

elm creek Watershed Management Commission

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www.elmcreekwatershed.org

TECHNICAL OFFICE
Hennepin County
Dept. of Environment & Energy
701 Fourth Ave S Suite 700
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Email: James.Kujawa@hennepin.us

August 7, 2019

Representatives
Elm Creek Watershed Management
Commission Hennepin County, MN

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

Dear Representatives:

A **regular meeting** of the Elm Creek Watershed Management Commission will be held on **Wednesday, August 14, 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 TAC and the regular meetings.

Thank you.

Regards,



Judie A. Anderson

Administrator

JAA:tim

Encls: Meeting Packet

cc:	Alternates	HCEE	Jeff Weiss	BWSR
	TAC Members	TRPD	Diane Spector	DNR
	City Clerks	MPCA	Met Council	Official Newspaper

Z:\Elm Creek\Meetings\Meetings 2019\08 Notice_reg meeting.docx

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AGENDA Regular Meeting August 14, 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.*
 - 10.o. 2019-021 Brenly Meadows, Rogers.*
 - 10.p. 2019-022 Comlink Midwest, Corcoran.*
 - b. Revised Project Review Fee Schedule.*
 - c. Diamond Lake SWA.*
5. Old Business.
 - a. FEMA Floodplain Mapping. (See Staff Report.)
6. Communications.
7. Education.
 - a. Road Salt Symposium.*
 - b. WMWA - Update.**
8. Grant Opportunities and Updates.
 - a. North Fork Rush Creek SWA Grant Program. (See Staff Report.)
 - b. Fish Lake Alum Treatment – Update.
 - c. Elm Creek Stream Restoration Project.*
 - d. BWSR Clean Water Fund Competitive Grants.
 - e. Hennepin County Opportunity Grants.*

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

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

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

Report No.					Project No.	Project Name
ag				AR	2013-046	Woods of Medina, Medina.
ah.				AR	2014-015	Rogers Drive Extension, Rogers.
a.					2015-004	Kinghorn Outlet A, 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.
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am.				AR	2017-017	Mary Queen of Peace Catholic Church, Rogers.
an.				AR	2017-029	Brayburn Trails, Dayton.
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.
ao.				AR	2018-018	Summers Edge Phase II, Plymouth.
g.					2018-020	North 101 Storage, Rogers.
ap.				AR	2018-026	Windrose, Maple Grove.
aq,				AR	2018-028	Tricare Third Addition, Maple Grove.
h.					2018-038	Vincent Woods of Roger.
ar.				AR	2018-044	OSI Phase II, Medina.
i.					2018-046	Graco, Rogers
as				AR	2018-048	Faithbrook Church Phase 2, Dayton.
j.					2019-001	Fernbrook View Apartments, Maple Grove.
at.					2019-002	Parkside Villas, Champlin.
k.			R		2019+015	Timbers Edge, Plymouth.
l.					2019-016	Rogers Retail Development, Rogers.
m.					2019-018	Peony Lake Trailhead, Plymouth.
n.			R		2019-019	Primrose, Rogers.
o.	A	E			2019-021	Brenly Meadows, Rogers.
p.	A	E			2019-022	Comlink Midwest, Corcoran.
q.		E			2019-023	99th Avenue Apartments, Maple Grove.
r.					2019-024	Boston Scientific Weaver Lake Road Building 2 East Addition, Maple Grove.

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

11. Other Business.

Z:\Elm Creek\Meetings\Meetings 2019\07Regular Meeting Agenda.docx

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Technical Advisory Committee *(beginning on page 1)* and Regular Meeting *(beginning on page 3)* Minutes - July 10, 2019

I. A meeting of the **Technical Advisory Committee (TAC)** for the Elm Creek Watershed Management Commission was convened at 10:02 a.m., Wednesday, July 10, 2019, in the Mayor's Conference Room, Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, by Chairman James Kujawa.

In attendance: Todd Tuominen, Champlin; Kevin Mattson, Corcoran; Sarah Nalven, Wenck Associates, Corcoran; Derek Asche and Mark Lahtinen, Maple Grove; Andrew Vistad, Hakanson-Anderson, Medina; Andrew Simmons, Rogers; James Kujawa, Jason Swenson, and Kirsten Barta, Hennepin County Dept. of Environment and Energy (HCEE); Brian Vlach, Three Rivers Park District (TRPD); Jeff Weiss, Barr Engineering; Steve Christopher, Board of Water and Soil Resources (BWSR); and Judie Anderson, JASS.

Also present: Ken Guenther, Corcoran; Doug Baines, Dayton; Liz Weir, Medina; and Alex Larson, Katerina Meybaum, and Fred Moore, Plymouth.

A. Motion by Asche, second by Simmons to approve the **agenda*** *Motion carried unanimously.*

B. Motion by Kujawa, second by Asche to approve the **minutes*** of the April 10, 2019 Technical Advisory Committee meeting. *Motion carried unanimously.*

II. **Rush Creek Subwatershed Assessment.*** Barta's July 2, 2019 memo provided an update on grant progress. She reported that letters have been mailed to approximately 200 residents identified in the SWA as having livestock and/or erosion issues and who came to the open house and indicated interest in the program. Twenty-two site visits have been completed. Two residents have opted to utilize resources provided by Staff to complete projects on their own.

Four projects are under staff review/cost estimate approval; three projects are not being put under contract because residents are happy to pay the costs with staff technical assistance; three projects require cooperation from neighbors in order to be completed; and five more staff visits have been scheduled. In all, about ten projects have been identified, primarily dealing with manure management, grassed waterways, and exclusion fencing

Staff will also follow up with residents who sent in postcards from an unrelated project. Letters will be sent to residents in a larger geographical area not specifically identified in the SWA but still on the creek and who would likely have beneficial projects. Lastly, staff would work with Hennepin Environmental Health on a septic project to target failing systems in the area. This latter item would likely be supported by the MPCA who approached staff about this project.

