C2.00, Demolition Plan
 - c. Sheet C3.00, Site Plan
 - d. Sheets C4.00 & 4.01, Grading Plan and Notes
 - e. Sheets C5.00, 5.01 & 5.02, Erosion Control Plans and Details
 - f. Sheet C6.00, Utility Plans
 - g. Sheets C9.00, 9.01 & 9.02, Details
 - h. Sheets L1.00, L1.01, L1.02 & L1.03, Tree Preservation Plan, Tree and Shrub Planting Plans, Landscaping Details and Notes
 - i. Preliminary Plat dated April 28, 2020.
 - j. Alta/NSPS Land Title Survey dated April 28, 2020.
 - k. Sheet A1.0, Floor Plan dated April 30, 2020.
 - l. Sheet A2.0, Elevations Plan dated April 30, 2020

- 3) Preliminary Stormwater Management Plan for Dayton Interchange Business Center by Sambatek dated May 1, 2020. Including pre & post development drainage maps, HydroCAD calculation, MIDS calculations, storm sewer conveyance spreadsheet and Preliminary geotechnical report

Findings.

- 1) A complete application was received May 15, 2020. The initial decision period deadline per MN Statute 15.99 is July 14, 2020.
- 2) This review will be for.
 - a. Rule D, Stormwater Management
 - b. Rule E, Erosion and Sediment Control
 - c. Rule G, Wetland Alteration.
 - d. Rule I, Buffer Strips
- 3) Dayton is the LGU in charge of administering the MN Wetland Conservation Act within their jurisdiction. ECWMC Rule G will be administered by Dayton for the wetland impacts and subsequent replacement on this project. The ECWMC is noticed and can comment throughout this public review process.

Stormwater Management- (Rule D)

- 4) Existing and proposed drainage patterns remain essentially the same. The site generally drains from the west to the east into the existing wetlands in the SE portion of the property. From there it enters the ditch along the railroad before making its way south and east through a series of wetlands and floodplains for approximately ½ mile before entering Rush Creek at the Dayton/Maple Grove border.
- 5) For stormwater management, two filtration basins with underdrains and one wet-detention pond are proposed.
- 6) Soil boring show high clay content materials (CL unified soil classification) with extremely low infiltration capabilities. Based on ECWMC rules, filtration in lieu of infiltration is an acceptable alternative for this site.
- 7) Stormwater facilities on site appear to be private and if so, would require an operation and maintenance agreement between the City and landowner. Said agreement must be recorded on the land title within 90 days of final plat approvals. A copy of the recorded document must be provided to the Commission.
- 8) Detention pond 1 maintenance access areas must be provided on the site plan.
- 9) Biofiltration basin HydroCAD modeling information does not represent the intended outlet control structures adequately. Modifications to the design and plan set are necessary to accurately provide pre- and post-development flow rates, abstraction volumes and water quality controls.

Peak Runoff Rate Flow Analysis (13.0-acre local on-site system).

- 10) Pre and post development conditions do not meet the Commission's rate control requirements currently (see item #9 above). HydroCAD model revisions are necessary to accurately represent post-development flow rates from this site.

Runoff Rate Summary

		2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Rush Creek Watershed	Pre-Development Rate. (13.0 acres)			
	Post-Development Rates (13.0 acres)			

Abstraction Analysis (13.0-acre local on-site system).

- 11) Because infiltration is infeasible due to high clay content soils, two filtration basins with underdrains are proposed to meet the Commission's abstraction requirements.
- 12) Abstraction required from 6.23 acres of new impervious area is 24,865 cubic feet.
- 13) Biofiltration basin details and design do not meet the Commission's standards. Based on the site plan, water will discharge through a drain-tile at the bottom of the sand filter. Once water reached the top of the sand filter it begins to discharge from the primary pipe connected into the outlet control structure.
 - a. Plans do not account for:
 - o Grade on the drain tile. MPCA recommends 0.5% minimum slope
 - o Drain tile inlets to OCS are not shown
 - o $\pm 35\%$ pore space in filter materials (approximately 16,000 c.f. storage measured)
 - o Specific sizes, depths, and materials for the soils/stone/rock media in the biofiltration basins.
 - o Drawdown time of the filter media.
 - o Outlet control structure details do not match HydroCAD design.
 - o Volume storage for abstraction is not accurately calculated.
- 14) Skimming of floatable materials occurs at the wet detention pond before water leaves this site.
- 15) Pre-treatment of coarse sediments from the driveway/parking areas is provided by RainGuardian structures at the curb cut inlets to each filter basin.
 - a. Standard detail and locations of RainGuardian structures are necessary.
 - b. Sump catch-basin manholes are recommended at CBMH 702, 101 and 202

Water Quality Analysis (11.9-acre local on-site system)

- 16) Phosphorus and suspended sediment loads were analyzed using the MPCA MIDS calculator.
- 17) Stormwater management and site plan information is not adequate for the MIDS analysis (see item #9 above). Once biofiltration design and details are adequate, pre-, and post-development conditions can be modeled.

