

elm creek Watershed Management Commission

ADMINISTRATIVE OFFICE

3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
FAX: 763.553.9326
email: judie@jass.biz
www.elmcreekwatershed.org

TECHNICAL OFFICE

Hennepin County
Dept. of Environment & Energy
701 Fourth Ave S Suite 700
Minneapolis, MN 55415-1600
PH: 612.596.1171 • FAX: 612.348.8532
email: James.Kujawa@co.hennepin.mn.us

June 5, 2019

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](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 12, 2019, at 11:30 a.m.** in the Mayor's Conference Room at Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN.

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

Thank you.

Regards,



Judie A. Anderson
Administrator
JAA:tim
Encls: Meeting Packet

cc: Alternates
Joel Jamnik
TRPD

HCEE
Diane Spector
Clerks

BWSR
Met Council
Official Newspaper

MPCA
DNR

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Dept. of Environment and Energy
701 Fourth Ave S Suite 700
Minneapolis, MN 55415-1600
PH: 612.348.7338
FAX: 612.348.8532
Email: James.Kujawa@co.hennepin.mn.us

AGENDA June 12, 2019

1. Call Regular Meeting to Order.
 - a. Approve Agenda.*
2. Consent Agenda.
 - a. Minutes last Meeting.*
 - b. Treasurer's Report and Claims.*
3. Open Forum.
4. Action Items.
 - a. Project Reviews – see Status Report.*
 - 1) 10.q. 2019-013 Boston Scientific Parking Expansion, Maple Grove.*
 - b. 2020 Operating Budget.*
 - 1) Member Assessments.*
5. Old Business.
 - a. Commission Procedures – Table of Contents Commissioner Handbook.*
 - b. 2019 CAMP Monitoring - update.
6. New Business.
7. Communications.
 - a. L_Medina re MPA for purchase of Enhanced Street Sweeper.*
 - b. L_Maximum Capital Levy.*
 - c. Closed Project Policy.*
 - d. Rogers Buckthorn Event.*
8. Education.
 - a. WMWA Update.**
9. Grant Opportunities and Updates.

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

*in meeting packet
**available on website

10. Project Reviews. (See Staff Report.*)

a.					2015-004	Kinghorn Outlet A, Rogers.
b.					2016-040	Kinghorn 4 th Addition, Rogers.
c.					2016-047	Hy-Vee North, Maple Grove.
d.					2017-039	Rush Creek Apartments, Maple Grove.
e.					2017-050W	Ernie Mayer Wetland/floodplain violation, Corcoran.
f.					2018-014	Refuge at Rush Creek, Corcoran.
g.					2018-020	North 101 Storage, Rogers.
h.					2018-021	113th Lane Extension/Brockton/101, Rogers.
i.					2018-038	Vincent Woods of Roger.
j.					2018-046	Graco, Rogers
k.					2019-001	Fernbrook View Apartments, Maple Grove.
l.					2019-007	Westin Ridge, Plymouth.
m.					2019-009	Beacon Ridge, Plymouth.
n.					2019-010	Hindu Temple Solar Array, Maple Grove.
o.		E			2019-011	Ravinia 11 th Addition, Corcoran.
p.					2019-012	Brockton Lane Reconstruction Project, Plymouth.
q.	A	E			2019-013	Boston Scientific Parking Expansion, Maple Grove.
r.		E			2019-014	Bellwether 2nd Addition, Corcoran.
s.					2019-015	Timbers Edge, Plymouth.
t.					2019-016	Rogers Retail Development, Rogers.
u.		E			2019-017	French Lake Industrial Park, Dayton. (previously 2015-011)
v.					2019-018	Peony Lane Trail, Plymouth.
w.					2019-019	Primrose, Rogers.
x.						
y.						
z.						
ag.				AR	2013-046	Woods of Medina, Medina.
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	2017-014	Laurel Creek, Rogers.
am.				AR	2017-017	Mary Queen of Peace Catholic Church, Rogers.
an.				AR	2017-029	Brayburn Trails, Dayton.
ao.				AR	2018-018	Summers Edge Phase II, Plymouth.
ap.				AR	2018-026	Windrose, Maple Grove.
aq.				AR	2018-028	Tricare Third Addition, Maple Grove.
ar.				AR	2018-044	OSI Phase II, Medina.
as.				AR	2018-048	Faithbrook Church Phase 2, Dayton.
at.				AR	2019-002	Parkside Villas, Champlin.

= Action item E = Enclosure provided I = Informational update will be provided at meeting RPFI - removed pending further information

R = Will be removed RP= Information will be provided in revised meeting packet..... D = Project is denied AR = awaiting recordation/final documentation

11. Other Business.

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*in meeting packet
**available on website

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Regular and Public Meeting Minutes May 8, 2019

I. A regular meeting of the Elm Creek Watershed Management Commission was called to order at 11:35 a.m., Wednesday, May 8, 2019, in the Mayor's Conference Room, Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, by Chairman Doug Baines.

Present were: Ken Guenthner, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Elizabeth Weir, Medina; Fred Moore, Plymouth; James Kujawa, Jason Swenson, Kirsten Barta, and Jeremy Geske, Hennepin County Dept. of Environment and Energy (HCEE); Brian Vlach, Three Rivers Park District (TRPD); Jeff Weiss, Barr Engineering; and Judie Anderson, JASS.

Not represented: Champlin and Rogers.

Also present: Todd Tuominen, Champlin; Kevin Mattson, Corcoran; Sarah Nalven, Wenck Associates, Dayton; Mark Lahtinen, Maple Grove; Catherine Cesnik, Plymouth; and Andrew Simmons, Rogers.

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

B. Motion by Weir, second by Moore to approve the **minutes*** of the April 10, 2019 regular meeting. *Motion carried unanimously.*

C. Motion by Moore, second by Weir to approve the May **Treasurer's Report** and **Claims*** totaling \$123,366.40. *Motion carried unanimously.*

[The regular meeting was suspended at 11:40 a.m. in order to convene a public meeting.]

II. **Public Meeting - Minor Plan Amendment.*** The proposed Third Generation Plan amendment is for the purpose of updating the Capital Improvement Program (CIP)* to add three projects, remove one project, and shift funding/timing on six projects. Exhibits* for these projects were included in the meeting packet. The Technical Advisory Committee (TAC) reviewed the revisions and supports the minor plan amendment. This amendment does not approve projects for funding, simply the revisions to the CIP as presented.

The Commissioners discussed at length the appropriateness of including the Enhanced Street Sweeper on the CIP. Since funding for the sweeper is not proposed until 2020 (payable 2021), it was agreed to leave that item on the CIP, pending future consideration. They also agreed that a policy should be formulated for non-traditional CIPs.

A. **Open public meeting.** The public meeting was opened at 11:53 a.m.

1. **One email comment** was received from Judy Sventek: "The Metropolitan Council does not have any additional comments on this minor plan amendment."

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 and Public Meeting Minutes – May 8, 2019

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2. No comments were received from any of the other reviewing agencies. No comments were received from the member cities.

3. **Comments from public.** No one was present from the general public.

4. The **public meeting was closed** at 11:54 a.m.

B. Commission Discussion.

1. Motion by Guenthner, second by Trainor to adopt **Resolution 2019-02 Adopting a Minor Plan Amendment.*** *Motion carried unanimously.*

2. Motion by Weir, second by Trainor directing Staff to follow-up on the sweeper issue. *Motion carried unanimously.*

[The regular meeting was reconvened at 12:02 p.m.]

III. Open Forum.

IV. Action Items.

A. **Project Review 2019-007 Westin Ridge, Plymouth.*** This project is proposed on four individual parcels totaling approximately 75 acres. Located at the southeast intersection of CSAH 101 and CR 47, the entire site flows to a large onsite wetland that takes up approximately the southerly 1/3 of the properties. This wetland discharges easterly into a chain of wetlands that run for about a mile before reaching Elm Creek on the east side of Peony Lane. The site will be developed into 122 single-family detached residential lots. The Commission's review is for the Commission's Third Generation Plan Rules D, E and I. In their findings dated April 26, 2019 Staff recommends approval contingent upon compliance with Plymouth's (LGU) wetland replacement plan requirements. Motion by Trainor, second by Moore to approve Staff's recommendation. *Motion carried unanimously.*

B. **Project Review 2019-009 Beacon Ridge, Plymouth.*** This project proposes to redevelop a low-density residential area with three large, wooded lots into a medium density residential area with 37 single-family homes. Stormwater controls will be completed by the construction of one new wet detention pond with a filtration shelf, connection to existing stormwater features via storm sewer, and direct runoff to the development to the north. The project will add approximately 3.91 new acres of impervious area. Despite the change in density, the developer has made efforts to preserve trees. In their findings dated May 2, 2019 Staff recommends approval pending confirmation that the City will maintain the pond/infiltration trench. If the City will not maintain the pond, an O&M plan must be recorded with the plat. Motion by Moore, second by Weir to approve Staff's recommendation. *Motion carried unanimously.*

C. **Project Review 2019-010 Hindu Temple Solar Array, Maple Grove.*** This project proposes the installation of a solar array for electrical power generation located at the Hindu Temple site. The size of the array is small enough that it would typically not require review by the Commission. However, portions of the array are proposed to be located in the floodplain and floodway of Rush Creek, triggering Commission review. Staff has reviewed the project plans and, in their findings dated May 1, 2019, is recommending approval with no conditions. Motion by Weir, second by Trainor to approve Staff's recommendation. *Motion carried unanimously.*

D. **Project Review 2019-011 Ravinia 11th Addition, Corcoran.*** This project is a 5.6-acre, rural residential lot located on CR 101, approximately 1/4 mile north of the four-corner intersection of Maple Grove, Plymouth, Medina and Corcoran. The developer is proposing to subdivide the property into 14 single-family residential lots. The project triggers the Commission's review for rules D, E, G, and I. In their findings dated May 7, 2019, Staff

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elm creek Watershed Management Commission

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recommends approval contingent upon (1) wetland buffers meeting the Commission's requirements and (2) an O&M agreement between the City and the HOA being approved and recorded on the land title on this property. Motion by Weir, second by Guenthner to approve this project per Staff's May 7 recommendations. *Motion carried unanimously.*

E. 2020 Operating Budget.* Moore provided an overview of the proposed 2020 operating budget. Operating expenses total \$986,893, including \$423,323 for CIPS, special projects and studies, and \$125,000 for grant expense. Member dues* total \$237,300.

In order to maintain a positive unrestricted/unassigned fund balance it is necessary to reassign \$50,000 from the Projects Ineligible for Ad Valorem funding account to the General Fund. Motion by Moore, second by Weir to approve that reassignment. Motion carried unanimously.

The budget must be approved at the Commission's June meeting.

F. Included in the meeting packet was the preliminary **2018 Financial Audit*** prepared by Johnson & Co. Staff has reviewed the report and recommends its acceptance. Motion by Moore, second by Weir to accept the 2018 Financial Audit. *Motion carried unanimously.*

G. The 2019 Operating Budget includes \$760 to monitor one lake as part of **Metropolitan Council's Citizen-Assisted Monitoring Program**. Staff and Three Rivers Park will work to identify that lake and seek a volunteer to perform the semi-monthly monitoring.

V. Watershed Management Plan.

VI. Old Business.

A. Barr Engineering has drafted a letter stating its interest in continuing its relationship with the Commission as its primary provider of technical services and indicating that Barr has the capacity to continue to provide this service as HCEE ceases its role of reviewing development/redevelopment projects.

B. Guenthner reported on his meeting with Staff regarding the Commission's policies and procedures. Changes will be implemented in accordance with that conversation, including creation of a revised and updated Commissioner handbook.

VII. New Business.

Project Review 2019-04 Bellwether 2nd Addition, Corcoran. Staff has been in communication with the developer of this project which is the second phase of Project Review 2018-032 Encore. Irrigating out of wetland 7 was approved by the Commission and the Technical Evaluation Panel (TEP) last year with the condition that the NWL be maintained at 928.25 or higher at all times during the irrigation season. The TEP further recommended monitoring the wetland elevations with a piezometer throughout the basin. If a more accurate NWL on the wetland can be determined, the TEP will reconsider that elevation at the developer's request.

The Commission's review and approval of 2018-032 covered the overall stormwater management plan and the WCA issues on the first addition, along with the grading and erosion control for the first addition. Because the Commission's approvals are good for one year, the 2nd Addition review for grading and erosion control will fall under the 2018-032 application and the 2nd addition will be reviewed for consistency with the approved stormwater management plan and for erosion controls. Compliance with the Commission's wetland buffer rules will also be reviewed. After the one-year anniversary (October 10, 2019), review 2018-032 will expire and the applicant must make a complete new application for future reviews

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Regular and Public Meeting Minutes – May 8, 2019

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The overall stormwater management approval from project 2018-032 will remain in effect as long as the PUD is active and approved at the City and future phases are consistent with the Commission's SWMP approval.

For the 2019-04 review (and future reviews if needed) Staff sought additional information regarding the Alternative Wetland Protection Methods proposed on wetland #20. Although wetland impacts are being reduced by 5,610 SF, Rule I requires the use of alternative wetland protection methods, which must be approved by the Commission. It is assumed by Staff that the alternative methods will be different for each site.

The Commission generally agreed with Staff that eliminating the buffer and creating an alternative wetland protection method is preferable to filling in a wetland just to gain more buffer area. In the case of wetland #20 on this site, the Commission was provided an alternative method from Staff that included (a) the construction of a retaining wall at the upland edge of the wetland fill and (b) the area behind the retaining wall (2-3 ft. wide) would be backfilled with a sand/gravel mix with a drain tile placed at the inside base of the retaining wall. The area behind the retaining wall would intercept sheet flows from the lots above it, in essence acting as a filter for the majority of storm events that flowed toward the retaining wall before the water entered the wetland. The Commissioners felt this was an acceptable alternative buffer method in this case.