III. **Ranchview Wetland Bank.*** Included in the meeting packet was a copy of CIP Exhibit A for the Ranchview Wetland Restoration Project. Asche provided background information for this site comprising seven parcels with four different landowners. The CIP calls for 70 acres of restored wetland with an estimated project cost of

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

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

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TAC and Regular Meeting Minutes – July 10, 2019

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\$2,500,000. The City of Maple Grove has proposed a plan to create 35 acres worth of bank credits, with the City owning the credits. Development would probably not occur sooner than 3-5 years. The City would consider incremental levies so as not to exceed the \$500,000 annual cap.

The members raised questions with regard to the appropriateness of providing funding for a project that could be profitable. Asche responded that it was his impression that the funding is for wetland restoration of the 35 acres that is not set aside for banking credits.

The members inquired about the availability of credits for projects in their communities as a condition of watershed funding. Asche responded that he is open to any discussion on the topic. Commissioner Moore questioned if the wetland bank would be used as credit for any current or future TMDL requirements. Asche and Barta understood that was not possible as wetlands are not intended to be used for primary water quality treatment. Future development would be required to provide treatment prior to discharging into the wetland.

It was suggested that the City of Blaine be contacted regarding their wetland banking experiences as there may be a benefit to learning from them.

This item will continue to be discussed at future TAC meetings.

IV. Project Review Fee Schedule.*

The Commission's current project review fee schedule for new development separates residential reviews into two categories – low and high density. Low density development is described as that which is less than forty percent impervious in area; high density as that which is greater than forty percent impervious. Density is defined as the number of units per buildable area prior to development. Buildable area is the site area excluding wetlands and floodplains.

Since the amount of review time and effort is essentially the same for both densities, Staff recommends that the Commission eliminate the low density designation and adopt the high density fees for all residential subdivisions requiring review.

Motion by Simmons, second by Tuominen to recommend to the Commission that Staff's recommendation be adopted. *Motion carried unanimously.*

V. Abstraction Standards.*

The Commission Standards for abstraction states "Stormwater runoff volume must be infiltrated/abstracted onsite in the amount equivalent to one point one inch (1.1") of runoff generated from new impervious surface." Applicants and their engineers interpret "new impervious surface" to mean impervious surface added by the new development, i.e., existing impervious surface areas do not need to be treated for our abstraction rule. Staff believes, in the interest of water quality and quantity, all impervious surfaces should meet Commission abstraction requirements whenever a site is being developed or if it is a redevelopment project that disturbs greater than 50% of the site. Staff is requesting a change to the Commission's Appendix C, Rule D. 3. C: as follows:

Stormwater runoff volume must be infiltrated/abstracted onsite in the amount equivalent to one point one inch (1.1") of runoff generated from **new all** impervious surface

Christopher stated that the proposed change in language would be a clarification of the current language and would not require a Minor Plan Amendment.

The revision was agreed to by consensus.

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VI. Cost Share Policy.

A. In its letter dated May 13, 2019,* the City of Medina requested additional information as it pertains to the **Enhanced Sweeper** proposed by the the City of Plymouth. The sweeper was added to the CIP as a 2020 project at a cost of \$350,000. The City also expressed concern that, in the past, ad valorem taxes have traditionally been spent on water quality improvement projects rather than equipment.

B. In the meeting packet was a copy of the **Shingle Creek and West Mississippi Watershed Management Commissions' Cost Share Policy for Capital Improvements.*** It was drafted as a result of the City of Plymouth's request to add the Enhanced Sweeperr to the SCWM CIP. After consultation with the Commissions' Attorney, BWSR, and the Hennepin County Attorney, the SCWM WMOs are going forward with a Minor Plan Amendment to incorporate this new policy.

The Elm Creek Commission's current policy* was included in the packet for comparison.

VII. The date of the next TAC meeting is indeterminate. The meeting of the Technical Advisory Committee was adjourned at 11:29 a.m.

I. A regular meeting of the Elm Creek Watershed Management Commission was called to order at 11:37 a.m., Wednesday, July 10, 2019, in the Mayor's Conference Room, Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, by Chairman Doug Baines.

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

Also present: Todd Tuominen, Champlin; Kevin Mattson, Corcoran; Sarah Nalven, Wenck Associates, Dayton; Derek Asche and Mark Lahtinen, Maple Grove; Terry Sharp, Medina; Catherine Cesnik, Alex Larson, and Katerina Meybaum, Plymouth; and Andrew Simmons, Rogers.

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

B. Motion by Weir, second by Walraven to approve the **minutes*** of the March 9, 2019, regular meeting. *Motion carried unanimously.*

C. Motion by Moore, second by Walraven to approve the July **Treasurer's Report and Claims*** totaling \$12,295.38. *Motion carried unanimously.*

II. Open Forum.**III. Action Items.**

A. Project Review 2019-015 Timbers Edge, Plymouth.* This project is approximately 18.7 acres in size, located on the west side of Holly Lane, across from the Hollydale Golf Course. It is currently a wooded lot with an existing parking lot. 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. In their findings dated July 2, 2019, Staff recommends approval with no conditions. Motion by Moore, second by Guenther to approve Staff's recommendation. *Motion carried unanimously.*

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B. Project Review 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. In their findings dated June 19, 2019, and signed July 9, 2019, Staff recommends approval of this project contingent upon five conditions. Motion by Weir, second by Walraven to approve Staff's recommendations. *Motion carried unanimously.*