Water Quality Summary

Condition (based on 12 acres)	TP Load (lbs/yr)	TSS Load (lbs/yr)	Filtration (cu. ft.)	Annual Volume (ac. ft.)
Pre-development (baseline)				
Post-development without BMPs				
Post-development with BMPs				
Net Change				

Wetlands/Buffers (Rules G & I)

- 18) Wetland 1 will have 6,250 sq. ft. permanent impacts from site work. The City of Dayton is the LGU in charge of administering the MN WCA for this site. No notice of application or decision has been received as of this review.
- 19) Wetland buffers must average 25 feet wide and be at least 10' wide at the narrowest point except where grading occurs within the buffer. Buffer areas disturbed by grading operations must be finish graded to a slope of 6:1 or flatter or an increase in width of five (5) feet for each one (1) foot decrease in horizontal width.
- a. Specific buffer locations and monumentation must be shown on the site plan.
 - o Minimum and average buffers are indicated on the site plans, but the actual buffer locations are not shown. Plans show site grading encroaching with 3:1 slopes adjacent to the west side of wetland 1. A 3:1 slope in a buffer area must provide for a 40' buffer width, unless accounted for elsewhere on wetland 1.

Grading, Erosion and Sediment Control Plans (Rule E)

- 20) Redundant sediment control at the limits for grading along wetland 1 is required...