VIII. Water Quality.

A. FEMA Floodplain Mapping. Swenson reported hydrologic modeling work has continued through the month of April. Staff is running about 2-3 weeks behind on providing a model submittal to the Minnesota DNR. This submittal was originally anticipated to be complete by the end of April. This does not put the remainder of the project behind, as there was some overlap between review of hydrologic modeling and completion of hydraulic modeling. After the hydrologic report and submittal are made (estimated date of May 17), Staff will present results at the June meeting.

B. Included in the meeting packet is a copy of the **City of Corcoran's 2018 Stormwater Annual Report.***

IX. Education and Public Outreach - West Metro Water Alliance (WMWA).

The **next WMWA meeting** is scheduled for 8:30 a.m., Tuesday, May 14, 2019, at Plymouth City Hall.

X. Communications.**XI. Other Business.**

A. The following **projects** are discussed in the May Staff Report.* ("W" denotes wetland project.)

1. 2013-046 Woods of Medina, Medina.
2. 2014-015 Rogers Drive Extension, Rogers.
3. 2015-004 Kinghorn Outlet A, Rogers.
4. 2015-030 Kiddiegarten Child Care Center, Maple Grove.
5. 2016-002 The Markets at Rush Creek, Maple Grove.
6. 2016-005W Ravinia Wetland Bank, Corcoran.
7. 2016-040 Kinghorn 4th Addition, Rogers

RULE D - STORMWATER MANAGEMENT
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8. 2016-047 Hy-Vee Maple Grove #1, Maple Grove.
9. 2017-014 Laurel Creek, Rogers.
10. 2017-017 Mary Queen of Peace Catholic Church, Rogers
11. 2017-029 Brayburn Trails, Dayton.
12. 2017-039 Rush Creek Apartments, Maple Grove.
13. 2017-050W Ernie Mayer Wetland/floodplain violation, Corcoran.
14. 2018-005 Sundance Greens, Dayton.
15. 2018-014 Refuge at Rush Creek, Corcoran.
16. 2018-018 Summers Edge Phase III, Plymouth.
17. 2018-020 North 101 Storage, Rogers.
18. 2018-021 113th Lane Extension, Brockton Lane/CSAH101 Intersection, Rogers.
19. 2018-026 Windrose, Maple Grove.
20. 2018-028 Tricare Third Addition, Maple Grove.
21. 2018-038 Vincent Woods, Rogers.
22. 2018-044 OSI Phase II, Medina.
23. 2018-046 Graco Expansion, Rogers.
24. 2018-048 Faithbrook Church, Phase 2, Dayton.
25. 2019-001 Fernbrook View Apartments, Maple Grove.
26. 2019-002 Parkside Villas, Champlin.
27. 2019-003 Rogers High School Tennis Courts., Rogers.
28. 2019-005 UBOL I-94 MnDOT Project, Maple Grove, Rogers.-
29. 2019-007 Westin Ridge, Plymouth.
30. 2019-008 Residences on Elm Creek, Medina.
31. 2019-009 Beacon Ridge, Plymouth.
32. 2019-010 Hindu Temple Solar Array, Maple Grove.
33. 2019-011 Ravinia 11th Addition, Corcoran.
34. 2019-012 Brockton Lane Reconstruction, Plymouth.
35. 2019-013 Boston Scientific Parking Expansion, Maple Grove.
36. 2019-014 Bellwether 2nd Addition, Corcoran.

B. Adjournment. There being no further business, the meeting was adjourned at 1:29 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary

JAA:tim

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RULE D - STORMWATER MANAGEMENT
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Elm Creek Watershed Management Commission 2019 Treasurer's Report

		2019 Budget	May 2019	June 2019	2019 Budget YTD
EXPENSES					
Administrative		90,000	8,483.51	7,093.71	41,912.91
Watershed-wide TMDL Admin		1,500			0.00
Grant Writing		4,000			0.00
Website		5,000	60.00	75.00	379.80
Legal		2,000			139.50
Audit		5,000			0.00
Insurance		3,900			2,865.00
Miscellaneous/Contingency		1,000			0.00
Project Reviews	HCEE	97,400	23,273.68		23,273.68
Project Reviews	Consult	15,000	490.50	2,239.50	7,510.50
Project Reviews	Admin	15,000	552.74	824.82	3,636.34
WCA-Technical	HCEE	18,200	1,715.66		1,715.66
WCA	Legal	500			31.00
WCA	Admin	2,000	57.97		953.13
Floodplain Mapping	Technical	46,386	16,046.98		16,046.98
Stream Monitoring USGS		41,000	5,210.00		10,420.00
Stream Monitoring TRPD		6,875			0.00
DO Longitudinal Survey		-			0.00
TMDL Follow-up - TRPD		2,500			0.00
Rain Gauge		250	15.75	16.63	80.90
Rain Gauge Network		100			0.00
Lakes Monitoring - CAMP		760			0.00
Lakes Monitoring - TRPD					
Sentinel Lakes		8,100			0.00
Additional Lake		1,500			0.00
Aquatic Vegetation Surveys		325			0.00
Wetland Monitoring (WHEP)		4,000			0.00
Education		4,000		500.00	2,026.64
WMWA General Activities		5,000			3,000.00
WMWA Educators/Watershed Prep		4,500			2,000.00
WMWA Special Projects		2,000			0.00
Rain Garden Workshops		2,000			1,000.00
Education Grants		1,000			0.00
Macroinvertebrate Monitoring-River Watch		3,000			0.00
Projects ineligible for ad valorem		50,000			0.00
Studies / Project ID / SWA		35,000	254.87	382.20	1,766.46
Plan Amendments		2,000	444.54	727.39	1,171.93
<i>Transfer to (from) Encumbered Funds (see below)</i>					0.00
<i>Transfer to (from) Capital Projects (see CIP Tr</i>		490,000	66,760.20		66,760.20
<i>Transfer to (from) Cash Sureties (see below)</i>				-	0.00
<i>Transfer to (from) Grants (see below)</i>			-	-	20.32
<i>To Fund Balance</i>					0.00
TOTAL - Month			123,366.40	11,859.25	186,710.95
TOTAL Paid in 2019, incl late 2018 Expenses		970,796.00	282,681.86	294,541.11	2019 Paid

Elm Creek Watershed Management Commission 2019 Treasurer's Report

		2019 Budget	May 2019	June 2019	2019 Budget YTD
INCOME					
<i>From Fund Balance</i>					
Project Review Fee		80,000	6,423.00		14,069.70
Return Project Fee					0.00
Water Monitoring - TRPD Co-op Agmt 2018					
Water Monitoring - TRPD Co-op Agmt		5,000			0.00
WCA Fees		9,000			900.00
Return WCA Fee					0.00
Reimbursement for WCA Expense					654.81
WCA Escrow Earned					0.00
Member Dues		230,400			230,400.00
Interest/Dividends Earned		3,000	2,434.91		12,138.81
Transfer to (from) Capital Projects (see CIP Tr		490,000			0.00
Transfer to (from) Cash Sureties (see below)					
Transfer to (from) Grants (see below)			-	-	5,028.00
Misc Income					0.00
Total - Month			8,857.91	0.00	263,191.32
TOTAL Rec'd 2019, incl late 2018 Income		817,400.00	272,331.00	272,331.00	2019 Received
CASH SUMMARY		Balance Fwd			
Checking		0.00			
4M Fund		1,303,038.87	1,292,688.01	1,280,828.76	
Cash on Hand			1,292,688.01	1,280,828.76	
CASH SURETIES HELD		Balance Fwd			Activity 2019
WCA Escrows Received		30,000.00			1,000.00
WCA Escrow Reduced		0.00			0.00
Total Cash Sureties Held		30,000.00	31,000.00	31,000.00	
RESTRICTED / ENCUMBERED FUNDS		Balance Fwd			
Restricted for CIPs		732,761			732,761.00
Restricted for Closed Project Funds		1,222			1,222.00
Enc. Studies / Project Identification / SWA		175,297			175,297.00
Projects Ineligible for ad valorem		50,000			50,000.00
Total Restricted / Encumbered Funds		959,280	959,280.00	959,280.00	
			May 2019	June 2019	2019 Budget YTD
GRANTS					
Fish Lake CWLA					
Revenue					-
Expense					20.32
Balance			-	-	(20.32)
Rush Creek SWA					
Revenue					5,028.00
Expense					-
Balance			-	-	5,028.00
BWSR Watershed-based Funding					
Revenue					-
Expense					-
Balance			-	-	-
TOTAL GRANTS					
Revenue			-	-	5,028.00
Expense			-	-	20.32
Balance			-	-	5,007.68

Elm Creek Watershed Management Commission 2019 Treasurer's Report

Claims Presented		General Ledger Account No	May	June	TOTAL
Campbell Knutson - Legal		521000			0.00
Connexus - Rain Gauge		551100		16.63	16.63
Barr Engineering - Proj Rev Consultant		578050		2,239.50	2,239.50
ECM Publishers					354.40
ECM - EC Plan Amendment Notice		541500		354.40	
Freshwater Society-Water Summit Sponsor		590000		500.00	500.00
JASS					8,748.72
Administration		511000		7,093.71	
TAC Support		511000			
Annual Report		511000			
Website		581000		75.00	
Project Reviews		578100		824.82	
WCA		579000			
Plan Amendment		541500		372.99	
Education		590000			
CIPs General		563001		382.20	
Grant Opportunities		511000			
Grant - Fish Lake CWLA		584001			
Grant - Rush Creek SWA		584002			
Floodplain Mapping Admin		580430			
TOTAL CLAIMS					11,859.25

Elm Creek Watershed Management Commission
2019 Treasurer's Report - Capital Improvement Project Tracking

item 02b

CIPs		Amount	%age	TOTAL 2014	TOTAL 2015	TOTAL 2016	TOTAL 2017	TOTAL 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	TOTAL 2019	TOTAL ALL YEARS
	2014-01 Medina Tower Drive	68,750	52.380													
	Revenue			-	68,916.44	(37.13)	(15.52)	6.56							-	68,870.35
	Expense			1,989.80	-	-	-	-							-	1,989.80
	Payment to City												66,760.20		66,760.20	66,760.20
	To Closed Project Account														(120.35)	120.35
	Balance			(1,989.80)	68,916.44	(37.13)	(15.52)	6.56					(66,760.20)		(66,880.55)	(0.00)
	2016-01 Fox Creek Phase 2 Bank Stabili	80,312.00	16.296													
	Revenue			-	-	-	80,353.26	(98.25)							-	80,255.01
	Expense			-	-	106.32	-	-							-	106.32
	Balance			-	-	(106.32)	80,353.26	(98.25)							-	80,148.69
	2016-04 Rush Creek Main Stem Restora	75,000.00	15.219													
	Revenue			-	-	-	75,042.75	(91.75)							-	74,951.00
	Expense			-	-	106.32	-	-							-	106.32
	Balance			-	-	(106.32)	75,042.75	(91.75)							-	74,844.68
	2016-05 Fish Lake Alum Trmt Phase 1	75,000.00	15.219													
	Revenue			-	-	-	75,042.75	(91.75)							-	74,951.00
	Expense			-	-	106.32	-	-							-	106.32
	Balance			-	-	(106.32)	75,042.75	(91.75)							-	74,844.68
	2017-01 Fox Creek Phase 3 Streambank	112,500.00	25.714													
	Revenue			-	-	-	-	112,347.11							-	112,347.11
	Expense			-	-	-	135.85	-							-	135.85
	Balance			-	-	-	(135.85)	112,347.11							-	112,211.26
	2017-03 Mill Pond Fishery & Habitat Res	250,000.00	57.143													
	Revenue			-	-	-	-	249,663.63							-	249,663.63
	Expense			-	-	-	135.86	-							-	135.86
	Balance			-	-	-	(135.86)	249,663.63							-	249,527.77
	2017-04 Rain Garden at Independence	75,000.00	17.143													
	Revenue			-	-	-	-	74,899.52							-	74,899.52
	Expense			-	-	-	135.85	-							-	135.85
	Balance			-	-	-	(135.85)	74,899.52							-	74,763.67
	2018-01 Rush Creek Ph 3 Main Stem St	75,000.00														
	Revenue			-	-	-	-	-							-	-
	Expense			-	-	-	-	115.18							-	115.18
	Balance			-	-	-	-	(115.18)							-	(115.18)
	2018-02 Elm Creek Reach D Stream Re	212,500.00														
	Revenue			-	-	-	-	-							-	-
	Expense			-	-	-	-	115.18							-	115.18
	Balance			-	-	-	-	(115.18)							-	(115.18)

Elm Creek Watershed Management Commission
2019 Treasurer's Report - Capital Improvement Project Tracking

item 02b

CIPs		Amount	%age	TOTAL 2014	TOTAL 2015	TOTAL 2016	TOTAL 2017	TOTAL 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	TOTAL 2019	TOTAL ALL YEARS
	2018-03 Elm Creek Phase III Stream Re	100,000.00														
	Revenue				-	-	-	-							-	-
	Expense				-	-	-	115.18							-	115.18
	Balance				-	-	-	(115.18)							-	(115.18)
	2018-04 Downs Road Trail Rain Garder	75,000.00														
	Revenue				-	-	-	-							-	-
	Expense				-	-	-	115.18							-	115.18
	Balance				-	-	-	(115.18)							-	(115.18)
TOTAL CIP																
	Revenue			-	131,570.13	249,795.17	494,329.63	436,392.95	-	-	-	-	-	-	-	1,312,087.88
	Expense			3,621.61	2,606.17	812.59	407.56	685.72	-	-	-	-	-	-	-	8,133.65
	Payments					245,276.36	1,836.48	322,859.09	-	-	-	-	-	-	-	569,971.93
	Balance			(3,621.61)	128,963.96	3,706.22	492,085.59	111,626.42	-	-	-	-	(66,760.20)	-	(66,880.55)	665,880.03
CLOSED PROJECT FUND																
	2014-02 Champlin Mill Pond Dam							82.31								82.31
	2015-01 Plymouth Elm Creek Restoration							1,139.41								1,139.41
	2014-01 Medina Tower Drive														120.35	120.35
	Balance Closed Project Fund															1,342.07
TOTAL CIP & Closed Project Fund																667,222.10
COMPLETED PROJECTS \$0 BALANCE																
	2016-02 Miss River Shore Repair/Stabilization							COMPLETE								
	2016-03 EC Dam at Mill Pond							COMPLETE								