C. Project Review 2019-018 Peony Lane North Trailhead, Plymouth.* The City of Plymouth proposes to construct a trailhead facility along the east side of Peony Lane North 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 reviewed this site for compliance to Rules D, E and F. In their findings dated July 3, 2019, Staff recommends approval pending DNR and WCA permitting. Motion by Moore, second by Weir to approve Staff's recommendation and, further, requesting the City to particularly review the plans for wetland impacts. *Motion carried unanimously.*

D. Project Review 2019-019 Primrose School of 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. In their findings dated July 3, 2019, Staff recommends approval with no conditions. Motion by Weir, second by Walraven to approve Staff's recommendation. *Motion carried unanimously.*

E. Hennepin County Cooperative Agreement.* Included in the meeting packet is a revised version of the agreement that was presented at the June meeting. It has been revised per discussions at the June 26 subcommittee meeting. The revisions brought the agreement into alignment with the 2019 Operating Budget and is in the amount of \$195,285.08 for technical services and a not-to-exceed amount of \$7,000 for volunteer monitoring and education programs. Motion by Moore, second by Walraven to approve the agreement. *Motion carried unanimously.*

F. Project Review Fee Schedule.* (See item IV. of the TAC minutes on page 2.) Guenther requested that this item be placed on the August agenda for consideration. An updated schedule will be included in the meeting materials.

IV. Watershed Management Plan.

Local Plans. Rogers' 2040 Comprehensive Plan was received by the Commission in January 2019. Staff provided comments to the City. The Commission received Metropolitan Council's letter dated July 8, 2019, stating, "...it has completed its review of Roger's draft plan and that it fulfills the requirement for a local water management plan and provides a good overall framework for the city to successfully manage its water resources." At this time all member local plans have been reviewed and approval as required under MN Stat. 103B.235.

V. Old Business.

A. The 2019 Operating Budget includes funds to monitor one lake as part of **Metropolitan Council's Citizen-Assisted Monitoring Program (CAMP)**. A lake and a volunteer have yet to be identified.

B. The **Commissioner Handbook** is being revised and updated. Staff will bring sections of the updated handbook to future meetings.

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VI. Water Quality.

A. FEMA Floodplain Mapping. Jason Swenson has resigned from Hennepin County effective July 22.* County staff is diligently working to compile the existing working files to ensure a smooth handoff to the next party who will pick up the project and carry it forward. Staff's intentions are to deliver a draft Hydrology product to the Minnesota DNR for review prior to Swenson's departure. Staff will also compile a list of options for the Commission to consider as it moves forward in completing this project.

B. Rush Creek Subwatershed Assessment Implementation.* *(See item II. of the TAC minutes on page 1.)* No action is required by the Commission.

C. Buffer review is underway for Corcoran, Medina, and Rogers. Residents with potential violations and those residents who 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.

VII. New Business.

Dayton City Staff have advised the Commission* that they are requesting their City Council to authorize undertaking a **subwatershed assessment for Diamond Lake**. Nalven reported that the Council did approve this request at their July 9 meeting. The City is requesting a Commission contribution of 25 percent of the estimated project cost of \$59,000. A formal request will be presented at the Commission's August 14 meeting.

VIII. Education and Public Outreach.*

A. Watershed PREP and Education and Outreach Events. Educators have completed spring classroom visits. The educators are finding that schools are tending to schedule them more in the fall semester than in the spring semester. A reminder that the educators are available to table at city and school events, contact Amy Juntunen at amy@jass.biz. The educators are still researching options to make a short, 3-5 minute promotional video for Watershed PREP for use both in marketing to schools in the four watersheds as well as informing other watershed organizations about the program.

B. Website/Social Media. The group will be reviewing the WMWA website to refresh and update content. Any input is appreciated. westmetrowateralliance.org/ The website Google Analytics for June 2019 are attached to Staff's memo,* as are the Facebook insights and Twitter metrics for the last 30 days. Facebook Impressions are the numbers of times a post is viewed in a feed, Engagement is an action - a click, comment, share, or reaction.

C. Special Project Discussion. Each year the four watersheds budget \$8,000 to undertake a larger project. The group continues to discuss purchasing a copy of the Blue Thumb native plant root puller display, which is extremely popular among both adults and youth. The displays educate users about one of the many features of native plants, their root lengths compared to turf grass and ornamental plants. This makes them ideal for stabilizing streambanks and lakeshores and for promoting infiltration by creating deep root channels. The display allows the user to pull out a string that is as long as the roots are deep.

D. WMWA is discussing reallocating money from the administrative and special projects budgets to contract with a **part-time coordinator** to provide enhanced general education and coordination

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across the four member watersheds. Some of the potential activities include coordinating chloride management education and outreach to private entities; restarting the lake association summit; coordinating with the Master Water Stewards in the area; and enhanced outreach to the media.

E. Blue Thumb is a valuable source of information, including educational materials, how-to guides, a plant finder tool, and more. <http://www.blue-thumb.org/public-resources/>

F. Ten Things Brochure. WMWA has received about 10,000 copies printed at no charge by Hennepin County. The brochure will be uploaded to the Commission website. Copies can be requested from the administrative office. Brochures are also being distributed to member cities through their TAC representatives.

G. The **next WMWA meeting** is scheduled for 8:30 a.m., Tuesday, August 13, 2019, at Plymouth City Hall.

IX. Communications.**X. Grant Opportunities and Project Updates.**

A. Vlach reported that the **second alum treatment for Fish Lake** is scheduled for August 5-8. He will provide an update at the August meeting.

B. The **Elm Creek Stream Restoration project** is nearing completion. Ben Scharenbroich will make a presentation of the project at the August meeting.