Recommendation. None Currently

Technical Advisor



James C. Kujawa
Surface Water Solutions LLC

May 21, 2020
Date

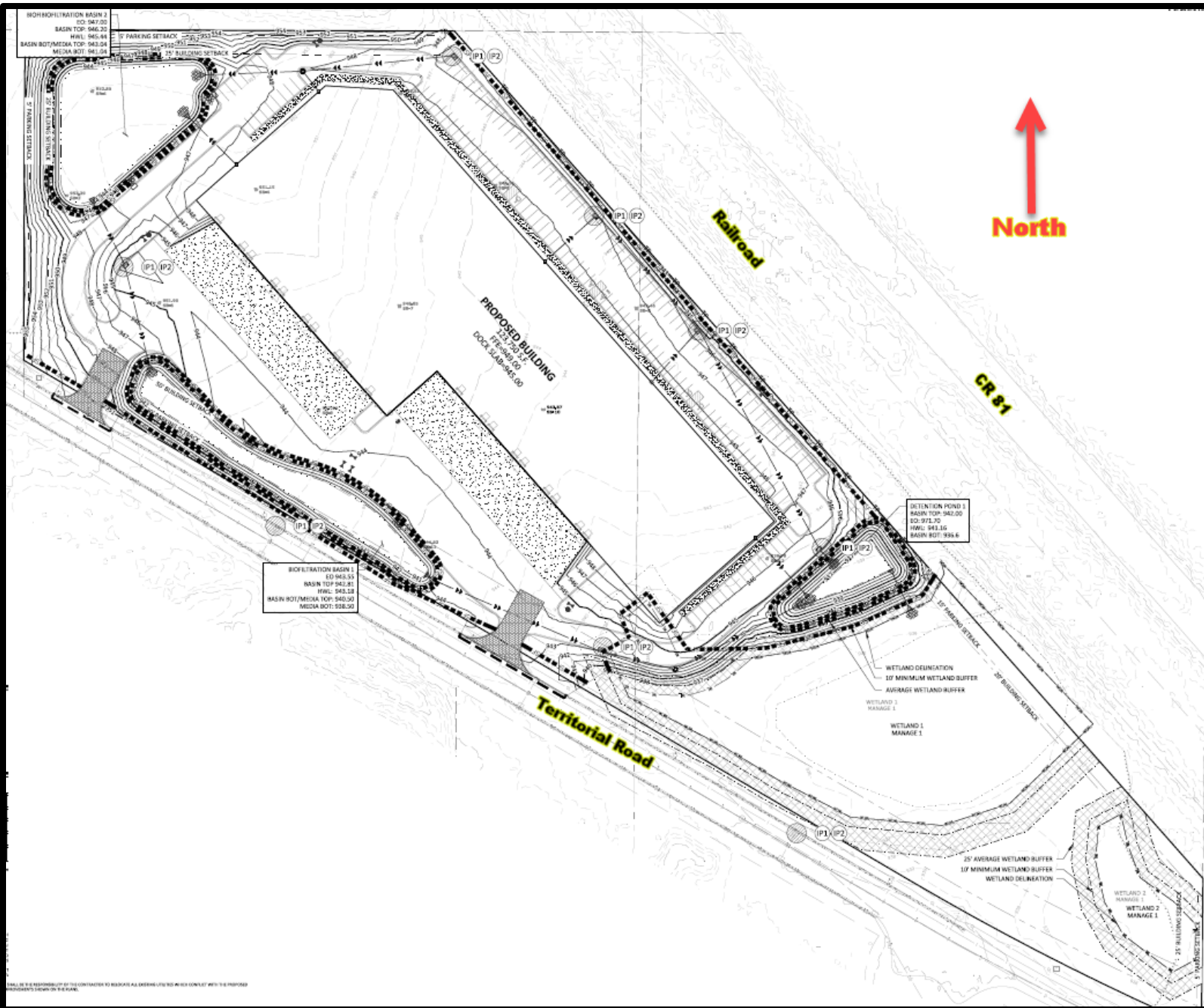
Location Map



2018 Aerial Photograph



Grading



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

Skye Meadows Rogers, Project #2020-016

Project Overview: Lennar Corporation is proposing to construct a residential development on 130 acres along Territorial Road. Currently, this site consists of 6 separate parcels located both north and south of Territorial Road (CR116) just to the west of Tilton Trail. There are 363 single family residential units proposed creating 38.73 acres of new impervious areas in seven phases. The Commission's review will be for conformance to our 3rd Generation Stormwater Management Plan Appendix 0. This review will cover stormwater management (Rule D), floodplain alterations (Rule F) wetland alterations and buffer strips (Rules G & I) for all seven phases. It will review compliance for erosion and sediment controls (Rule E) for Phase 1 and 2 (initial grading proposed). Future site development must be reviewed for compliance to the approvals on this project plus future erosion and sediment controls.

Applicant & Agent: Lennar Homes, Attention Paul Tabone, 16305 36th Ave. N. Suite 600, Plymouth, MN 55443. Phone: 952-249-3075. Email: paul.tabone@lennar.com

Agent/Engineer: ISG, Attention Jerremy Foss, 7900 International Drive, Suite 550, Minneapolis, MN 55425. Phone: 952-426-0699. Email: Jerremy.foss@ISGInc.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval dated April 13, 2020, received May 12, 2020.
- 2) Project review fees, \$9,130.00 received May 14, 2020.
- 3) Lennar Homes Skye Meadows Development Preliminary Site Plans by ISG dated Plat. No signature or date. Original Issue Date March 27, 2020.
 - a. Sheet 1 of 56 Title Sheet
 - b. Sheet 2 of 56, Phasing Plan
 - c. Sheet 3 of 56, Typical Street Section
 - d. Sheet 4-8 of 56, Site Details
 - e. Sheets 9-15 of 56, Stormwater Pollution Prevention Plan, Notes and Details
 - f. Sheets 16-20 of 56, Existing & Removals Plan
 - g. Sheets 21-25 of 56, Preliminary Plat
 - h. Sheet 26 of 56, Overall PUD Master Site Plan
 - i. Sheets 27-30 of 56, Site Plan
 - j. Sheets 31-39 of 56 Utility Plans

- k. Sheets 40-44 of 56, Grading Plan
 - l. Sheets 45-49 of 56, Wetland Buffer & Impact Plan
 - m. Sheets 50-54 of 56, Landscaping Plan
 - n. Sheet 55 of 56, Entry Monument Enlargement
 - o. Sheet 56 of 56, Tree Preservation Plan.
- 4) Lennar Territorial Road Development Stormwater Management Report by ISG dated April 22, 2020. Including HydroCAD report (print date April 23, 2020) with existing and proposed drainage maps, Geotechnical Evaluation Report by Braun Intertec dated December 17, 2019, pipe, and culvert sizing calculations, SWPPP stormwater details & utility sheets, and MIDS Calculations.
- 5) ECWMC Project 2020-005, Territorial Road EAW review file.