Monthly Statement

Service Address
ELM CREEK RD
DAYTON MN

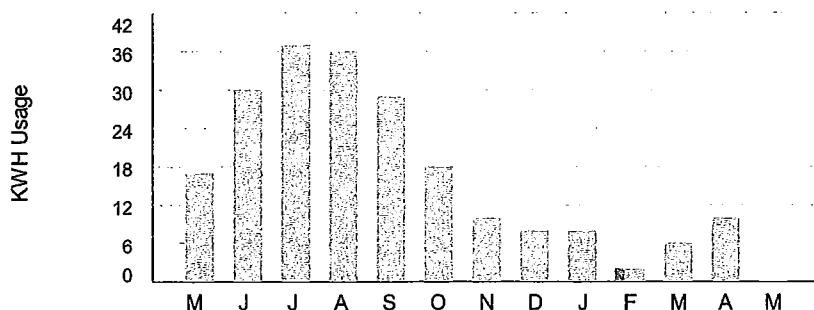
Billing Summary

Billing Date: May 17, 2019

Previous Balance	\$15.75
Payments - Thank You!	\$15.75
Balance Forward	\$0.00
New Charges	\$16.63
Total Amount Due	\$16.63
Payment must be received on or before June 13, 2019	

Energy Comparison

Previous Months' Usage Current Month's Usage



How to contact us

Member Services / Moving - 763-323-2650
Outages and Emergencies - 763-323-2660
Hearing/Speech Impaired Call - 711 or 800-627-3529
Email: info@connexusenergy.com
www.connexusenergy.com
Gopher State One Call - 811
14601 Ramsey Boulevard, Ramsey, MN 55303

Account Number:
481113-238425

item 02b

ELM CREEK WATERSHED MGMT ORG

Total Amount Due

\$16.63

Due Date

June 13, 2019

Message Center

Board of Directors' election results

In the Board of Directors' election, incumbents Peter Wojciechowski, Ken Fiereck, and Shelly Peterson were re-elected to the board. For more information on the 2019 annual meeting and results, visit us at connexusenergy.com.

Sign-up before summer

Our new Peak Time Rebate program lets you decide how much energy you want to save. On this program, you help us save energy on days when it's most expensive for energy to be produced. In turn, we pay you for each kilowatt-hour of energy saved when compared to your normal usage. For more information, visit us at connexusenergy.com.

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

TRA3-D-007358/007794 AGWYA3 S1-ET-M1-C00001 12



Account Number:

481113-238425

Total Amount Due

\$16.63

Payment Due By

June 13, 2019

007358 2 AB 0.409 007358/007358/007794 039 01 AGWYA3
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy
PO Box 1808
Minneapolis, MN 55480-1808

00001663 0004811130238425 000000 00000 000000000000 0000003



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
 JASS-Watershed Administrators
 3235 Fernbrook Lane
 Plymouth, MN 55447

May 20, 2019

Invoice No: 23270F55.03 - 101

Total this Invoice	\$2,239.50
---------------------------	-------------------

Regarding: Development Reviews

This invoice is for professional services related to Elm Creek Watershed Management Commission project reviews, which included the following tasks:

Task 170 – 2019-009 Beacon Ridge

- Review of submitted materials
- Communications with the City and developer during project review
- Presenting the project at the April ECWMC meeting
- Project management and invoicing

Professional Services from March 23, 2019 to April 19, 2019

Job:	JOB3	Project Review
Task:	170	2019-009 Beacon Ridge

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist III				
Weiss, Jeffrey	7.70	135.00	1,039.50	
Engineer / Scientist / Specialist I				
Austin-Petersen, Andrew	13.10	80.00	1,048.00	
Support Personnel II				
Nypan, Nyssa	1.60	95.00	152.00	
	22.40		2,239.50	
Subtotal Labor				2,239.50
		Task Subtotal		\$2,239.50
		Job Subtotal		\$2,239.50
		Total this Invoice		\$2,239.50

Thank you in advance for your prompt processing of this invoice. If you have any questions, please contact your Barr Project Manager, Jeff Weiss Phone: 952-832-2706 or E-Mail: jweiss@barr.com.



4095 Coon Rapids Blvd.
Coon Rapids, MN 55433
Address Service Requested

☐ PLEASE CHECK BOX IF ADDRESS CHANGED
& INDICATE NEW ADDRESS

item 02b

Page # 1

INVOICE

Invoice Date

5/2/2019

Invoice Number

691918

Ad Number

929200

Terms

Net 30

Check Number

Amount Paid

Account #

419241

\$354.40

ELM CREEK WATERSHED MGMT COMMISSION
JUDIE ANDERSON
3235 FERNBROOK LN
PLYMOUTH, MN 55447

ACCOUNT NUMBER	START DATE	STOP DATE	EDITION DATE	ACCOUNT REPRESENTATIVE
419241	04/25/19	05/02/19	5/2/2019	Osseo Legals 952-392-6829

Please return the upper portion with your payment. To pay by credit card, please call 763-712-2494 or 877-326-3600.

PUBLICATION	DATE	AD#	CLASS	DESCRIPTION/TAG LINE	TYPE	SIZE	QTY/ TIMES	AMOUNT
Osseo MG Press	05/02/2019	929200	155	May 8 Public Meeting	L	1.0 X 9.89	2	354.40

691918

Net Amount	354.40
Shipping	0.00
Tax	0.00
Amount Due	354.40



\$30 charge assessed for returned checks.
Report errors within 5 days to ensure consideration.
Unpaid balances over 30 days past due will incur a 1.5%
finance charge per month (Minimum .50 per month).

AFFIDAVIT OF PUBLICATION

STATE OF MINNESOTA) ss
COUNTY OF HENNEPIN

Elise Strecker being duly sworn on an oath, states or affirms that he/she is the Publisher's Designated Agent of the newspaper(s) known as:

Osseo MG Champlin Dayton Press

with the known office of issue being located in the county of:

HENNEPIN

with additional circulation in the counties of:

HENNEPIN

and has full knowledge of the facts stated below:

- (A) The newspaper has complied with all of the requirements constituting qualification as a qualified newspaper as provided by Minn. Stat. §331A.02.
- (B) This Public Notice was printed and published in said newspaper(s) once each week, for 2 successive week(s); the first insertion being on 04/25/2019 and the last insertion being on 05/02/2019.

MORTGAGE FORECLOSURE NOTICES

Pursuant to Minnesota Stat. §580.033 relating to the publication of mortgage foreclosure notices: The newspaper complies with the conditions described in §580.033, subd. 1, clause (1) or (2). If the newspaper's known office of issue is located in a county adjoining the county where the mortgaged premises or some part of the mortgaged premises described in the notice are located, a substantial portion of the newspaper's circulation is in the latter county.

By:  Designated Agent

Subscribed and sworn to or affirmed before me on 05/02/2019 by Elise Strecker.

ELM CREEK WATERSHED MANAGEMENT COMMISSION NOTICE OF PUBLIC MEETING

TO WHOM IT MAY CONCERN:

Notice is hereby given that the Elm Creek Watershed Management Commission will meet at Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, on Wednesday, May 8, 2019, at 11:30 a.m., or as soon thereafter as the matter may be heard, for a public meeting on a proposed management plan amendment.

The Commission proposes to amend its Third Generation Watershed Management Plan to adopt revisions to its 2019 Capital Improvement Program (CIP).

The following projects would be added:

Brockton Lane Water Quality Improvements, Plymouth, est cost \$150,000, Comm share in 2020 \$37,500

The Meadows Playfield, Plymouth, est cost \$5,300,000, Comm share in 2020 \$250,000

Enhanced Street Sweeper, Plymouth, est cost \$350,000, Comm share in 2020 \$75,000

The following project would be removed:

Stone's Throw Wetland, Corcoran, est cost \$450,000, Comm share in 2019 \$112,500

Funding for the following projects would be shifted or adjusted:

Lowell Road Raingarden, Champlin, est cost \$400,000, shift \$100,000 from 2019 to 2020

Mill Pond Raingarden, Champlin, est cost \$400,000, shift \$100,000 from 2019 to 2020

Ranchview Wetland Restoration, Maple Grove, est. cost \$2,500,000, shift \$125,000 from 2019 to 2020

Agricultural BMPs Cost Share, watershedwide, adjust \$50,000 in 2019 to \$20,000

Hickory Drive Stormwater Improvement, Medina, est cost adjusted to \$307,920; Comm share in 2019 adjusted to \$76,823

Downtown Regional Stormwater Pond, Corcoran, est cost adjusted to \$105,908; Comm share in 2019 adjusted to \$26,500

The remaining projects on the CIP are unchanged.

The Elm Creek watershed includes parts of the cities of Champlin, Corcoran, Dayton, Maple Grove, Medina, Plymouth and Rogers.

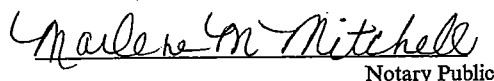
Persons who desire to be heard with reference to the proposed amendment will be heard at this meeting. Written comments may be submitted to Doug Baines, chair of the Elm Creek Commission, c/o JASS, 3235 Fernbrook Lane, Plymouth, MN 55447, or emailed to judie@jass.biz. Auxiliary aids for persons with handicaps are available upon request at least seven days in advance. Please contact Judie Anderson at 763-553-1144 to make arrangements.

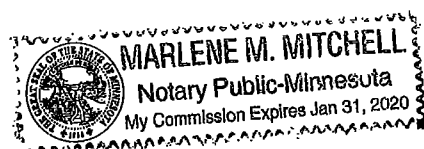
/s/ Doug Baines, Chair
Elm Creek Watershed Management Commission

By order of the Elm Creek Watershed Management Commission

Published in
The Press

April 25, May 2, 2019
929200


Notary Public

**Rate Information:**

(1) Lowest classified rate paid by commercial users for comparable space:

\$17.90 per column inch

Ad ID 929200

FRESHWATER
SOCIETY**Invoice**

2424 Territorial Rd
Suite B
St. Paul, MN 55114
651-313-5800

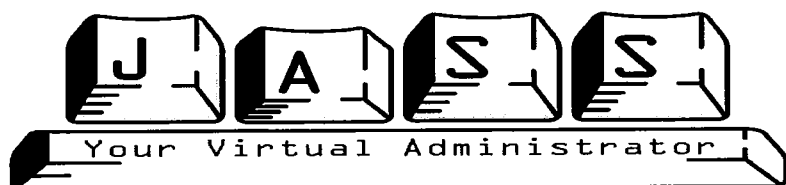
Invoice #: 813
Invoice Date: 5/9/2019

P.O. Number:

Bill To:

Elm Creek Watershed Commission
3235 Fernbrook Lane
Plymouth, MN 55447

Description	Amount
Water Summit Sponsor-May 9-10	500.00
Total \$500.00	
Payments/Credits \$0.00	
Balance Due \$500.00	



3235 Fernbrook Lane
Plymouth MN 55447

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

5-Jun-19

Total by
Project Area

Administrative	3.75	55.00	206.25	
Administrative	73.64	60.00	4,418.40	
Admin - Offsite	3.67	70.00	256.90	
Office Support	7.50	200.00	1,500.00	
Storage Unit	1.00	140.62	140.62	
Data Processing/File Mgmt		55.00	0.00	
File Management		60.00	0.00	
Archiving		60.00	0.00	
Admin - Reimbursable Expense	571.54	1.00	571.54	7,093.710
Website		55.00	0.00	
Website	1.25	60.00	75.00	
Website - Reimbursable Expense		1.00	0.00	
Web Domain, hosting thru June 2020		1.00	0.00	75.000
Project Reviews - Secre		55.00	0.00	
Project Reviews - Admin	10.47	60.00	628.20	
Project Reviews - Admin offsite		70.00	0.00	
Project Reviews - Admin - File Mgmt		55.00	0.00	
Project Reviews - Reimbursable Expense	196.62	1.00	196.62	824.820
CIPs - General - Secretarial		55.00	0.00	
CIPs - Administrative	6.37	60.00	382.20	
CIPs- Offsite Admin		70.00	0.00	
CIPs - reimbursables		1.00	0.00	382.200
Plan Amendment - Secre		55.00	0.00	
Plan Amendment - Admin	4.17	60.00	250.20	
Plan Amendment - Offsite		65.00	0.00	
Plan amendment - reimbursable	122.79	1.00	122.79	372.990

Invoice Total

8,748.720

elm creek

Watershed Management Commission

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
FAX: 763.553.9326
email: judie@jass.biz
www.elmcreekwatershed.org

TECHNICAL OFFICE
Hennepin County
Environment and Energy Dept
701 Fourth Ave S Suite 700
Minneapolis, MN 55415-1600
PH: 612.348-7338 • FAX: 612.348.8532
Email: James.Kujawa@hennepin.us