C. Deadline for **BWSR Clean Water Fund Competitive Grant** applications is September 9, 2019.

XI. Other Business.

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

B. Adjournment. There being no further business, the meeting was adjourned at 1:07 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary
JAA:tim

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Item No.					Project No.	Project Name
					W Denotes wetland project	
ag				AR	2013-046	Woods of Medina, Medina.
ah.				AR	2014-015	Rogers Drive Extension, Rogers.
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m.	A	E			2019+015	Timbers Edge, Plymouth.
n.	A	E			2019-016	Rogers Retail Development, Rogers.
o.			R		2019-017	French Lake Industrial Park, Dayton.
p.		E			2019-018	Peony Lake Trailhead, Plymouth.
q.	A	E			2019-019	Primrose, Rogers.
r.		E			2019-020	CSAH 50 and CSAH 10 Culvert Replacement, Corcoran.
s.					2019-021	Brenly Meadows, Rogers.
t.					2019-022	Comlink Midwest, Corcoran.

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

Elm Creek Watershed Management Commission 2019 Treasurer's Report

		2019 Budget	July 2019	Aug 2019	2019 Budget YTD
EXPENSES					
Administrative		90,000	7,587.76	8,444.32	57,944.99
Watershed-wide TMDL Admin		1,500			0.00
Grant Writing		4,000			0.00
Website		5,000	25.20	133.20	538.20
Legal		2,000	31.00	46.50	217.00
Audit		5,000		4,500.00	4,500.00
Insurance		3,900			2,865.00
Miscellaneous/Contingency		1,000			0.00
Project Reviews	HCEE	97,400		18,028.60	41,302.28
Project Reviews	Consult	15,000	3,105.50		10,616.00
Project Reviews	Admin	15,000	492.13	862.86	4,991.33
WCA-Technical	HCEE	18,200		850.20	2,565.86
WCA	Legal	500			31.00
WCA	Admin	2,000		2.10	369.95
Floodplain Mapping	Technical	46,386			16,046.98
Stream Monitoring USGS		41,000		5,210.00	15,630.00
Stream Monitoring TRPD		6,875			0.00
TMDL Follow-up - TRPD		2,500			0.00
Rain Gauge		250	18.79	20.22	119.91
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		199.31	2,225.95
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		2,000.00
Education Grants		1,000			0.00
Macroinvertebrate Monitoring-River Watch		3,000			0.00
Projects ineligible for ad valorem-See Note 1		-			0.00
Studies / Project ID / SWA		35,000			1,766.46
Plan Amendments		2,000	35.00		1,206.93
<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
<i>Transfer to (from) Cash Sureties (see below)</i>			-		57.97
<i>Transfer to (from) Grants (see below)</i>			-	-	20.32
<i>To Fund Balance</i>					0.00
TOTAL - Month			12,295.38	38,297.31	236,776.33
TOTAL Paid in 2019, incl late 2018 Expenses		920,796.00	306,836.49	345,133.80	2019 Paid
Note 1: \$50,000 Projects ineligible for ad valorem re-assigned to General Fund effective May 8, 2019					

Elm Creek Watershed Management Commission 2019 Treasurer's Report

		2019 Budget	July 2019	Aug 2019	2019 Budget YTD
INCOME					
<i>From Fund Balance</i>					
Project Review Fee		80,000	6,915.00		21,429.20
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	2,600.74		16,958.05
Transfer to (from) Capital Projects (see CIP Tr		490,000	234,945.75		234,945.75
Transfer to (from) Cash Sureties (see below)					
Transfer to (from) Grants (see below)			-	-	5,028.00
Misc Income					0.00
Total - Month			244,461.49	0.00	510,315.81
TOTAL Rec'd 2019, incl late 2018 Income		817,400.00	519,455.49	519,455.49	2019 Received
CASH SUMMARY		Balance Fwd			
Checking		0.00			
4M Fund		1,303,038.87	1,515,657.87	1,477,360.56	
Cash on Hand			1,515,657.87	1,477,360.56	
CASH SURETIES HELD		Balance Fwd			Activity 2019
WCA Escrows Received		30,000.00			1,000.00
WCA Escrow Reduced		0.00		16,300.25	16,885.53
Total Cash Sureties Held		30,000.00	30,414.72	14,114.47	
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					0.00
Total Restricted / Encumbered Funds		909,280	909,280.00	909,280.00	
			July 2019	Aug 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	July	August	TOTAL
Campbell Knutson - Legal		521000		46.50	46.50
Connexus - Rain Gauge		551100		20.22	20.22
Hennepin County Treasurer					18,878.80
HCEE - Tech Svcs Project Reviews		578000		18,028.60	
HCEE - Tech Svcs WCA		579500		850.20	
Johnson & Company - Audit, Financial Prep		521000		4,500.00	4,500.00
U S Geological Survey - Stream Monitoring		551000		5,210.00	5,210.00
JASS					9,641.79
Administration		511000		7,211.91	
TAC Support		511000		1,232.41	
Annual Report		511000			
Website		581000		133.20	
Project Reviews		578100		862.86	
WCA		579000		2.10	
Plan Amendment		541500			
Education		590000		199.31	
CIPs General		563001			
Grant Opportunities		511000			
Grant - Fish Lake CWLA		584001			
Grant - Rush Creek SWA		584002			
Floodplain Mapping Admin		511000			
TOTAL CLAIMS					38,297.31