Findings:

General

- 1) A complete application was received on May 14, 2020. The initial 60-day decision period per MN Statute 15.99 expires July 13, 2020.
- 2) Drainage on this site has flows into two separate watersheds.
 - a. Existing Flows: The south 44 acres flows to the south into a series of large wetland/floodplain/ditched areas before entering the North Fork of Rush Creek just north of the CR 117 and 116 intersection in Rogers. The northerly 76 acres flows north, eventually making its way into Fox Creek approximately $\frac{3}{4}$ of a mile north of this site. Fox Creek flows for about 2 miles before entering the Crow River just north of CR 44 near the railroad track west of I94.
 - b. Proposed Flows: The project will route 58 acres south into the Rush Creek Basin and 63 acres north into the Crow River Basin.
- 3) Existing soils are Nessel/Cordova/Angus/Lester loams. Geotechnical soil borings and analysis show high clay contents, unsuitable for infiltration.
- 4) The City of Rogers assumes responsibility for the long-term operation and maintenance of the stormwater basins on residential sites where water reuse (irrigation) is not utilized as a stormwater component. Water reuse is not proposed in the stormwater management plan so no other O & M agreements are required.

Stormwater Management (Rule D)

General

- 1) To manage stormwater for all seven phases (120 acres) the applicant proposes to construct 9 wet detention ponds and 6 biofiltration basins.
- 2) For clarity, specific details for outlet control structures, biofiltration basins and wet-detention ponds are necessary.
- 3) All or portions of offsite areas DA 5, 20, 21 and 23 will drain into this site.
 - a. We would recommend Rogers use,
 - i. Future land-use for these areas to determine their rate-flows for regional ponds in Sky Meadows and
 - ii. Abstraction and water quality for the future development of these off-site areas be the responsibility of the future developer.

- 4) NWL and HWL for wetlands 7 and 8 will need to be modeled/identified.
 - a. FES 9A and 9B appear to be too low (934 vs ground elev. at ~ 938)
- 5) Pond A/Basin A. Pond A is the primary wet-detention pond with an outlet control elevation at 938.25.
 - a. An overflow pipe leading into Basin A is set at 938.5. The interaction between the pond and basin and connections and outlet pipes does not appear to be modeled correctly in HydroCAD.
 - b. Basin A appears to be a surge basin/dry pond.
- 6) Basin B has an inflow pipe from the south with an elevation of 941.0 with an outlet in the NE corner at 939.31
 - a. Modeling and site plans are unclear how the basin drains into the outlet control structure at wet detention pond B.
 - b. Basin B has a 946.0 contour in the NW corner that is not accurate ((does not close on itself or match existing ground)
- 7) Basin D subdrains are not shown on utility plans
- 8) Pond K1 will outlet via custom weir at 941.5. This water will bypass basin K2 until it gets to the secondary outlet elevation of 942.0, thus, not treating the first flush of surface water from the watershed.
- 9) The west sections of Basins L and M will contain wet vegetation with no open water. Aesthetically this may not be desired by the homeowners in these areas.
- 10) Post-development HydroCAD design does not seem to match site plan elevations at various locations and does not route water into the filter basins adequately. Examples:
 - a. Ponds H & I elevations appear to be controlled by a custom weir wall in their outlet control structures at elevation 946.3. They also overflow into Basin J at 946.8 (Note: plan elevations vs HydroCAD elevations don't match).
 - i. This scenario appears to bypass water from ponds H & I from going into filter basin J, except when elevations exceed 946.8 which is the majority of the 2-year storm event.
- 11) All filter basins assume an exfiltration at 4.0 inches per hour. Due to head loss and pipe length/roughness, generally 1.0 or 1.5 inches per hour is used for a sand filter exfiltration assumption and drawdown timing.

Rate Controls cannot be determined (see general stormwater comments above)

- 1) Overall peak flows will be controlled at the discharge points from this site by the proposed pond and biofiltration basins and their outlet controls.

Rate Control Summary

		2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
North to Fox Creek/Crow River	Pre-Development (76 Acres)			
	Post-Development (63 Acres)			
South to Rush Creek/Elm Creek	Pre-Development (44 Acres)			
	Post Development (58 Acres)			

Abstraction Controls (38.73 acres new impervious areas) cannot be determined (see general stormwater comments above).