STAFF REPORT

June 3, 2019

- a. 2015-004 Kinghorn Outlot A, Rogers.** This is a 31-acre site located between the Clam and Fed Ex sites on the west side of Brockton Road and I-94. The proposed site will have two warehouse buildings with associated parking and loading facilities. In June 2015 the Commission approved this project with three conditions. Revisions have yet to meet the Commission's approval conditions. This project was extended by the City of Rogers earlier this year. It will remain active on the Staff Report.
- b. 2016-040 Kinghorn 4th Addition, Rogers.** This is a 13.7-acre parcel located in the northwest corner of the intersection of Brockton Lane and Rogers Drive. An industrial warehouse with 8.8 acres of new impervious area is proposed for the site. The plan includes the use of a NURP pond and a biofiltration basin to meet Commission requirements for rates, water quality and abstraction. The adjacent site is likely to be developed in the near future and some of the stormwater features were oversized to accommodate this future development. In November 2016 the Commission approved the project conditioned on: 1) approval of only this phase; future phases will need additional review and approval; 2) final modifications to the hydrologic modeling; 3) additional details are provided for a proposed water re-use system; 4) an O&M Plan for the pond and biofiltration basin is completed and recorded on the final plat; 5) modification of the storm sewer system to maximize the area draining to the NURP pond; and 6) receipt and review of wetland-related documentation if wetlands are present. Condition #1 required no action, so has been met. Condition #2 has been met for the current design; however, any future design modifications will require additional review. Conditions #3-6 remain outstanding and are expected to be addressed during final design. Staff has discussed the project with the City and been in contact with the project engineer to receive an update, but no new information has been provided.
- c. 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 their findings dated January 10, 2017, Staff recommended approval of this project subject to (1) receipt, approval, and recordation of an Operations and Maintenance Plan for the pond and the iron-enhanced filtration system, (2) revisions for items relating to buffer requirements and erosion and sediment control as enumerated in the findings, and (3) receipt of a signed and dated final plan set. The Commission approved Staff's recommendations at their January 11, 2017 meeting with the additional requirement that the Commission receive and comment on a WCA impact notice. No new information has been received to date.
- d. 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 includes two phases of construction. Phase I is 236 apartment units located on 6.0 acres; Phase II is a future 76-unit apartment building located on 2.2 acres in Outlot C of this development. The Commission will review this project for conformance to Rules D, E and I. Findings with no recommendations dated November 15, 2017, were provided to the applicant and the City. The applicant requested and was granted an extension

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

of the deadline per MN statute 15.99 to December 31, 2019. According to the agent for this project, a new layout and project application was submitted to Maple Grove in January 2019 and the project is still considered active by the City. No new information has been received by Commission staff as of this update.

e. 2017-050W Ernie Mayers Wetland/floodplain violation, Corcoran. The City of Corcoran contacted the Commission in December 2017 concerning drainage complaints on Mayers' property. Multiple violations appear to have occurred on land owned by Mayers. Technical Evaluation Panels (TEPs) were held in 2017 and 2018 to assess the nature and extent of the violations. A restoration order was issued to Mayers giving him until September 15, 2018 to respond or restore the violation areas to their original conditions. A request from Mayers' attorney for an extension to November 1, 2018 was granted by the DNR. This was further extended to November 1, 2019. On October 30, 2018, an appeal to the restoration order was received by BWSR. BWSR issued an order of abeyance (stay) on the appeal until April 1, 2019. An application for 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 March 1, 2019. Corcoran and BWSR have extended the decision process until *July 30, 2019*.

f. 2018-014 Refuge at Rush Creek (formerly Fehn Meadows 2nd Addition), Corcoran. The site is currently a 63-acre agricultural property located west of Cain Road on CR 117. The applicant proposes to subdivide the site into 14 residential lots. Public road and trail access will impact two wetland basins, totaling 16,537 SF of type 1 wetland impacts. Replacement at a 2:1 ratio in Bank Service Area (BSA) 7, Major Watershed 20 (Metro Mississippi), is proposed. The wetland replacement plan has been noticed per WCA requirements. The Commission approved this project with conditions at their August meeting: (1) Certification from MN BWSR that 0.7593 acres of wetland banking credits from account #1643 have been transferred for use on this site or an escrow of \$90,000 is received from the applicant, (2) Preservation and buffer areas meet the Commission and City requirements for buffer and preservation, (3) \$4,000 per acre escrow is secured by the Commission for buffer/preservation compliance and 5-year monitoring plan, and (4) operation and maintenance plans for stormwater ponds are approved by the Commission and the City and recorded on the property title. No new information has been received as of this update.

g. 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, 2019, provided the review process with the City of Rogers does not expire.

h. 2018-021 113th Lane Extension/Brockton/101, Rogers. The City is proposing to extend 113th Lane to provide a second access to the proposed second phase of the Laurel Creek development. The proposed road will extend from Brockton Lane to the development entrance. It will include a 4-lane divided roadway; an off-road trail north of 113th Lane; and construction of an intersection meeting County turn-lane requirements. The project will create 2.13 acres of new impervious surface. The project was conditionally approved at the July Commission meeting. The conditions include submittal of signed final plans and finalization of the wetland mitigation plan. *The City's consultant provided an updated set of plans to Staff on June 4. Staff will now review the updated plans to determine if the conditions for the approval have been met.*

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

- i. **2018-038 Vincent Woods, Rogers.** This 19 acre parcel was previously approved for eight apartment buildings by the Commission in 2015. The new site plans propose two apartment buildings with 4.25 acres of impervious areas. The project includes two stormwater ponds to provide water quality treatment and a filtration bench has been proposed in one of the ponds to meet the abstraction requirements which were not in place as of the last project approval. The Commission approved the project at their September 2018 meeting subject to submittal of minor revisions. Staff approval to begin grading prior to final approval was also provided. Staff recently received revised information to review for conformance with the minor revisions requested. Staff is following up on the current status of this project.
- j. **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 the City of Rogers to submit a letter 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
- k. **2019-001 Fernbrook View Apartments, Maple Grove.** This is a 4.85-acre rural residential lot located at the NE intersection of CSAH 81 at Fernbrook Lane. The applicant proposes to construct a 2-story, 42-unit apartment building. This project was reviewed and approved at the February 2019 Commission meeting with the following conditions: 1) The Commission recommends 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. This project has been placed on hold by the applicant.
- l. **2019-007 Westin Ridge, Plymouth.** This project is proposed on four individual parcels totaling approximately 75 acres. Located at the SE intersection of CSAH 101 and 47, the entire site flows to a large onsite wetland that takes up approximately the southerly 1/3 of the properties. This wetland discharges easterly into a chain of wetlands that run for about a mile before reaching Elm Creek on the east side of Peony Lane. The site will be developed into 122 single family detached residential lots. The Commission's review was for Rules D, E and I. Staff recommended approval contingent upon compliance with Plymouth's (LGU) wetland replacement plan requirements. *Staff's recommendation was approved by the Commission at their May 8, 2019 meeting. This item will be removed from the report.*
- m. **2019-009 Beacon Ridge, Plymouth.** This project proposes to redevelop a low-density residential area with three large, wooded lots into a medium density residential area with 37 single-family homes. Stormwater controls will be completed by the construction of one new wet detention pond with a filtration shelf, connection to existing storm water features via storm sewer, and direct runoff to the development to the North. The project will add approximately 3.91 new acres of impervious area. Despite the change in density, the developer has made efforts to preserve trees. *This project was approved by the Commission at their May 8, 2019 meeting and will be removed from the report.*
- n. **2019-010 Hindu Temple Solar Array, Maple Grove.** This project proposes the installation of a solar array for electrical power generation at the Hindu Temple Site. The size of the array is small enough that it would typically not require review by the Commission. However, portions of the array are proposed to be located in the floodplain and floodway of Rush Creek, triggering review by the Commission. *This project was*

was approved by the Commission at their May 8, 2019 meeting and will be removed from the report.

o. 2019-011 Ravinia 11th Addition, Corcoran. This project is a 5.6-acre, rural residential lot located on CR 101, approximately one-quarter mile north of the four-corner intersection of Maple Grove, Plymouth, Medina and Corcoran. Lennar Homes is proposing to subdivide the property into 14 single-family residential lots. This project triggers the Commission's review for Rules D, E, G, and I. The project was approved by the Commission at their May 8, 2019 meeting contingent upon wetland buffers and long term stormwater ponding O & M plans meeting the Commission's standards. Both items have been satisfied. This item will be removed from the report.

p. 2019-012 Brockton Lane North, Plymouth. This road improvement project will convert the current rural road to an urban section. It includes the addition of curb and gutter and storm sewer catch basins. Pre- and post-construction water conveyance will remain the same. Staff reviewed and approved the site plans for erosion and sediment control and stormwater conveyance. This project will be removed from the report.

q. 2019-013 Boston Scientific Parking Lot Expansion, Maple Grove. Boston Scientific is proposing to reconfigure a portion of their parking lot and add additional parking stalls, thereby increasing their impervious footprint by 1.18 acres. This will trigger Commission rules D and E. Findings are included in this month's packet. Staff Recommends approval of this project.

r. 2019-014 Bellwether 2nd Addition, Corcoran. This is the second phase of the Encore Project. The first phase (ECWMC project 2018-032) was approved by the Commission on October 10, 2018. That approval covered the overall stormwater management plan and the grading, erosion controls and WCA issues for phase one. Commission approvals are good for one year, so the 2nd Addition's review for grading and erosion control will fall under the 2018-032 application and fee. The 2nd Addition will be reviewed for consistency with the approved stormwater management plan, erosion controls and compliance with the Commission's wetland buffer rules. The alternative buffer method for this project on wetland 20 was discussed at the May Commission meeting. Based on the Commission's discussion of this buffer and the overall site plan, Staff administratively approved this site plan. Staff's findings and decision are in this month's packet. This project will be removed from the report.

s. 2019-015 Timbers Edge, Plymouth. *This project is approximately 18.7 acres in size, located on the west side of Holly Lane and across from the Hollydale Golf Course. It is currently a wooded lot with an existing parking lot, and the proposed project would construct 40 single-family homes, resulting in 4.6 acres of new impervious area. Stormwater is to be managed with a stormwater pond and a sand filtration system. Staff is currently reviewing the plans and, if available, a recommendation will be provided to the Commission for their consideration.*

t. 2019-016 Rogers Retail Development, Rogers. *This project is located at the SW intersection of Highway 81 and I-94. It is a 1.38-acre retail/commercial parcel that has an existing restaurant building on it. The applicant is proposing to demolish the existing building and construct two separate buildings on the lot. This project is considered a complete redevelopment of the parcel and will be reviewed for compliance with Rules D and E. Staff has no recommendation to the Commission from their initial findings.*

u. 2019-017 French Lake Industrial Park, Dayton. *A new site plan was submitted for review based on the Commission's approval of project 2015-011. Based on the 2015-011 project review and approval, unless there are substantive changes to the grading or stormwater, no additional review by the Commission would be necessary. Site plans provided by the applicant indicated enough changes to the original stormwater*

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Italics indicates new information

indicates enclosure

management plan, that a new application for review and approval was required. Plans are currently under review by Staff. If available a recommendation will be provided to the Commission for their consideration. A copy the *findings from project 2015-011* are included in the meeting packet for reference.

v. 2019-018 Peony Lane Trail, Plymouth. The City of Plymouth proposes to construct a trailhead facility along the east side of Peony Lane N near 51st Avenue. The project will span two construction seasons. During the 2019 construction season, two parking lots (north and south lots), a 12-foot wide trail connecting the two lots, a box culvert trail crossing of Elm Creek, and a playground area are proposed to be constructed. A patio area and three-season event facility are proposed to be constructed during the 2020 construction season. The Commission will review this site for compliance to Rules D, E and F. This project was submitted too late to include in this Staff report. If available a review and recommendation will be provided to the Commission for their consideration at the meeting.

w. 2019-019 Primrose, Rogers. This is a new daycare facility located on 2.3 acres at the SW corner of 135th Street and Commerce Boulevard. Regional stormwater facilities were designed to treat TSS and TP from this site, but with the Commission's Third Generation plan the applicant must account for abstraction from their new impervious areas (Rule D) and comply with Rule E. This project was submitted too late to include in this staff report. If available a review and recommendation will be provided to the Commission for their consideration at the meeting.

FINAL RECORDINGS OR OTHER DOCUMENTATION ARE DUE ON THE FOLLOWING PROJECTS: (Staff reached out to the cities for an update on these projects on February 5, 2019.)

ag. 2013-046 Woods of Medina, Medina. In January 2015 the Commission approved this project with two conditions. This project remained active throughout this period with the final plat recently approved by the City. No significant changes were made to the original plans. The two conditions were 1) compliance to the WCA requirements and 2) final approval and recording of the O & M plans. The WCA condition has been met with only the O&M plan condition remaining. On February 5, 2019 Dusty Finke reported that the City is awaiting final plat application for this project.

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.

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 some minor layout revisions were reviewed by Staff and administratively approved on July 24, 2018, contingent upon the Operation and Maintenance Plan approval and recordings. On February 5, 2019 Derek Asche contacted the project manager requesting a copy of the recorded maintenance agreement.

ak. 2016-005W Ravinia Wetland Replacement Plan, Corcoran. In December 2016 the Commission approved Staff's

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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 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

al. 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.

am. 2017-017 Mary Queen of Peace Catholic Church, Rogers. In June 2017 the Commission granted Staff approval authority pending satisfactory compliance with Staff's findings. All items from the findings have been completed with the exception of the O&M agreement for the stormwater facilities. On June 7, 2018 Andrew Simmons reported that the Church is in the process of revising the stormwater management plan for the site to include water reuse instead of biofiltration pond. The Commission should receive a revised application in the near future. There are also underlying utility easement issues with this project that are holding up the final recording of the plat against which to record the maintenance agreement. *On February 5, 2019 Andrew Simmons reported that the final plat has yet to be recorded.*

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 with the submission of revised plans, with the exception of 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 this spring. 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 addition).

ao. 2018-018 Summers Edge Phase III, Plymouth. The Commission approved Staff's recommendations at their June 13, 2018 meeting, subject to receipt of final easements over the wetland buffers within 90 days of final platting in a format acceptable to the Commission. *On February 5, 2019 Ben Scharenbroich provided an unsigned copy of the final plat.*

ap. 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 of Maple Grove 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.*

aq. 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. *Derek Asche contacted the project manager on February 5, 2019. It is a condition of the grading permit that the maintenance agreement is provided.*

ar. 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 operation and maintenance plan being recorded on the property title. *On February 5, 2019 Dusty Finke reported that the City is awaiting final plat application for this project.*

as. 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 meeting conditioned upon receipt of a SWPPP meeting NPDES requirements and the City of Dayton 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 is expected activity will resume this spring, with potential construction this summer.

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's 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.

LOCAL PLANS

One local plan remains to be approved by the Commission. **Rogers'** 2040 Comprehensive Plan was received by the Commission on January 2, 2019. Staff comments have been provided to the City.