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

item 02b

CIPs		Amount	%age	TOTAL 2016	TOTAL 2017	TOTAL 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	TOTAL 2019	TOTAL ALL YEARS
2014-01 Medina Tower Drive		68,750	52.380													
	Revenue			(37.13)	(15.52)	6.56									-	68,870.35
	Expense			-	-	-									-	1,989.80
	Payment to City										66,760.20				66,760.20	66,760.20
	To Closed Project Account														(120.35)	120.35
	Balance			(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)							(772.06)		(772.06)	79,482.95
	Expense			106.32	-	-									-	106.32
	Balance			(106.32)	80,353.26	(98.25)					-		(772.06)		(772.06)	79,376.63
2016-04 Rush Creek Main Stem Restora		75,000.00	15.219													
	Revenue			-	75,042.75	(91.75)							(721.02)		(721.02)	74,229.98
	Expense			106.32	-	-									-	106.32
	Balance			(106.32)	75,042.75	(91.75)					-		(721.02)		(721.02)	74,123.66
2016-05 Fish Lake Alum Trmt Phase 1		75,000.00	15.219													
	Revenue			-	75,042.75	(91.75)							(721.02)		(721.02)	74,229.98
	Expense			106.32	-	-									-	106.32
	Balance			(106.32)	75,042.75	(91.75)					-		(721.02)		(721.02)	74,123.66
2017-01 Fox Creek Phase 3 Streambank		112,500.00	25.714													
	Revenue			-	-	112,347.11							84.46		84.46	112,431.57
	Expense			-	135.85	-									-	135.85
	Balance			-	(135.85)	112,347.11					-		84.46		84.46	112,295.72
2017-03 Mill Pond Fishery & Habitat Res		250,000.00	57.143													
	Revenue			-	-	249,663.63							187.69		187.69	249,851.32
	Expense			-	135.86	-									-	135.86
	Balance			-	(135.86)	249,663.63					-		187.69		187.69	249,715.46
2017-04 Rain Garden at Independence		75,000.00	17.143													
	Revenue			-	-	74,899.52							56.30		56.30	74,955.82
	Expense			-	135.85	-									-	135.85
	Balance			-	(135.85)	74,899.52					-		56.30		56.30	74,819.97
2018-01 Rush Creek Ph 3 Main Stem St		75,000.00	16.216													
	Revenue			-	-	-							38,404.58		38,404.58	38,404.58
	Expense			-	-	115.18									-	115.18
	Balance			-	-	(115.18)					-		38,404.58		38,404.58	38,289.40
2018-02 Elm Creek Reach D Stream Re		212,500.00	45.946													
	Revenue			-	-	-							108,814.55		108,814.55	108,814.55
	Expense			-	-	115.18									-	115.18
	Balance			-	-	(115.18)					-		108,814.55		108,814.55	108,699.37

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

item 02b

CIPs		Amount	%age	TOTAL 2016	TOTAL 2017	TOTAL 2018	JAN 2019	FEB 2019	MAR 2019	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	TOTAL 2019	TOTAL ALL YEARS
2018-03 Elm Creek Phase III Stream Re		100,000.00	21.622													
	Revenue			-	-	-							51,207.69		51,207.69	51,207.69
	Expense			-	-	115.18									-	115.18
	Balance			-	-	(115.18)					-		51,207.69		51,207.69	51,092.51
2018-04 Downs Road Trail Raiin Garder		75,000.00	16.216													
	Revenue			-	-	-							38,404.58		38,404.58	38,404.58
	Expense			-	-	115.18									-	115.18
	Balance			-	-	(115.18)					-		38,404.58		38,404.58	38,289.40
TOTAL CIP																
	Revenue			249,795.17	494,329.63	436,392.95	-	-	-	-	-	-	234,945.75	-	234,945.75	1,547,033.63
	Expense			812.59	407.56	685.72	-	-	-	-	-	-	-	-	-	8,133.65
	Payments			245,276.36	1,836.48	322,859.09	-	-	-	-	66,760.20	-	-	-	66,760.20	636,732.13
	Balance			3,706.22	492,085.59	111,626.42	-	-	-	-	(66,760.20)	-	234,945.75	-	168,065.20	900,825.78
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																902,167.85
COMPLETED PROJECTS \$0 BALANCE																
	2016-02 Miss River Shore Repair/Stabilization					COMPLETE										
	2016-03 EC Dam at Mill Pond					COMPLETE										

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

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

Page: 1
June 30, 2019
Account # 1448-0000G
214

RE: GENERAL MATTERS
SERVICES RENDERED TO DATE:

06/20/2019	JJJ	Emails Judie re: WC for Board members.	HOURS	
			0.30	46.50
		AMOUNT DUE	0.30	46.50
		TOTAL CURRENT WORK		46.50
		PREVIOUS BALANCE		\$31.00 pd
		TOTAL AMOUNT DUE		\$77.50

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

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

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

Page: 1
 June 30, 2019
 Account # 1448G

SUMMARY STATEMENT

PREVIOUS BALANCE	FEES	EXPENSES	CREDITS	PAYMENTS	BALANCE
1448-0000 RE: GENERAL MATTERS					4650
SERVICES RENDERED TO DATE:					\$77.50
31.00	46.50	0.00	0.00	0.00	

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



Monthly Statement

Service Address
ELM CREEK RD
DAYTON MN

Billing Summary

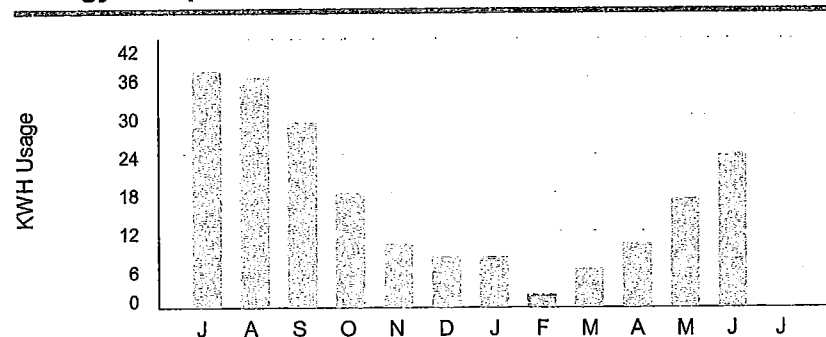
Billing Date: Jul 17, 2019

Previous Balance	\$18.79
Payments - Thank You!	\$18.79
Balance Forward	\$0.00
New Charges	\$20.22

Total Amount Due **\$20.22**

Payment must be received on or before August 13, 2019

Energy Comparison



How to contact us

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

Account Number:
481113-238425

item 02b

ELM CREEK WATERSHED MGMT ORG

Total Amount Due

\$20.22

Due Date

August 13, 2019

Message Center

Night to Unite

Did you know Connexus Energy provides local law enforcement with items to enhance your Night to Unite gatherings? If you are planning a Night to Unite event on August 6, please contact your police department directly. For a list of participating police departments, visit us at connexusenergy.com.