- 1) There are 5.38 acres of existing impervious areas on this site. After development there will be 44.11 acres of impervious areas. To meet the ECWMC requirements, new impervious area water volume must be abstracted. There are 38.73 acres of new impervious areas.
- 2) True abstraction will not occur because soil infiltration rates (based on geotechnical report) are too low to absorb a 1.1" rainfall event over 48 hours.
- 3) In lieu of true abstraction, six (6) biofiltration basins will be installed throughout the project to filter the required 1.1" volume of runoff from all new imperious areas (38.73 acres).
 - a. Required abstraction = $38.73 \times 1.1/12 = 3.55$ -acre feet (154,649 cubic feet)
 - b. Total filtration provided in 6 basins= 4.00-acre feet. (174,284 cubic feet)
 - c. For pre-treatment, raw water from impervious areas will be directed into wet-detention ponds or vegetated swales prior to flowing into biofiltration basins.
 - d. Typical details for outlet control structures, biofiltration basins and wet-detention ponds are necessary in the plan set or stormwater management plan. The Commission recommends the following guidelines on filter basins.
 - i. Underdrains must be constructed with Schedule 40 or SDR smooth wall PVC pipe (or a similar pipe and corresponding 'n' value)
 - ii. Minimum 3" #57 (3/4-1") stone around the pipe
 - iii. Minimum 2" chocking stone (1/2" minus)
 - iv. Minimum 0.5% pipe slope
 - v. One underdrain for every 1000 sq. ft. of surface area.
 - vi. Include at least 2 observation /cleanouts for each underdrain, one at the upstream end and one at the downstream end. Cleanouts should be at least 4 inches diameter vertical non-perforated schedule 40 PVC pipe, and extend to the surface. Cap cleanouts with a watertight removable cap.
 - vii. For underdrains that daylight on grade, include a marking stake and animal guard
 - viii. Avoid filter fabric. (Pipe socks may be needed for underdrains imbedded in sand. If pipe socks are used, then use circular knit fabric)
 - ix. Use solid sections of non-perforated PVC piping and watertight joints wherever the underdrain system passes below berms, down steep slopes, makes a connection to a drainage structure, or daylights on grade.
 - x. Filter basin sequencing must be very specific as it relates to your site. Sequencing must ensure the basin is constructed or reconstructed after the site has permanent stabilization established or the plan must state how it will be protected during the interim (perimeter silt fence alone is not adequate)
 - e. Drawdown on abstraction volumes cannot be determined at this time.

Water Quality Controls

- 1) Water quality controls cannot be determined based on HydroCAD and modeling items listed above in general stormwater section.

Stormwater Summary

CONDITION (AC.)	TP LOAD (LBS/YR)	TSS LOAD (LBS/YR)	FILTRATION (CU. FT.) (38.73-ACRES IMPERVIOUS)	ANNUAL VOLUME (AC. FT.)
Pre-development (baseline)				
Post-development without BMPs				
Post-development with BMPs				
Net Change				

Buffer Strips (Rule I).

- 1) The ECWMC requires a 25' average and 10' minimum buffer width for all wetlands.
 - a. Where slopes within a buffer are graded, any final slope steeper than 6:1 must increase buffer widths 5' horizontally for every 1' vertical increase (i.e. 5:1=30', 3:1 = 45' average).
 - b. Linear roadways and trails must have buffers established to the extent practicable, but are generally exempt from buffer averages
- 2) Based on the plan sheets 45 to 49, it cannot be determined where the specific buffer line will be placed throughout this development.
 - a. It appears that 40' average buffer widths were used to determine buffer areas. Confirmation is necessary.
 - b. Buffer plan tables address wetland areas, it should list wetland perimeters.
 - c. If 40' average is used, the buffer areas will exceed the Commission standard.
 - d. Wetland impacts, if impacted due to buffer compliance, do not appear to be necessary or can be minimized in many areas. Example include buffers on lots 2, 4, 5, 6, 44, 48, 49, 50, Basin F, 213, 214, 215, 190, 191, 192, 193, 121, 122, 110, 111, 302, 303, 305.
- 3) Wetland buffer areas that are not vegetated or have been cultivated or disturbed within the last shall be replanted and maintained with native vegetation.
- 4) Wetland buffer monumentation locations must be provided on the site plans.

Wetland Alterations (Rule G)

- 1) The City of Rogers is the LGU in charge of administering the MN Wetland Conservation Act. Impacts of 1.81 acres are proposed throughout all 7 phases of the development.
 - a. The City of Rogers wetland and zoning codes follow the ECWMC wetland alteration rules.
 - b. Wetland replacement plans have not been received as of this review.