FEMA FLOODPLAIN MAPPING

Hydrologic modeling work and supporting GIS work has continued over the past month in support of this project. A submittal to the Minnesota DNR is imminent, triggering review and concurrence with the modeling and results. Hydraulic modeling will begin after this submittal is made. Staff plans to present information at the meeting this month showing current results.

RUSH CREEK SWA IMPLEMENTATION

The Hennepin County Board signed the grant agreement on March 12, 2019. *Staff are making site visits and completing designs on five manure management projects. Two are in Corcoran, and three are in Rogers. Additional site visits are pending for seven landowners.*

BUFFER REVIEW

Buffer review is underway for Corcoran, Rogers, and Medina. Residents with **potential violations** and those residents that are **receiving spot checks** (unrelated to violations) will be notified by US Mail. Those residents who **DO NOT** have any violation or will not be getting a spot check will **NOT** be notified in any way. Hennepin staff will work with those residents needing assistance to get into compliance. *The state has requested a list of non-compliant parcels this year even if Hennepin staff are still working with them – violation corrections are being accelerated this round.*

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ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
E-mail: judie@jass.biz

TECHNICAL OFFICE
Hennepin County Public Works
Department of Environment and Energy
701 Fourth Ave. South, Suite 700
Minneapolis, MN 55415
PH: 612.348.7338
E-mail: james.kujawa@hennepin.us

Boston Scientific Parking Expansion
Maple Grove
Project #2019-013

Project Overview: Boston Scientific is proposing to reconfigure a portion of their parking lot and add additional parking stalls, thereby increasing their impervious footprint by 1.18 acres. This will trigger review of the site plans for conformance to Rule D (Stormwater Management) and Rule E (Erosion and Sediment Control)

Applicant: Boston Scientific, Attention Mike Helser, 1 Scimed Place, Maple Grove, MN 55311. Phone: 763-494-1737. Email: Mike.Helser@bsci.com.

Agent: Loucks Inc., Attention Mike St. Martin, 7200 hemlock Lane, Suite 300, Maple Grove, MN 55369. Phone: 763-496-6713. Email: mstmartin@loucksinc.com

Exhibits:

- 1) Elm Creek Watershed Management Commission Request for Plan Review and Approval received April 29, 2019 with application fee of \$327.50.
- 2) Boston Scientific Existing and Proposed HydroCAD reports dated April 19, 2019.
- 3) MIDS Calculator for existing and proposed areas with existing cistern and ponding.
- 4) Boston Scientific Drainage Area map and table.
- 5) Boston Scientific Parking Improvements Construction Document Set by Loucks Associates dated April 26, 2019.
 - a. Sheet C1-0, Existing Conditions.
 - b. Sheets C1-1 and C1-2, Demolitions Plan
 - c. Sheets C2-1 and C2-2, Site Plans
 - d. Sheets C3-1 and C3-2, Grading Plans
 - e. Sheets C3-4 and C3-5, SWPPP
 - f. Sheets C4-1 and C4-2, Utility Plans
 - g. Sheets C4-3 to C4-5, Drainage Area Maps
 - h. Sheet C8-1 Details
 - i. Sheets L1-1 and L1-2, Landscape Plans

Findings:

- 1) A complete application was received April 29, 2019. The initial 60-day decision period per MN Statute 15.99 expires June 28, 2019.
- 2) The project work will consist of reconfiguring a portion of their parking lot, adding additional parking stalls along the west edge of the existing lot and walkway access. There will be approximately 1.6 acres of disturbance and 1.18 acres of new impervious areas created by this work.
- 3) The applicant proposes to utilize extra capacity in their existing pond to meet the Commissions rate, phosphorus and TSS controls. In addition, they propose reuse of the runoff water for landscape irrigation to meet the Commissions abstraction requirements.
- 4) No wetland or floodplain impacts are proposed.
- 5) Erosion and sediment controls consist of storm-sewer inlet protections and bio-rolls along the perimeter of the existing pavement. We recommend the following sequencing and changes to the SWPPP;
 - a. Install the inlet protections per plan before construction begins.
 - b. Place bio-roll along the west edge of the existing parking lot to prevent sediment from entering the paved areas. Note: If item c. can be done on the same day as item a, place bio-roll along the edge of the new parking area per item d below.
 - c. Sub-cut the new parking area, using the 23" sub-cut area as temporary ponding and drainage during construction.
 - d. Move the bio-rolls along the new edge of the parking lot and cut-slope to act as erosion control until the landscaped area is restored with vegetation.

Stormwater Management

- 6) Rate controls will meet the Commission's requirements in the current stormwater management system in place; Boston Scientific completed an expansion to an existing stormwater pond in 2005. The ultimate land use treatment/management system approved is for a watershed area of 46.7 acres and an impervious area of 66.5% (33.1 acres). With this proposal, the watershed area is 46.7 acres with an impervious area of 58% (27.1 acres).

(Existing Pond)	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Ultimate-Development Rates*	1.9	12.8	32.4
Rates with this parking expansion*	1.5	9.3	29.6

* Note; these rate controls are determined from TP-40 data, not the current Atlas 14 data.

- 7) Abstraction requirements were not part of the watersheds requirements in 2005. With this expansion, the applicant must provide for these requirements on the new impervious area of 1.18 acres per the Commissions updated stormwater management plan.
 - a. To meet our requirements, the applicant uses the stormwater pond to irrigate 1.17 acres of their property.
 - b. Abstraction required for the new impervious area of 1.18 acres will be 3,894 cubic feet.

- c. Based on the Ramsey-Washington Metro Watershed District irrigation calculator, the actual abstraction credits available from irrigation will be 4,977 cubic feet. This will meet the Commission requirements.
- 8) Phosphorus and TSS requirements are assumed to be met by the existing stormwater management plan up to the ultimate build-out of the original assumptions on site (66.5% impervious area). At the time of the original review the Commission required > 60% pond treatment efficiency and post-development loads less than or equal to pre-development loads. These requirements are still the same today.

Recommendation:

Staff recommends Commission approval of the site plans.

Note; if the applicant wishes to proceed with grading before the Commission's decision (expected at their next meeting on June 12, 2019), they may do so contingent upon;

- 1) The applicant assuming any and all risks associated with changes to the site plans necessary to comply with the Commission's decision, and
- 2) The applicant receives the appropriate permits from the City of Maple Grove.

Hennepin County
Department of Environment and Energy
Advisor to the Commission



May 13, 2019

Location Map



Site Plan Overview



Elm Creek Watershed Management Commission - Proposed 2020 Operating Budget

	A	B	C	D	AR	AS	AT	AU	AV	AW	AX	AY	AZ
3					2017 Budget	2017 Final	2018 Budget		Prelim 2018 Audit	2019 Budget		2020 Budget	
4	GENERAL OPERATING BUDGET												
5	Operating Expenses												
6		Administrative			90,000	86,212	90,000		84,728	90,000		90,000	
7		Watershed-wide TMDL Admin					2,500	implementation		1,500		300	
8	Grant Writing				5,000	0	4,000			4,000		1,000	
9	Website				6,000	1,807	6,000	added Facebook	1,973	5,000		3,000	
10	Legal Services				2,000	0	2,000		271	2,000		2,000	
11	Audit				5,000	4,500	5,000		4,500	5,000		5,000	
12	Insurance	(dividend 2017 = \$487)			3,800	2,355	3,900		2,993	3,900		3,900	
13	Technical support - HCEE											15,000	
14	Contingency				2,000	983	1,000			1,000		1,000	
15				Subtotal	113,800	95,857	114,400		94,465	112,400		121,200	
16	Project Reviews												
17		Technical - HCEE			98,000	90,970	95,000		92,477	97,400		0	
18		Technical - HCEE - Floodplain modeling					46,386	revision to 2018 Budget	7,027	46,386		39,360	
19		Technical Support - Consultant			15,000	8,424	12,000		37,553	15,000		185,000	
20		Admin Support			11,000	13,425	14,000		13,543	15,000		15,000	
21				Subtotal	124,000	112,819	167,386		150,600	173,786		239,360	
22	Wetland Conservation Act												
23		WCA Expense - HCEE			12,000	12,178	17,750		15,886	18,200		3,000	
24		WCA Expense - Legal			500	512	500		683	500		500	
25		WCA Expense - Admin			2,000	1,680	1,500		3,388	2,000		1,000	
26				Subtotal	14,500	14,370	19,750		19,957	20,700		4,500	
27	Water Monitoring												
28		Stream Monitoring											
29		Stream Monitoring - USGS			24,177	24,177	24,900		21,660	41,000	biennial contract	24,000	
30		Stream Monitoring - TRPD								6,225			
31		Extensive Stream Monitoring			7,000	7,120	7,600		7,600	650		7,200	
32		DO Longitudinal Survey			500	500	1,000		1,000			1,000	
33		Gauging Station - Elec Bill			220	206	250		208	250		250	
34		Rain Gauge Network			100		100			100		100	
35		Lake Monitoring											
36		Lake Monitoring - CAMP			1,200	200	720		550	760		760	
37		Lake Monitoring - TRPD											
38		Sentinel Lakes			2,470	2,325	3,300		3,300	8,100		8,100	
39		Additional lake			618	775	825			1,500		2,500	
40		Aquatic Vegetation Surveys			1,029		1,100		1,100	325		1,100	
41	v	Source Assessment			2,000		0						
42	v	Watershed-wide TMDL - Followup - TRPD			10,000	668	5,000			2,500		1,000	
43		Wetland Monitoring - WHEP			4,000	4,000	4,000		4,000	4,000		4,000	
45				Subtotal	53,314	39,971	48,795		39,418	65,410		50,010	
46	Education												
47		Education - City/Citizen Programs			4,000	4,066	4,000		2,269	4,000		3,000	
49		WMWA General Admin			4,000	3,750	4,000		2,000	5,000		5,000	
50		WMWA Implementa Activities incl Watershed			6,000	6,000	6,500		3,250	6,500		6,500	
52		R Garden Workshop/Intensive BMPs			2,000	2,294	2,000		2,924	2,000		3,000	
53		Education Grants			2,000	225	2,000			1,000		1,000	
54		Macroinvertebrate Monitoring-River Watch			6,000	5,000	3,000		3,000	3,000		3,000	
55		Ag Specialist											
56				Subtotal	24,000	21,335	21,500		13,443	21,500		21,500	
61	Management Plan												
62		Plan Amendments			5,000	1,370	2,000		1,388	2,000		2,000	
63		Local Plan Review			2,000		8,000	incl. in line 17					
64		Contribution to 4th Generation Plan						Consider \$10,000/set-aside beginning 2020					Consider \$10,000/set-aside beginning 2021
65				Subtotal	7,000	1,370	10,000		1,388	2,000		2,000	
66	CIPs, Grants, Special Projects, Studies												
67		Capital Outlay - CIPs - Ad Valorem			249,000	2,244	490,000		323,545	462,500		448,935	\$423,323 adjusted for admin exp, levy shortfall
68		Grants				212,076			27,631			125,000	
69		Projects ineligible for ad valorem			50,000		50,000		0			0	\$50,000 (2019) reassigned to Genl Fund 5/8/2019
73		Studies, Subwatershed Assessments			35,000	4,000	35,000		3,534	35,000		0	
74		Cash Sureties							165,571				
76				Subtotal	334,000	218,320	575,000		520,281	497,500		573,935	
79	Contingency				0		0		0	0		0	
80				Subtotal	0	0	0		0	0		0	
81	Total Op Exp (lines 15,21,26,45,56,65,76,80)				670,614	504,042	956,831	0	839,552	893,296	0	1,012,505	

Elm Creek Watershed Management Commission - Proposed 2020 Operating Budget

item 04b

	A	B	C	D	AR	AS	AT	AU	AV	AW	AX	AY	AZ
82													
83	Revenue												
84		CIPs - Ad Valorem			249,000	494,330	490,000		436,393	462,500		448,935	\$423,323 adjusted for admin exp, levy shortfall
85		Grant Revenue				125,140			167,855			100,000	
86		Floodplain Modeling					46,386			46,386		39,360	
87		Project Review Fees			100,000	78,125	80,000		73,305	80,000		80,000	
88		Water Monitoring - TRPD Co-op Agmt			6,500	5,036	6,500		5,000	5,000		5,500	
89		BMP Implementation											
90		WCA Fees			8,000	4,700	10,000		3,450	5,000		0	
91		Forfeited/Reimbursed Sureties, Reimbursement from LGUs			0	2,289	0		2,733	4,000			
92		Membership Dues			219,700	219,700	225,000	2.415% increase	225,000	230,400	3% increase	237,300	
93		Watershed-wide TMDL											
94		Interest Income			100	5,921	250		18,382	2,500		8,000	
95		Dividend Income					750		223	500		250	
96		Miscellaneous Income											
97													
98		Total Operating Revenue (lines 84-97)			583,300	935,241	858,886	0	932,341	836,286	0	919,345	
99		Surplus (Deficit) (lines 81, 98)			87,314	431,199	97,945	0	92,789	57,010	0	93,160	
100													
101		Assets											
102		Cash and investments				959,050			1,204,595	Cash on hand			
103		Restricted cash				150,571			98,444	Lines 109 and 110 below, includes Comm invoices outstanding plus Flood Mapping expenses unpaid			
104		Accounts Receivable				10,262			15,167				
105		Total Assets				1,119,883			1,318,206	A			
106													
107		Liabilities and Fund Balances											
108		Accounts payable				54,320			107,830	includes Commission expenses paid and WCA escrow returned in Jan 2019			
109		WCA Escrows				150,571			30,000				
110		Unearned Revenue							68,444	includes unearned revenue from Fish Lake and Watershed Based grants			
111		Total Liabilities				204,891			206,274	B			
112													
113		Fund Balances											
114		Restricted for CIPs				621,135			732,761				
115		Closed Project Account							1,222	funds remaining after project closed, to be designated for future CIPs only			
116						621,135			733,983	C			
117													
118		Assigned for projects, studies				143,832			225,297				
119		Assigned for other				0			0				
120		Total Assigned Funds				143,832			225,297	D			
121													
122		Unrestricted/unassigned fund balances				150,025		E = A minus B minus C minus D	152,651	Funds not designated for any specific purpose		2,481	AV122 minus AW99 minus AY99 (this is a plus number)
123						150,025			152,651	E			
124													
125		Total Fund Balance/Net position				914,992		C+D+E	1,111,931	F			
126													
127		Total Liabilities and fund balances				1,119,883		B+F	1,318,205	G			
128													
129										2019 Restricted			
130										Fish Lake alum 2		18,868	
131										Diamond Lake SWA		7,500	
132										Corcoran SWA		8,820	
133										Rice Lake Treatment			
134												35,188	
135													