\$3 off at Bunker Beach

Cool off this summer at Bunker Beach. Connexus members get \$3 off admission to the waterpark through Labor Day. Print your coupons at connexusenergy.com.

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

TRA3-D-007454/007133 AGX524 S1-ET-M1-C00002 1



Account Number:

481113-238425

Total Amount Due

\$20.22

Payment Due By

August 13, 2019

007454 1 AB 0.409 003458/007454/007133 026 02 AGX524
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy
PO Box 1808
Minneapolis, MN 55480-1808

00002022 0004811130238425 000000 00000 000000000000 0000001

Johnson & Company, Ltd.
3255 Fernbrook Lane North
Minneapolis, MN 55447
(952) 525-9500

ELM CREEK WATERSHED MANAGEMENT COMMISSION
3235 FERNBROOK LANE N
PLYMOUTH, MN 55447

Client # : 4274

Invoice Number : 37838

Invoice Date : Monday, July 01, 2019

For Professional Services Rendered :

Preparation of report on audited financial statements for the year ended December 31, 2018.	4,500.00
---	----------

Total Invoice Amount

\$4,500.00

**HENNEPIN COUNTY**

Public Works General

Solid Waste

612-543-1121

300 South 6th Street, MC 131

Minneapolis, MN 55487

item 02b

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

Page: 1
Customer Number: 0000010608
Invoice Number: 1000133874
Invoice Date: 07/29/2019

Total Amount Due: \$18,878.80
Due Date: 08/31/2019

Date	Description	Quantity	Unit Amount	Net Amount
04/01/2019 - 06/30/2019	Technical Assistance	1.00	\$18,028.60	\$18,028.60
Elm Creek Watershed, 2nd quarter (April - June, 2019).				
04/01/2019 - 06/30/2019	WCA	1.00	\$ 850.20	\$ 850.20
Elm Creek Watershed, 2nd quarter (April - June, 2019).				

Balance Due: \$18,878.80

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

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

HENNEPIN COUNTY

612-543-1121

Customer Number: 0000010608

Invoice Number: 1000133874

Payment Due Date: 08/31/2019

Amount Due: \$18,878.80

Amount Enclosed:

--	--	--	--	--	--	--	--	--	--

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

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

2HNPWS00000106081000133874000000018878803

DI-1040

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

Page:1

Make Remittance Payable To: U.S. Geological Survey
Billing Contact: Angela Hughes, Adm. Ops. Asst. Phone: 651-280-5735

Bill #: 90739789
Customer: 6000001534
Date: 07/11/2019
Due Date: 09/09/2019

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

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

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

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

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

Amount of Payment: \$ _____

Date	Description	Qty	Unit Price		Amount
			Cost	Per	
07/11/2019	Billing for the operation and maintenance of a gaging station and water-quality sampling on Elm Creek near Champlin. 18NQJFA0020	1	5,210.00	1	5,210.00
Amount Due this Bill:					5,210.00

Accounting Classification:

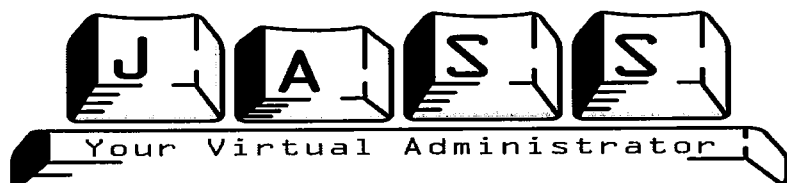
Sales Order: 77379

Sales Office: GENK

Customer: 6000001534

Accounting #: 11006538

TIN: *****6985



3235 Fernbrook Lane
Plymouth MN 55447

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

6-Aug-19

Total by
Project Area

Administrative	11.47	55.00	630.85	
Administrative	70.64	60.00	4,238.40	
Admin - Offsite	2.47	70.00	172.90	
Office Support	8.25	200.00	1,650.00	
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	379.14	1.00	379.14	7,211.910
Admin - TAC support	0.33	55.00	18.15	
Admin - TAC support	15.33	60.00	919.80	
Admin - TAC support offsite	2.48	70.00	173.60	
TAC Support - Reimbursable Expense	120.86	1.00	120.86	1,232.410
Website		55.00	0.00	
Website	2.22	60.00	133.20	
Website - Reimbursable Expense		1.00	0.00	
Web Domain, hosting thru June 2020		1.00	0.00	133.200
Project Reviews - Secre		55.00	0.00	
Project Reviews - Admin	8.42	60.00	505.20	
Project Reviews - Admin offsite		70.00	0.00	
Project Reviews - Admin - File Mgmt		55.00	0.00	
Project Reviews - Reimbursable Expense	357.66	1.00	357.66	862.860
WCA - Secre		55.00	0.00	
WCA - Admin		60.00	0.00	
WCA - Reimbursable Expense	2.10	1.00	2.10	2.100
WCA - Secre - reimbursable		55.00	0.00	
Education - Secretarial		55.00	0.00	
Education - Admin		60.00	0.00	
Education - Admin Offsite	2.61	70.00	182.70	
Education - Reimbursable Expense	16.61	1.00	16.61	199.310

Invoice Total

9,641.790

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

August 7, 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 this 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 were 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 of the restoration order was received by BWSR. BWSR issued an order of abeyance (stay) on the appeal until April 1, 2019. An application for 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. *An updated replacement plan was received by the City of Corcoran on July 24, 2019. A TEP will be held on August 13 to discuss the plan. Updates will be provided to the Commission at their meeting.*

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.