- c. Per statute, the ECWMC will be provided a copy of the replacement plan public notice.
- d. Comments from the ECWMC will take place outside of this review's purview.

Floodplain (Rule F)

- 1) The stormwater management plan interprets the base flood elevation (BFE) at 934.0 using LIDAR elevations in relation to the FEMA overlay maps.
 - a. This area should be analyzed utilizing FEMA and MN DNR standard floodplain models to determine a specific base flood elevation on the basin.
 - b. To provide relief from flood insurance rates on future homeowners in the FEMA flood overlay, a letter of map amendment should be provided for the community.
 - c. Initial drainage area estimate for watershed outlet at Tilton Trail is 586 acres.
 - i. Rough estimate for the wetland basin storage at between 930.0 and 932.0 = 200-acre feet.

Erosion and Sediment Controls for Phase's 1 and 2 only. (Rule E)

- 1) Redundant silt fence/perimeter controls are necessary adjacent to wetlands.
- 2) Temporary and permanent seed mixes during and after mass grading activities are necessary on the SWPP or Landscape plans.
- 3) Filter basins must have their own specific sequencing plan developed as part of the erosion and sediment control plans.

Recommendation: None currently

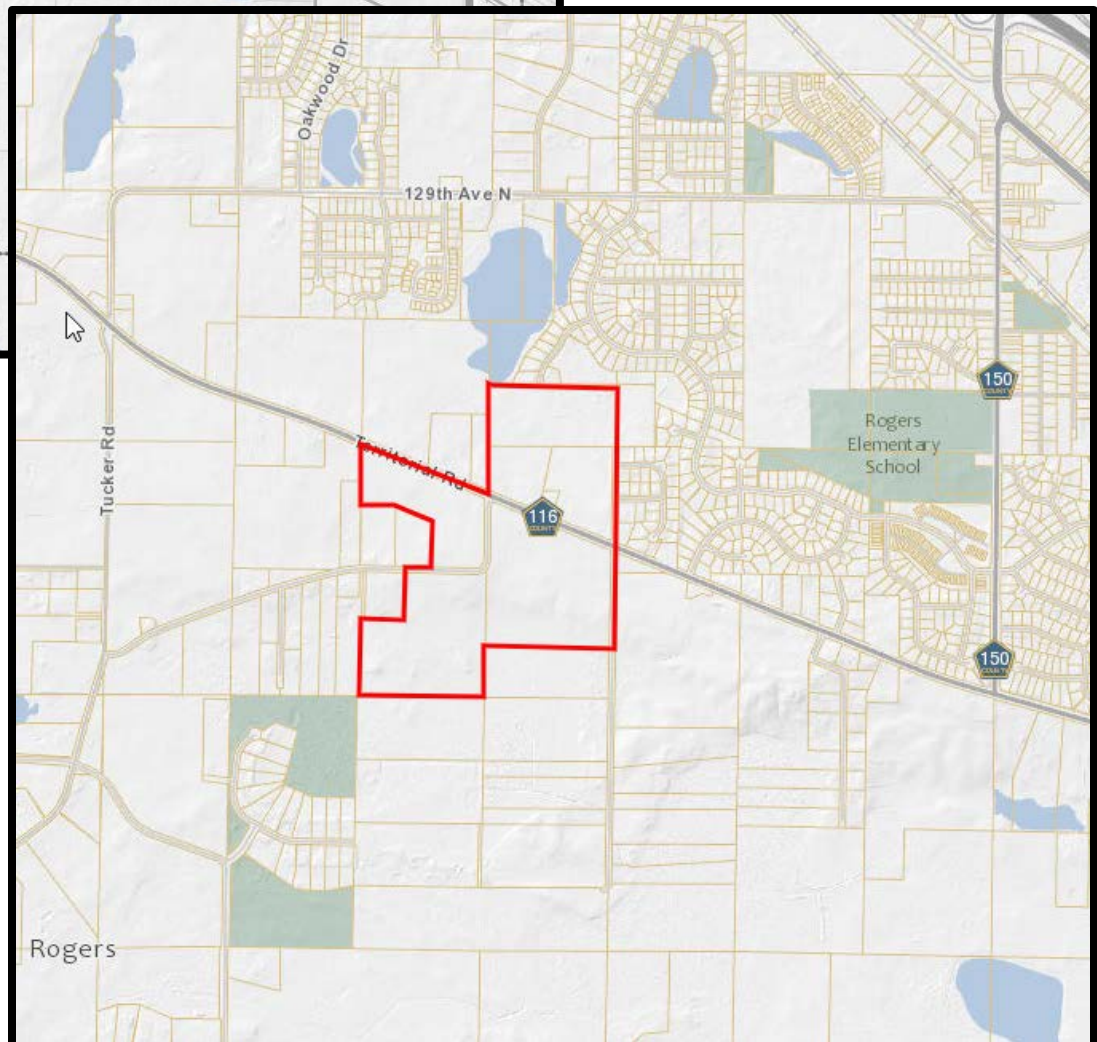
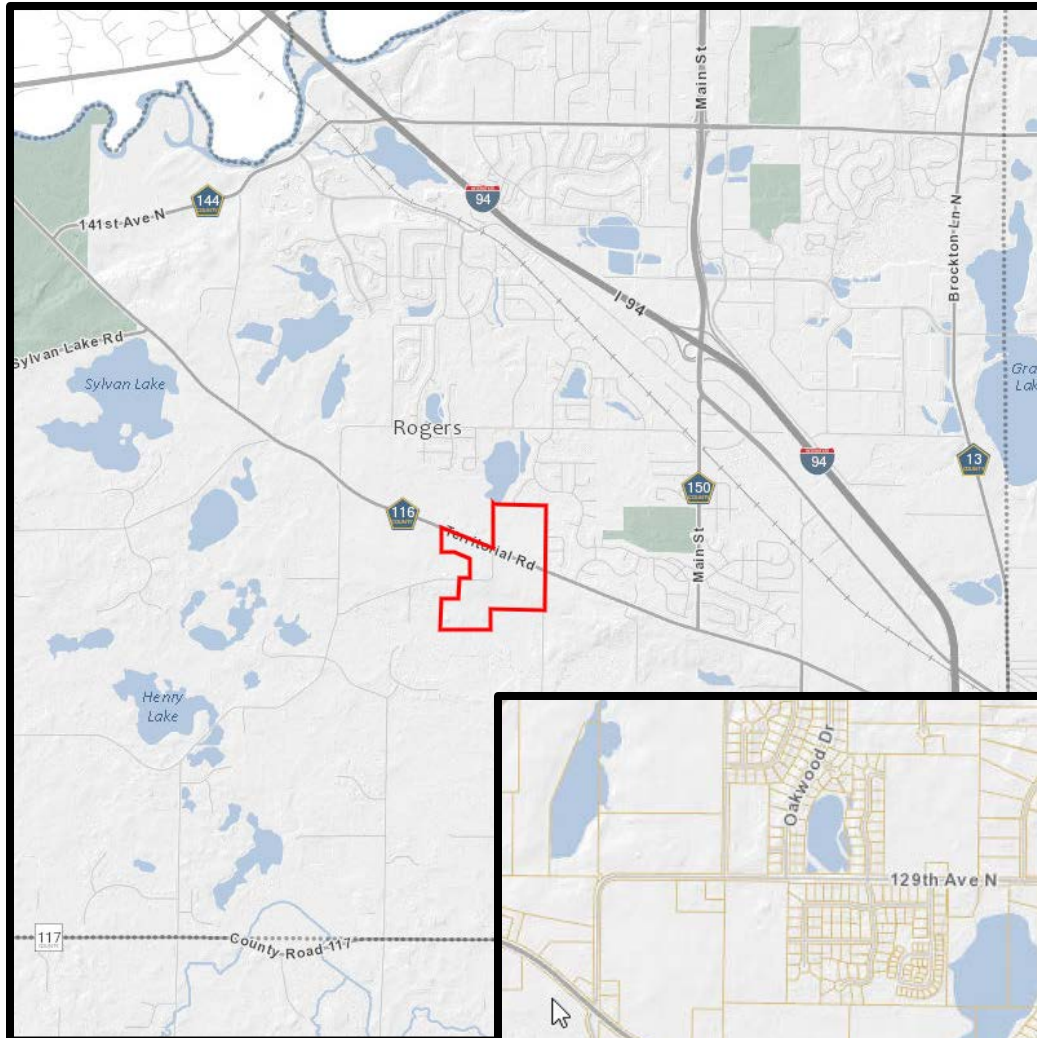
On Behalf of Barr Engineering
Advisor to the Commission