**Elm Creek Watershed Management Commission
2020 Member Assessments**

2018	2017 Taxable Market Value	2018 Budget Share		Increase over Prev Year	
		%age	Dollars	%age	Dollars
Champlin	435,155,559	3.82%	8,593.96	1.60%	136
Corcoran	742,511,061	6.52%	14,663.98	0.28%	40
Dayton	563,384,729	4.95%	11,126.38	7.68%	794
Maple Grove	5,908,582,953	51.86%	116,689.62	0.20%	234
Medina	950,777,365	8.35%	18,777.07	2.26%	415
Plymouth	1,108,795,705	9.73%	21,897.80	17.32%	3,233
Rogers	1,683,675,595	14.78%	33,251.20	1.36%	448
Totals	11,392,882,967	100.00%	225,000.00	2.41%	5,300
2019	2018 Taxable Market Value	2019 Budget Share		Increase over Prev Year	
		%age	Dollars	%age	Dollars
Champlin	482,451,066	3.96%	9,131.64	6.26%	538
Corcoran	805,284,845	6.62%	15,242.10	3.94%	578
Dayton	657,235,681	5.40%	12,439.89	11.81%	1,314
Maple Grove	6,195,629,078	50.90%	117,268.32	0.50%	579
Medina	1,017,473,342	8.36%	19,258.32	2.56%	481
Plymouth	1,218,746,394	10.01%	23,067.93	5.34%	1,170
Rogers	1,795,887,426	14.75%	33,991.82	2.23%	741
Totals	12,172,707,832	100.00%	230,400.00	2.40%	5,400
2020	2019 Taxable Market Value	2019 Budget Share		Increase over Prev Year	
		%age	Dollars	%age	Dollars
	540,590,344	4.12%	9,768.39	2.99%	284
Corcoran	865,123,487	6.59%	15,632.66	2.99%	455
Dayton	749,481,401	5.71%	13,543.02	2.99%	394
Maple Grove	6,614,821,616	50.37%	119,528.89	2.99%	3,476
Medina	1,050,664,076	8.00%	18,985.35	2.99%	552
Plymouth	1,418,363,351	10.80%	25,629.62	2.99%	745
Rogers	1,893,322,435	14.42%	34,212.07	2.99%	995
Totals	13,132,366,710	100.00%	237,300.00	2.99%	6,900



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 4, 2019
Subject: Commissioner Handbook

It has been a number of years since the Commissioner Handbook has been updated. Since that time much of the information contained therein has been revised and/or updated. Likewise, new policies and procedures have been put in place.

Below is a draft of the table of contents for the 2019 edition of the handbook. Please take time to review these items. If there is additional information you would find useful, it can be incorporated into the handbook prior to its distribution.

Discussion: Would it be most useful to provide a link to the larger documents or include them in the handbook?

Metropolitan Area Surface Water Management

1. Water Management Authorities
 - a. Joint Powers Organizations
 - b. Watershed Districts

Elm Creek Watershed Management Commission

1. Commissioners ♦ TAC ♦ Staff
2. Watershed Map
3. Joint Powers Agreement
 - a. Rules of the Commission
 - b. Code of Ethics
4. Annual Activity Report

Local Water Management

1. Third Generation Watershed Management Plan
 - a. Plan Amendments
 - b. Capital Improvement Program
2. Local Water Management Planning

Stormwater Management

1. Stormwater Program for MS4s

Studies and Projects

1. Elm Creek Channel Study
2. Rush Creek Headwaters Subwatershed Assessment
3. Fish Lake, Maple Grove, Subwatershed Assessment

Water Partners and Websites

Glossary, Key Terms and Acronyms

Project Reviews

1. Application Form
 - a. Fee Schedule and Worksheet
(currently being revised)
2. Current Projects.

Total Maximum Daily Loads (TMDLs)

1. Background Information.
2. Elm Creek Watershed-wide TMDL.
3. Watershed Restoration and Protection Strategies (WRAPS)

Financials

1. Operating Budget
2. Member Assessments
3. Financial Audit Report

Commission Policies and Programs

1. Livestock Management Policy
2. Cost Share Policy
3. Closed Project Account Policy

Water Resources Monitoring

1. Stream Monitoring
 - a. RiverWatch
2. Lakes Monitoring
 - a. CAMP
3. Wetland Monitoring



May 13, 2019

Dear Judie,

The City of Medina apologizes for commenting after the public hearing on the recommendation for the Elm Creek Watershed Management Commission to move forward with the Minor Plan Amendment Plan to spend \$75,000 in cost share for the purchase of an enhanced street sweeper.

The ECWMC member cities' fees, grant money and Ad Valorem taxes have traditionally been spent on water quality improvement projects, rather than on equipment that would typically be within a city's CIP budget item.

Item 5 of Plymouth's CIP Project Submittal form notes the effectiveness of vacuum sweeping as a Best Management Practice for preventing significant amounts of phosphorous, 65 pounds per sweep, nitrogen 435 pounds per sweep and chloride 11 pounds per sweep, from draining into waterways; such reductions of load are much to be desired. However, Medina needs more information before agreeing to this cost share and the City has the following questions:

- a) Upon what studies are the above figures based?
- b) Will Plymouth own one enhanced street sweeper to sweep the entire city?
- c) With this in mind, how frequently can the City of Plymouth hope to sweep its streets?
- d) Some 10 percent of Plymouth lies within the Elm Creek Watershed. Are the amounts that other Plymouth watershed are asked to contribute to the enhanced sweeper pro-rated for the curb-miles within their watersheds?
- e) Does this cost share support equipment that augments a regular street sweeper, or a vacuum-designed of sweeper?

The City of Medina is interested in enhanced street sweeping if it proves to be an effective tool in reducing pollution load into waterways. At this time, we need more information before the city of Medina can support the requested ECWMC cost share.

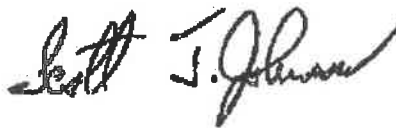
We look forward to learning more,

Yours Sincerely

Sincerely,

A handwritten signature in cursive script, appearing to read "Elizabeth Weir".

Elizabeth Weir
Elm Creek Commissioner

A handwritten signature in cursive script, appearing to read "Scott J. Johnson".

Scott Johnson
City Administrator

elm creek

Watershed Management Commission

ADMINISTRATIVE OFFICE
 3235 Fernbrook Lane
 Plymouth, MN 55447
 PH: 763.553.1144
 FAX: 763.553.9326
 email: judie@jass.biz
 www.elmcreekwatershed.org

TECHNICAL OFFICE
 Hennepin County
 Dept. of Environment & Energy
 701 Fourth Ave S Suite 700
 Minneapolis, MN 55415-1600
 PH: 612.348.7338
 FAX: 612.348.8532
 email: James.Kujawa@co.hennepin.mn.us

May 10, 2019

Ms. Karen Galles
 Hennepin County Environment and Energy
 701 Fourth Avenue South, Suite 700
 Minneapolis, MN 55415-1600

via email

RE: Maximum Capital Project Levy 2019

Dear Ms. Galles:

This letter is to inform you that the Elm Creek Watershed Management Commission has estimated a maximum 2019 special projects levy of \$448,935. The Commission expects to hold a public hearing and certify a levy for six projects on September 11, 2019. A Minor Plan Amendment revising the 2019 CIP was approved at the Commission's May 8, 2019 meeting. Short descriptions of the six projects are provided below.

<u>Project 2019-01</u>	Rush Creek Main Stem Stream Stabilization Phase 3
Location:	East of I-94, west of Fernbrook Lane, Maple Grove
Project Description:	Stabilize and restore approximately 11,000 feet of Rush Creek
Proposed Levy:	\$26,513
<u>Project 2019-02</u>	Ranchview Wetland Restoration
Location:	north of Highway 610 and east of I-94, Maple Grove
Project Description:	Restore 70-acre wetland , improving wildlife habitat and flood storage functions.
Proposed Levy:	\$132,563
<u>Project 2019-03</u>	Rush Creek SWA Cost-Share Projects/Ag BMP Installations
Location:	cities of Rogers and Corcoran
Project Description:	Reduce pollutant loads to North Fork Rush Creek/Elm Creek.
Proposed Levy:	\$21,210
<u>Project 2019-04</u>	Hickory Drive Stormwater Improvement
Location:	3600 Hickory Drive, northeast of the Hickory Drive cul-de-sac, north of Hamel Road in Medina
Project Description:	Install stormwater pond for 8.3-acre drainage area, stabilize 3000 LF of gully erosion, install curb and storm sewer to capture and direct stormwater to improvements
Proposed Levy:	\$81,471

Karen Galles
May 10, 2019

Max Capital Levy
Page 2

Project 2019-05

Location:

Project Description

Proposed Levy:

Downtown Regional Stormwater Pond

Downtown Corcoran.

Clean out regional stormwater pond, retrofit with filtration for enhanced water quality treatment

\$28,103

Project 2019-06

Location:

Project Description

Proposed Levy:

Elm Creek Stream Restoration Phase IV

Approximately 2600 feet upstream of the Mill Pond, Champlin

Restore and protect 5,000 linear feet of Elm Creek

\$159,075

If you have any questions regarding these projects, please contact me at the phone number or email, above.

Sincerely,



Judie A. Anderson
Administrator
JAA:tim

Cc: Steve Christopher, BWSR

Z:\Elm Creek\CIPs\2019\L_initial levy amount 2019.doc

ELM CREEK WATERSHED MANAGEMENT COMMISSION CAPITAL IMPROVEMENT PROGRAM CLOSED PROJECT ACCOUNT POLICY

I. PURPOSE

The Commission's Capital Improvement Program (CIP) includes projects that are proposed to be funded by a County ad valorem tax levy on property in the watershed pursuant to Minn. Stat. §103B.251. Tax settlements from Hennepin County to the Commission for these projects are deposited in a construction account established for each such project. There will be times when tax settlements to the Commission exceed the costs incurred for CIP projects. The purpose of this policy is to establish procedures and guidelines for collection, accounting and use of these excess funds.

II. ESTABLISHMENT OF ACCOUNT

The Commission hereby establishes the CIP Closed Project Account (the "Account"). Upon completion of CIP projects funded in whole or in part by a County tax levy, reimbursement of Commission expenses and administrative charges, and final payment to the City with responsibility for construction of the project, the construction account for that project will be closed and remaining funds will be transferred to the Account. Interest earned on money in the Account will be credited to the Account.

III. USE OF THE CIP CLOSED PROJECT ACCOUNT

As a general guiding principle, the Account will be used for expenses incurred for other projects in the Commission's CIP that are proposed to be funded with a County tax levy. Such expenses include:

- A. The administrative and construction costs of CIP projects. Monies from the Account may be used to reduce or eliminate a tax levy for capital projects in the CIP by transferring monies to the construction accounts for those projects.
- B. Reimbursement to the Commission's General Fund of expenses or administrative fees incurred in connection with a project if the tax settlement for that project is not sufficient to cover such expenses.
- C. Reimbursement to cities that construct projects for administrative or construction costs if tax settlements received from the County are not sufficient to cover such costs. These costs might include cost overruns on projects, change orders, corrective follow-up work or repairs, or other unforeseen project costs.

- D. In order to minimize the occurrence of insufficient tax settlements received from the County, beginning with the 2019 levy (payable 2020):
1. Five percent (5%) will be added to the project cost for Commission administrative and other expenses. *(Example: \$100,000 project x 105.0% = \$105,000)*
 2. The Commission will certify 101 percent (101%) of the total project cost to cover levy short falls. *(Example: \$105,000 project x 101.0% = \$106,050)*

IV. PROCEDURE FOR USE OF ACCOUNTS

The Account may be used for any lawful purpose upon a majority vote of the Commissioners present at any meeting at which a quorum of the Commission is present.


V. TARGET ACCOUNT BALANCE

The Commission does not intend to accumulate unreasonable balances in the Account. Because the Account could be used to fund projects in advance of receipt of tax settlement from the County, and because projects in the CIP could reasonably be expected to have total costs, or annual project costs, of approximately \$100,000, the Commission finds that an accumulation of up to \$100,000 is reasonable. Money will not be accumulated to an amount in excess of \$100,000 unless a specific use for such funds has been identified. The Account balances may be kept within this amount by expending funds for any of the purposes identified in this policy.

VI. PERIODIC REVIEW

Each year the Commission will consider the status of the Account prior to certification to Hennepin County of requests for tax levies for capital projects.