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. 2018-038 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 in September 2018. *Staff received revised information and found the plans to be in conformance with the minor revisions requested. Final approval was provided. This item will be moved to the final recording/documentation section of the Staff report.*

i. 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.

j. 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.

k. 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. *This project was approved at the July meeting and will be removed from future Staff reports.*

l. 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 was *approved by the Commission at their July 2019 meeting contingent upon the applicant meeting five conditions outlined in Staff findings signed July 19, 2019.*

m. 2019-018 Peony Lane Trailhead, 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 is reviewing this site for compliance to Rules D, E and F. *The Commission reviewed this site for compliance to Rules D, E and F at their meeting on July 10, 2019. It was approved pending DNR and WCA permitting.*

n. 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 approved at the July Commission meeting and will be removed from future Staff reports.*

RULE D - STORMWATER MANAGEMENT
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RULE I - BUFFERS

Italics indicates new information

indicates enclosure

o. 2019-021 Brenly Meadows, Rogers. *This is a 38-unit townhome project proposed on 6.9 acres north of 129th Avenue about 1/3 mile west of Main Street. It triggers the Commissions review for Rules D, and E. Staff recommends contingent approval on this project. Updated findings, review and recommendations are in this month's meeting packet under action items.*

p. 2019-022 Comlink Midwest (CML Holdings LLC), Corcoran. *This is an existing 16.5-acre lot located in the SE quadrant of County Roads 19 and 10 in Burschville (Corcoran). The present land use is about 13 acres of cropland and 3.5 acres of wetland/farmstead/meadow. The applicant proposes to construct three new commercial/industrial buildings with adjacent parking and storage areas, creating approximately 5.5 acres of new impervious areas. This project triggers the Commission's standards on Rules D, E, and I. Staff recommends approval contingent upon an Operation and Maintenance plan agreement being approved by the City and the Commission and recorded on the property title. A copy of the recorded document, with the Hennepin County Document Number must be provided to the Commission.*

q. 2019-023 99th Avenue Apartments, Maple Grove. *This is part of a 20.4-acre PUD proposed on the Hy-Vee North property located at the southeast corner of Maple Grove Parkway and MNDOT Highway 610. The site is proposed to be divided into two parcels. The west parcel will be approximately 12.0 acres and be used for the Hy-Vee development. This apartment project comprises the eastern 8.42 acres. The Hy-Vee development was reviewed and approved by the Commission under project 2016-047 and is considered active by the City of Maple Grove. This apartment project was part of the overall stormwater management plan and PUD factored into the Commission's approval but was not proposed for construction at that time. A stormwater facility along the ROW of Highway 610 was approved as part of a shared facility to manage stormwater from both projects. The PUD will create 12.25 acres of new impervious surface (about 60% impervious cover). The apartment site plans trigger the Commissions review for Rules D, E, and I. Staff's review found stormwater management to be in compliance with the overall PUD approval from project 2016-047, but PUD compliance to the Commission's wetland buffer requirements has not been achieved to date. The current recommendation is for no Commission action until buffers meet its requirements from the approved PUD. Findings are in this month's packet.*

r. 2019-024 Boston Scientific Weaver Lake Road, Building 2 East Addition, Maple Grove. *Boston Scientific is building an addition on the east side of Building 2 to provide more production and office space for their existing facility. The project includes moving the existing service drive and site utilities on the east side Building 2 to the east within the BSC property to create space for the building addition. About 1.9 acres of the site will be disturbed and 1.06 acres of impervious surface will be added. This project will be reviewed for compliance to Rules D, E, F, and I. The project was not reviewed at the time of this update. If available, a review and recommendation will be provided to the Commission at their meeting.*

FINAL RECORDINGS OR OTHER DOCUMENTATION ARE DUE ON THE FOLLOWING PROJECTS: *(Staff reached out to the cities for updates on these projects on July 2, 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.*

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

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

aj. 2016-002 The Markets at Rush Creek, Maple Grove. This is a proposal to develop 40 acres of a 123-acre PUD located in the southwest quadrant of the intersection of CSAH 101 and CSAH 10. In 2016 the Commission granted Staff authority to administratively approve the project and report any updates. Updated plans with 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. *No update was available on July 2, 2019.*

ak. 2016-005W Ravinia Wetland Replacement Plan, Corcoran. In December 2016 the Commission approved Staff's recommendations on this wetland replacement plan. Final wetland impacts are 1.22 acres. Wetland credits created on site will be 4.01 acres. Excess credits of 0.75 acres are proposed to be used on Lennar's Laurel Creek development in Rogers (2017-014). All approval contingencies have been met and construction 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. *No update was available on July 2, 2019.*

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. *No update was available on July 2, 2019.*

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.

FEMA FLOODPLAIN MAPPING

Hennepin County staff has been in contact with the DNR Floodplain Hydrologist (Rita Weaver). The DNR prefers to terminate the contract with the Commission and reimburse us based on the deliverables received. County Staff will be meeting with DNR staff on Friday August 9 2019 to provide them with the materials Jason Swenson has compiled to date . We will have a better idea how to move forward after the meeting. An update will be provided to the Commissioners at their meeting.

RUSH CREEK SWA IMPLEMENTATION

Staff anticipate having contracts signed by September 1, 2019 for fall projects to be completed in September/October. More detailed information can be found in the memo in the July TAC meeting packet.

BUFFER REVIEW

Buffer review has been completed for Corcoran, Rogers, and Medina. Those parcels found to be non-compliant are being sent to the state for enforcement, and the landowners notified by US Mail of that action. Hennepin staff will work with those residents that are subject to enforcement actions at the request of BWSR, but will otherwise await findings.