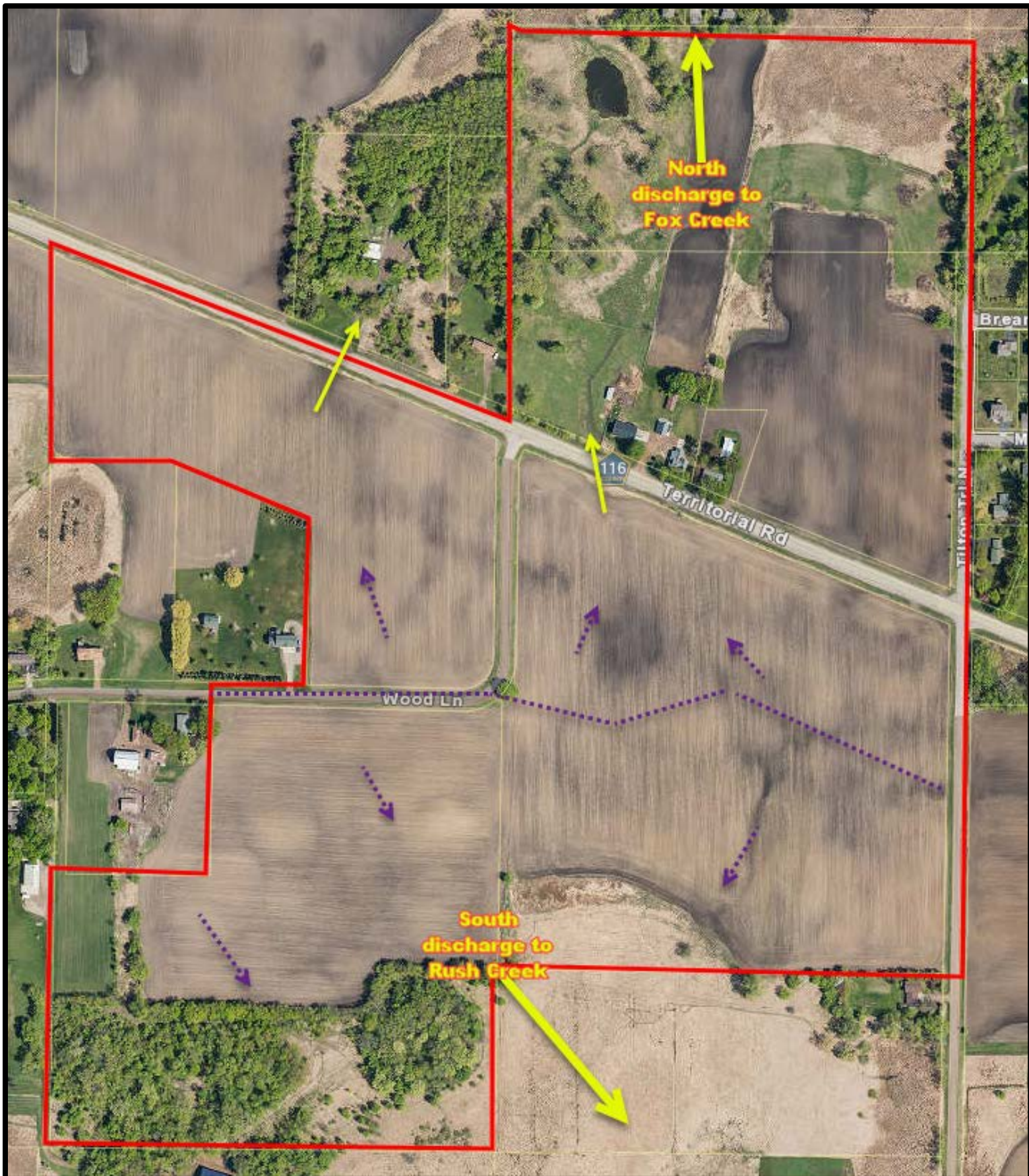


James C. Kujawa
Surface Water Solutions LLC

June 2 2020
Date

Location Map





LOT BREAKDOWN BY PHASE		
PHASE	LOTS	TOTAL
1	1-17, 25-74	67
2	75-83, 128-162, 187-218	76
3	288-305, 327-336, 358-370	41
4	163-186, 230-240, 306-326, 337-357	77
5	84-85, 126-127, 219-229, 241-253	28
6 & 7	86-125, 254-285	74
TOTAL:		363

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SCALE IN FEET