ADOPTED NOVEMBER 14, 2018



item 07d

COMMUNITY BUCKTHORN REMOVAL EVENT

*For more details,
see reverse side*

June 15th
9:00 am - 11:00 am
Location: Dayspring Estates
Park
23775 Saddle Ridge Dr,
Rogers, MN 55374

THE CITY OF ROGERS
PUBLIC WORKS
DEPARTMENT

Please RSVP at
kjohnson@rogersmn.gov

Community Buckthorn Removal Event

Come join the City of Rogers Public Works Department in helping remove buckthorn from Day Spring Estates Park! Get outside and enjoy a beautiful park in Rogers while removing invasive plants from public land. We will meet at the parking lot just south of Trail Haven Rd and Sydney Way on Saturday June 15th at 9:00am. Please dress appropriately with closed toe shoes, sunscreen, bug spray, hat etc. and bring your own reusable water bottle. We will provide the necessary tools and instruction for removal as well as information for the City of Rogers new buckthorn removal tool rental program! Please RSVP at kjohnson@rogersmn.gov or (763) 428-0900 (ext 210).

elm creek

Watershed Management Commission

item 10o

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
E-mail: judie@jass.biz

TECHNICAL OFFICE
Hennepin County Public Works
Department of Environment and Energy
701 Fourth Ave. South, Suite 700
Minneapolis, MN 55415
PH: 612.348.7338
E-mail: james.kujawa@hennepin.us

Ravinia 11th Addition **Corcoran, Project #2019-011**

Project Overview: This project is a 5.6-acre, rural residential lot located on CR 101, approximately ¼ north of the four-corner intersection Maple Grove, Plymouth, Medina and Corcoran. Lennar Homes is proposing to subdivide the property into 14 single-family residential lots. This project triggers the Commission's review for Stormwater Management (Rule D), Erosion and Sediment Controls (Rule E), Wetland Alteration (Rule G), and Buffer Strips (Rule I) to their 3rd Generation STWMP Rules and Standards.

Applicant/Agent: US Home Corporation, Attention Paul Tabone. 16306 36th Ave. N Suite 600, Plymouth MN 55446. Phone: 952-247-3086. Email: Paultabone@lennar.com

Engineer: Sathre-Bergquist Inc., Attention Charles Wiemerslage, 150 South Broadway, Wayzata, MN 55391. Phone: 952-476-6000. Email: cwiemerslage@sathre.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval with fee, received April 10, 2019
- 2) Ravinia 11th Addition Preliminary Site Plans by Sathre-Bergquist Inc. dated December 18, 2018 with last revision date of March 19, 2019, except for Grading Plans updated on April 18, 2019.
 - a. Sheet 1 of 16, Title Sheet
 - b. Sheet 2-3 of 16, Final Street Plan
 - c. Sheets 4-5 of 16, Final Sanitary Sewer & Watermain Plan
 - d. Sheets 6-7 of 16, Final Storm Sewer Plan
 - e. Sheet 8 of 16, Final Grading Plan, last revision date of April 18, 2019
 - f. Sheet 9 of 16, Final Erosion Control Plan
 - g. Sheets 10-16 of 16 Details
 - h. Sheet TS, Tree Survey
 - i. Sheet 1 of 1, Alta/NSPS Land Title Survey dated December 4, 2018.
 - j. Sheets 1-2 of 2, Ravinia 11th Addition Plat
 - k. Sheet 1 of 1, Ravinia 11th Addition, Preliminary Plan with last revision date of March 19, 2019.
 - l. Ravinia 11th Addition lot tabulation
- 3) Wenck (city consultant) Ravinia 11th Addition review dated January 28, 2019 with redline response

- 4) Geotechnical Evaluation Report for Nichols Property dated January 7, 2019.
- 5) Nichols Stormwater Management Plan, by Advanced Engineering and Environmental Services dated March 15, 2019.
- 6) Ravinia overall density and phasing plan.

Findings:

- 1) A complete application was received on April 10, 2019. The initial decision period, per MN Statute 15.99 expires on June 9, 2019. Updated grading plans with wetland buffer revisions dated April 18, 2019 were received on May 22, 2019.
- 2) This site is in the Elm Creek watershed basin. It drains south and east under CR 47 and through a series of wetlands and floodplains before reaching Elm Creek in Plymouth, just east of Peony Lane.
- 3) The existing land use is a rural, single family residential lot. It has 0.53 acres of impervious surfaces and 5.06 acres of grass/woods/wetland/ponding areas.
- 4) The proposed land use will have 1.65 acres on new impervious surfaces (note, this includes 0.31 acres from future development to the south that will be treated in filter basin 21) and 4.06 acres of lawns/grass/woods/wetlands/ponding area.

Stormwater Management

- 5) One onsite filter basin is proposed in this addition.
- 6) There are three existing wetlands on this site that will not be impacted by this development.
 - a. Wetland 16 is along the west side of the development. A 21" pipe will route water from wetland 16 east into wetland 17.
 - b. Wetland 17 is on the south side of this development and drains to the south off site.
 - c. Wetland 15 is on the east side of the site and drains into an existing ditch/culvert on CR 110 that runs east into the Fieldstone development in Maple Grove.
 - i. The filter basin will drain into Wetland 15.
- 7) There are two discharge points from this development.
 - a. Water flowing into wetland #17 then south off site
 - b. Water flowing into Wetland #15 then into the CR 101 ditch culvert system.
- 8) Wetlands and filter basins will have drainage and utility easements placed over them as part of the platting process
- 9) The City of Corcoran requires landowners maintain stormwater basins. Lennar will be forming a Homeowners Association to operate and maintain this onsite filter basin.
 - a. An operation and maintenance agreement between the city and HOA must be approved and recorded on the land title.
- 10) When the area south of this development is platted, it is presumed that Road 2 in the 11th addition will terminate into a cul-de-sac with five additional lots on that property. The

stormwater filter basin on the 11th addition is proposed to treat this future development for rate, quantity and quality controls.

- 11) Rate controls will meet the Commission standards for 2, 10- and 100-year discharges. Based on the 2 main discharge points on this site, the rates will be as follows;

	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-Development Rates South (into Wetland 17)	6.3	13.1	22.5
Post-Development Rates South (into Wetland 17)	5.4	11.0	19.3
Pre-Development Rates East (into CR 101 ditch)	10.1	20.0	29.6
Post-Development Rates East (into CR 101 ditch)	7.6	19.6	28.3

- 12) Abstraction requirements will be for 1.65 acres new impervious areas on site and 0.31 acres of proposed new impervious areas for the future development to the south that will drain into the new filter basin in Ravinia 11th Addition. Total filtered abstraction required in this basin will be 1.96 new impervious areas, or 7,826 cubic feet. Actual filtration volume proposed will be 9,675 cubic feet, which will meet our abstraction requirements.
- Drawdown on the filter basin will be 23.7 hours.
 - A forebay will be constructed as part of this basin. Its size was based on 10% of the filtration volume, or 976 cubic feet.
- 13) Phosphorus and Total Suspended solids were analyzed using P8 for pre and post development. Both loads will be reduced after development vs pre-development. This will meet the Commission standard. Water quality and abstraction will be as follows;

Condition (based on 5.67 acres)	TP Load (lbs/yr)	TSS Load (lbs/yr)	Abstraction (cu. ft.)	Filtration (cu. ft.)	Annual Volume* (ac. ft.)
Pre-development (baseline)	2.3	733	N/A	N/A	4.04
Post-development without BMPs	5.0	1547		7826	
Post-development with BMPs	1.9	151		9675	4.65
Net Change	-0.4	-582	N/A	-1797	N/A

- 14) Wetland buffer widths as updated on the April 18, 2019 grading plans (received on May 21, 2019) meet the Commission standard of 10' minimum, 25' average.
- 15) The City of Corcoran is the LGU in charge of administering the MN WCA. There does not appear to be any impacts to the wetlands in this parcel.
- 16) Grading and erosion control plans meet the Commission's requirements.

Decision: The ECWMC approved the site plans on May 8, 2019 contingent upon;

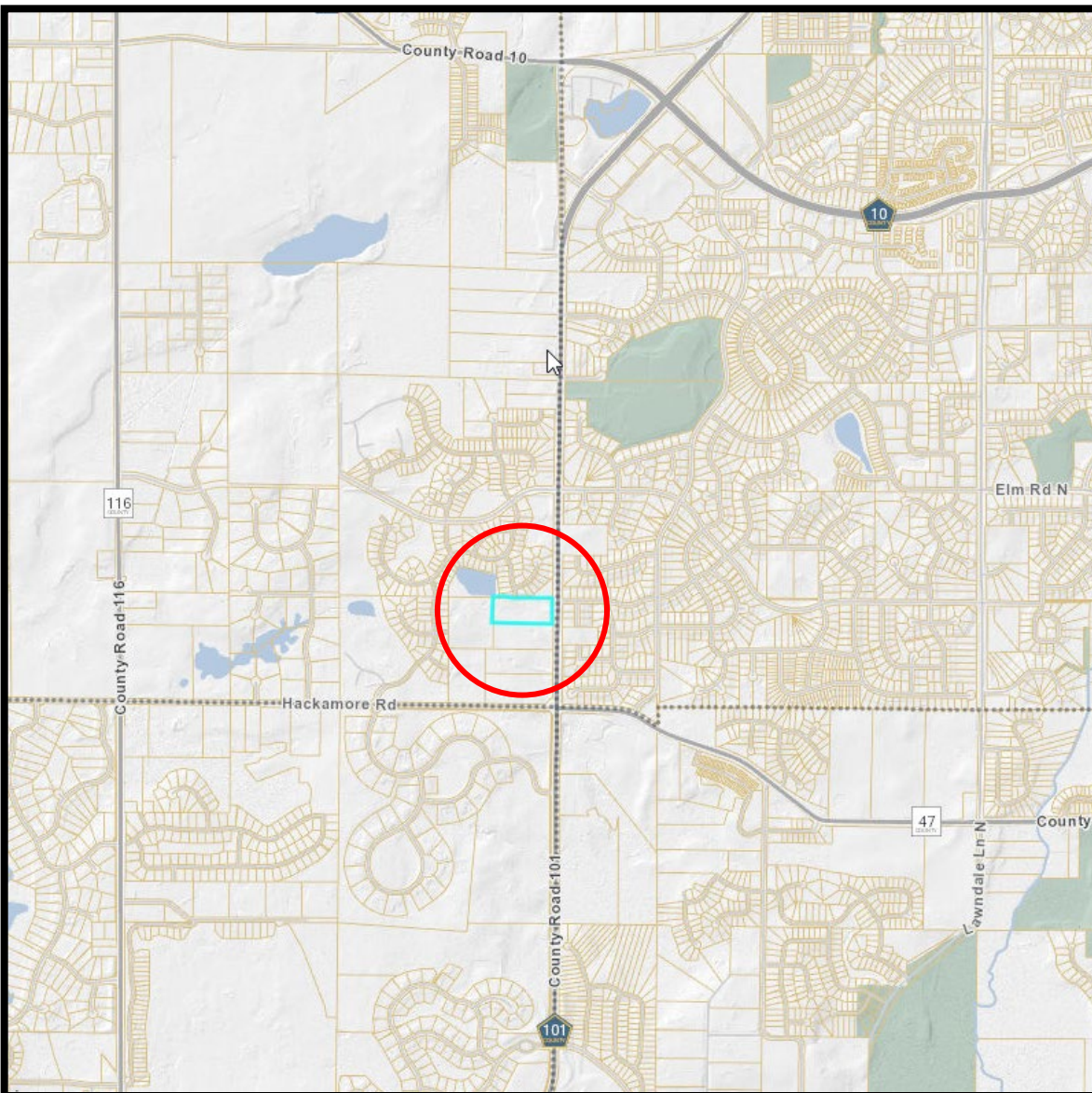
- Wetland Buffers must meet the ECWMC requirements**.
- An operation and maintenance agreement between the city and HOA must be approved and recorded on the land title on this property.

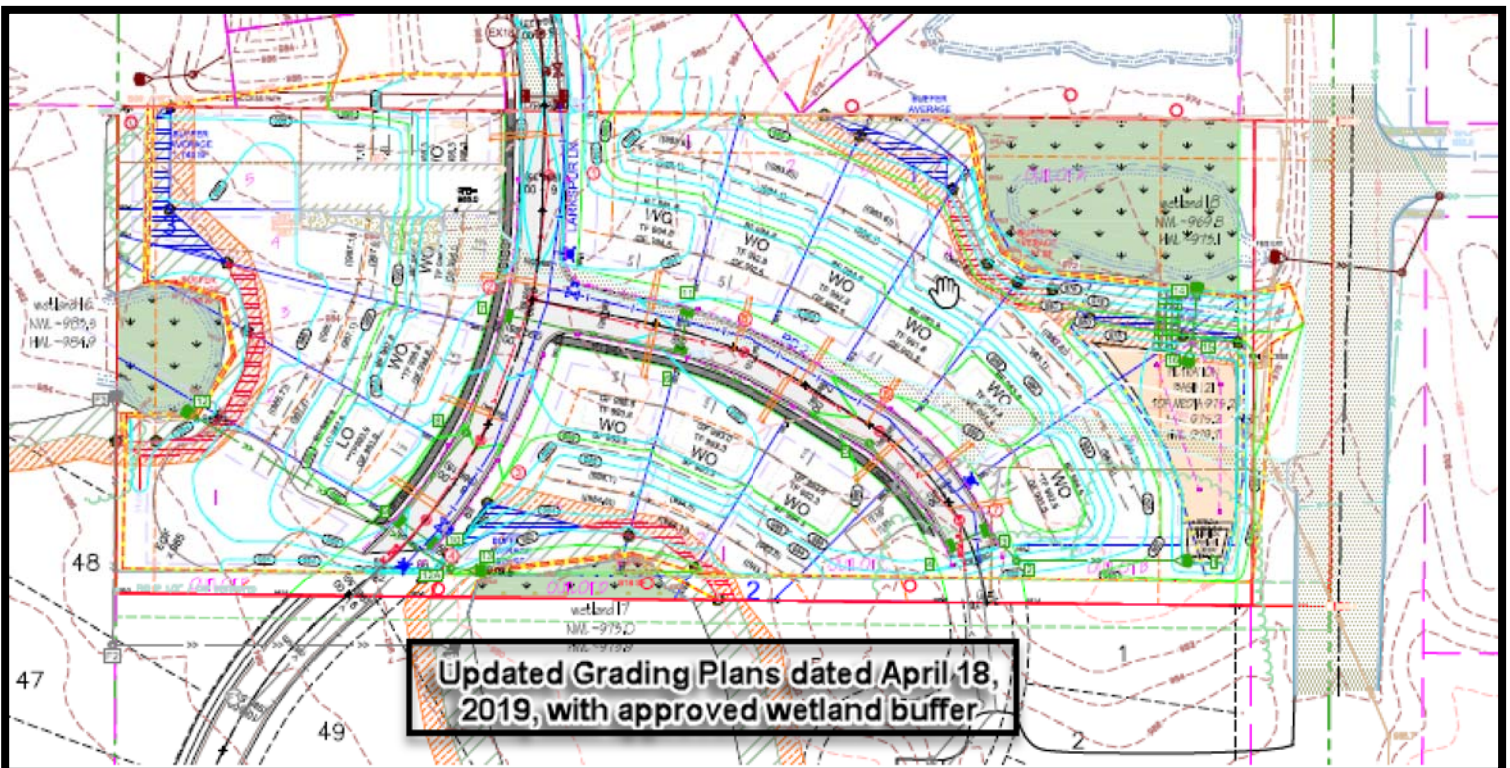
**Updated grading plans dated April 18, 2019, received on May 21, 2019 meet the Commission's buffer requirements

Hennepin County
Department of Environment and Energy
Advisor to the Commission



May 22, 2019





elm creek

Watershed Management Commission

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
E-mail: judie@jass.biz

TECHNICAL OFFICE
Hennepin County Public Works
Department of Environment and Energy
701 Fourth Ave. South, Suite 700
Minneapolis, MN 55415
PH: 612.348.7338
E-mail: james.kujawa@co.hennepin.mn.us

French Lake Industrial Center **City of Dayton, Project #2015-011**

Project Overview: This is 8 agricultural properties totaling 188 acres, proposed to be subdivided into an industrial/warehouse development. At this time, one lot and three outlots are proposed to be platted over the properties. The applicant is requesting review of the overall (188 acres) stormwater management plan, but of only phase I (50 acres) of the project area for grading and erosion control.

Applicant: Liberty Property Limited Partnership, Attn. Richard Weiblen, 10400 Viking Drive, Suite 130, Eden Prairie, MN 55344. Phone: 952-947-1100. Email: rweiblen@libertyproperty.com

Engineer/Agent: Sambatek, Attn. Mark Anderson, 12800 Whitewater Drive, Suite 300, Minnetonka, MN 55343. Phone: 763-259-6666. Email: manderson@sambatek.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval and fee, received April 27, 2015
- 2) Site plans, unsigned, last revision date of June 8, 2015
 - a. Sheet C1.01, Title Sheet
 - b. Sheets C2.01 & C2.02, Existing Conditions
 - c. Sheet C2.03, Tree Preservation and Removal Plan
 - d. Sheet C2.04, Tree Inventory
 - e. Sheets C3.01 & C3.02, Overall Site and Phasing Plan
 - f. Sheets C3.03 & C3.04, Alternative Site and Phasing Plan
 - g. Sheets C3.05 & C3.06, Preliminary Site Plan
 - h. Sheets C3.07 to C3.09, Preliminary Plat
 - i. Sheets C4.01 to C4.03, Preliminary Grading and Phase I Grading Plan
 - j. Sheets C5.01 to C5.03, Erosion Control Plan Phase I, and II and details
 - k. Sheets C6.01 & C6.02, Preliminary Sanitary and Watermain Plan
 - l. Sheets C7.01 & C7.02, Preliminary Storm Sewer Plan
 - m. Sheets L1.01 to L1.03, Landscape Plans
- 3) Preliminary Stormwater Management Plan by Sambatek dated May 11, 2015.
- 4) Stormwater Pollution Prevention Plan by Sambatek dated April 24, 2015.

- 5) Wetland Permit Application for French Lake Industrial Park by Sambatek dated January 23, 2015
 - a. LGU (Dayton) Notice of Application, wetland replacement plan, French Lake Industrial Park dated February 4, 2014.
 - b. LGU French Lake Industrial Park WCA compliance memo/email received April 27, 2015.

Findings:

- 1) A complete application was received on April 27, 2015. The initial 60-day review period per MN Statute 15.99 expires June 26, 2015.
- 2) Phase I grading provided for the ECWMC approval is the area north of the future W. French Lake Road (extension of Rogers Drive) and includes the two northerly most building pads and their associated parking along with W. French Lake Road which will truncate in a temporary cul-de-sac 1,875 into the site.
- 3) Stormwater management provided for the ECWMC approval is the complete build out of the site, approximately 188 acres.
- 4) Currently, this site drains to Grass and French Lake. Approximately 52 acres drains east toward French Lake and the remaining 136 acres drain to the north into Grass Lake.
- 5) Current impervious area on this property is 0 acres. Proposed is 55% (100 out of 188 acres)

Stormwater Management

- 6) There are 6 ponds and 5 biofiltration basins proposed. Four of those ponds will outlet into four of the biofiltration basins before discharging into wetlands or lakes. (Pond 1 will flow into biofiltration basin 1, Pond 3 will flow into biofiltration basin 3, Pond 5 will flow into biofiltration basin 5 and pond 11 will flow into biofiltration pond 11)
- 7) Pre and post development flow rates into each lake are as follows:

FRENCH LAKE	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-Development Rate	56.1	116.6	254.8
Post-Development Rate	21.9	42.1	105.1

GRASS LAKE	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-Development Rate	58.8	136.0	304.6
Post-Development Rate	52.6	109.6	239.2

- 8) Based on 1.1" of water runoff from 100 acres of new impervious areas, 9.3 acre feet of water abstraction is required per the Commission and MPCA requirements.
 - a. Abstraction credits proposed are 0.72 acre feet for preserving natural areas and additional buffering on wetlands within the development (an excess of 17.5 acres preserved or buffered).

- i. The preliminary plat or additional documentation must show all easement areas used for abstraction.
 - ii. A permanent conservation easement must protect the preservation areas. It must prescribe allowable uses and activities on the area and prevent future developed.
 - iii. Long-term vegetation management plans describing methods of maintaining the conservation area in a natural vegetation conditions must be submitted.
 - iv. Excess buffer areas must meet all the Commission's buffer requirements and must be monumented.
- 9) With the buffer and conservation easement credits, an additional 8.6 acre feet of water volume abstraction is still necessary. To achieve this the applicant proposes to utilize the stormwater ponds to irrigate 2.7 acres of the landscaped green areas in the development. Specific pump/filter/irrigation system plans and areas have not been determined but will be solidified at the time of the initial building permit application. Based on staff rough analysis, approximately 2.7 acre feet of abstraction will occur from irrigation

10) Pre and post development analysis are as follows;

Condition	TP Load (lbs./yr) (NURP)	TSS Load (lbs./yr) (MIDS)	Runoff volume (AF/yr.)
Pre-development (baseline) Load	136.0	40,252.0	N/A
Post-development Without Mitigation	570.8	34,391.0	9.3
Post-development With Mitigation	104.1	6,138.0	5.9
Net Change ("baseline" compared to "post-development with mitigation")	-31.9	-34,114	+3.4

- 11) Outlet control (and skimmer) structure details for all ponds and biofiltration basins must be provided on the plan sheets.
- 12) Operation and maintenance plans and agreements must cover on all ponding basins not maintained by Dayton. These ponds must be identified and their agreements recorded with the title to the property with a copy of the recorded documents provided to the Commission.
- 13) All floodplains, wetlands, stormwater ponds and biofiltration basins and their outlets must be covered with a drainage and utility easement easements.
- 14) A five year operation and maintenance plan of the biofiltration vegetation must be provided.

Grading and Erosion Controls (Phase I only)

- 15) The placement of French Lake Road at its southern terminus necessitates the unaccounted filling of the fringe wetland on this site (approximately 2000 sq. ft.) and the future filling (approximately 2,000 sq. ft.) of the wetland when the road is extended. If possible, this section of road should be repositioned to eliminate these fill areas.

- 16) The area south of French Lake Road is proposed to be utilized for fill/borrow. An interim erosion controls must be provide and final grade parameters set for this area.
- 17) The City of Dayton is the LGU in charge of administering the Wetland Conservation Act for this site.
 - a. Eight wetlands were delineated on the subject property in 2014. The proposed project would result in permanent impacts to 7.48 acres of WCA regulated wetlands on the site.
 - b. The Applicant has proposed to replace the wetland impacts at a 2:1 ratio by purchasing 14.96 acres of wetland bank credits from wetland banks in the same Bank Service Area as the proposed impacts (#1310 and #1414 in Hennepin County, and #1542 in Stearns County).

Recommendation: approval contingent upon;

- i. The final plat or additional documentation must show all easement areas used for abstraction. Received Sept 10, 2015. Ok JCK
- ii. Prior to grading, a permanent conservation easement must protect the preservation areas. It must prescribe allowable uses and activities on the area and prevent future developed. Received September 10, 2015. Actual easement area is being dedicated to Dayton. Declarations of restrictions and covenants recorded on site. Ok JCK
- iii. Prior to grading, a long-term vegetation management plans describing methods of maintaining the conservation area in a natural vegetation conditions must be submitted. Submitted with Declarations OK JCK.
- iv. Excess buffer areas must meet all the Commission's buffer requirements and must be monumented. (submitted with Declarations ok JCK)
- v. Prior to grading all outlet control (and skimmer) structure details for all ponds and biofiltration basins must be provided on the plan sheets. Submitted with Sept 10 Revisions. Ok JCK
- vi. Operation and maintenance plans and agreements must cover on all ponding basins not maintained by Dayton. These ponds must be identified and their agreements recorded with the title to the property with a copy of the recorded documents provided to the Commission. Ok jck
- vii. All floodplains, wetlands, stormwater ponds and biofiltration basins and their outlets must be covered with a drainage and utility easement easements. Ok JCK
- viii. Prior to grading, a five year operation and maintenance plan of the biofiltration vegetation must be provided. Ok jck
- ix. Prior to any wetland impacts, all wetland replacement must meet all LGU and ACOE requirements ok JCK
- x. Prior to grading, final erosion and sediment control plans must be approved by Commission staff. Ok jck

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- xi. Receipt of specific pump/filter/irrigation plans for the areas proposed to be irrigated. (Commission requirement from meeting approval). According to the engineer, this will be submitted with each individual building.
- i. Five-year timeline to complete all phases of the project. (Commission requirement from meeting approval)

Hennepin County

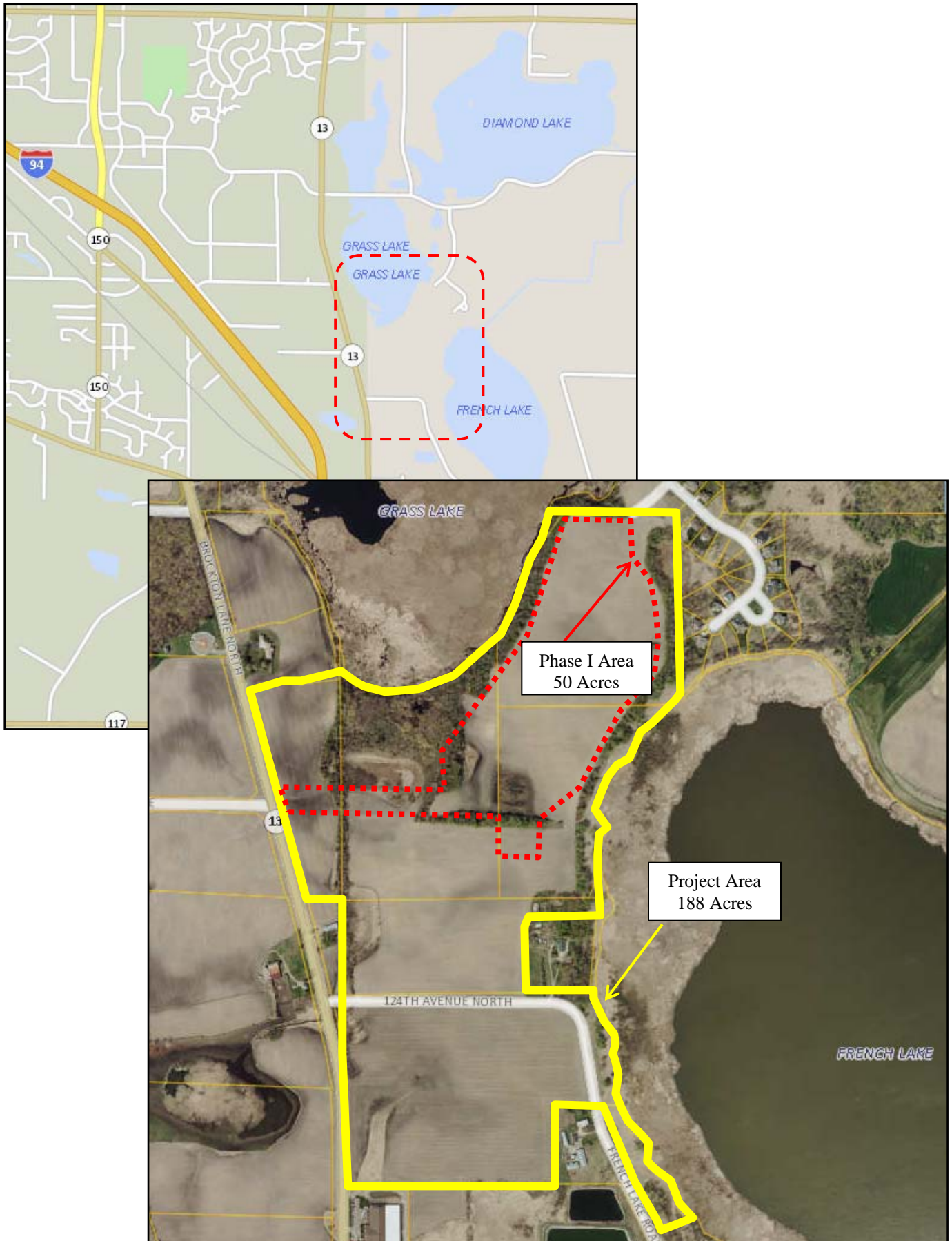
Department of Environment and Energy

Advisor to the Commission



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Location Map



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