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indicates enclosure

elm creek

Watershed Management Commission

item 04a-1

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Department of Environment and Energy
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Brenly Meadows ***Rogers, Project #2019-021***

Project Overview: This is a 38 unit townhome project proposed on 6.9 acres north of 129th Avenue about 1/3 of a mile west of Main Street in Rogers. The project will disturb 5.5 acres and create 1.675 acres of additional impervious areas. The site plans trigger the Commissions review for Rules D (stormwater management), Rule E (erosion control) and Rule I (wetland buffers).

Applicant: Cavaliera Homes LLC, Nathan Gunn, 3378 156th Avenue NW, Andover, MN 55304. Phone: 651-470-6212. Email: nathangunn@comcast.net

Agent/Engineer: Carlson McCain, Attention Brian Krystofiak. 3890 Pheasant Ridge Drive NE, Suite 100, Blaine, MN 55449. Phone: 763-489-7900. Email: bkrystofiak@carlsonmccain.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval with application fee of \$394.50 received June 25, 2019.
- 2) Brenly Meadows Stormwater Management Plan by Carlson McCain, dated June 5, 2019 with latest revision date of August 1 2019.
- 3) Brenly Meadows Site Plans dated June 5, 2019 with latest revision date August 1, 2019.
 - a. Sheet 1 of 8, Cover sheet
 - b. Sheet 2 of 8, Existing Conditions
 - c. Sheet 3 of 8, Preliminary Plat
 - d. Sheet 4 of 8, Removals Plan
 - e. Sheet 5 of 8, Preliminary Site & Utility Plan
 - f. Sheet 6 of 8, Preliminary Grading & Erosion Control Plan
 - g. Sheet 7 of 8, Details
 - h. Sheet 8 of 8, Retaining Wall Profiles
 - i. Sheet L1- Landscape Plan.
- 4) Brenly Meadows SWPPP by Carlson McCain dated June 24, 2019.

Findings:

- 1) A complete application was received June 26, 2019. The initial 60-day decision period expires on August 25, 2019.
- 2) The current land use is residential with three home sites and a barn. It has 0.88 acres of existing impervious surfaces onsite.

- 3) The applicant proposes to construct 38 new townhomes with corresponding street and utilities. Impervious areas will increase by 1.675 acres.
- 4) The City of Rogers is the LGU in charge of administering the 1991 Wetland Conservation Act on this site.
 - o No wetlands are proposed to be impacted on this site.
- 5) There are no FEMA or ECWMC floodplains on this site.
- 6) Records show one active well on this site. This is proposed to be abandoned in accordance with MN Dept. of Health requirements.

Stormwater Management (Rule D)

- 7) The existing drainage pattern of the site is to the north into the Fox Creek system. Fox Creek runs north and west approximately 2.75 miles before flowing into the Crow Rivers at CR 144 about ½ mile west of Interstate 94.
- 8) Stormwater is proposed to be managed by installing a stormwater pond for rate and nutrient controls. Abstraction and water quality controls are proposed to be managed by a combination of excess wetland buffer, soil amendment area and irrigation.
- 9) If the City of Rogers does not maintain the stormwater basin, an Operation and Maintenance plan agreement must be approved by the City and the ECWMC and recorded on this property title. A copy of the recorded document, with the Hennepin County Document Number must be provided to the Commission.
- 10) Rate discharge flows meet the Commission standards. Flows before and after development are as follows;

Drainage area = 6.37 acres	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-Development Rates	10.5	20.0	38.5
Post-Development Rates	6.2	11.2	20.6

- 11) Water Quality; water quality is proposed to be controlled by a NURP (wet detention) pond and irrigation. The pond will decrease phosphorus loads by 50% overall. The irrigation system will decrease it an additional 0.4 lbs per year.
 - o The proposed load reductions for phosphorus and TSS are based on a MPCA pond design level 2. A design level 2 will provide the following reductions: TSS 84%, DP = 8%, PP = 84%, TP = 50%. This design level must meet the following criteria;
 - o Wet extended detention or multi-cell system. Yes
 - o Sediment forebay at all major inflows....Yes
 - o Flow path length to pond width ratio 1:1 to 3:1....Yes
 - o Water quality volume (flood pool volume) > 1.0 inch of impervious area....Yes

12) Abstraction: New impervious surface areas proposed on this site will be 1.675 acres. This equates to 0.154-acre feet (6,688 cubic feet) of abstraction volume required.

- Total abstraction credits available from site plans = 8,489 cubic feet.
- Abstraction is proposed to be met through a combination of credits available from the Commission in their volume abstraction standards. These include;
 - Excess wetland buffer credits; (1,270 cubic feet credits available)
 - 21,514 sq. ft. required
 - 41,838 sq. ft. proposed.
 - New Commission standards provide 0.75” credit for 20,324 sq. ft. of excess buffer. This amounts to 1,270 cubic feet of abstraction volume credit from excess buffer.
 - Soil amended areas; (1,579 cubic feet credits available)
 - 25,265 sq. ft. (0.58 acres) of soil amended areas are proposed.
 - New Commission standards provide 0.75” credit for soil amended areas. This amounts to cubic feet of abstraction volume credit for these areas.
 - Irrigation (5,340 cubic feet available)
 - The Commission utilizes the Ramsey/Washington Watershed District Stormwater Reuse calculator for irrigation credit.
 - Additional irrigation design detail are necessary, including, but not limited to;
 - Permissions from the City of Rogers for pumping from their property/pond
 - Operation and maintenance of the system.

Stormwater Management Summary (Rule D)

Condition (6.37 acres)	TP Load (lbs/yr)	TSS Load (lbs/yr)	Abstraction by credits (cu. ft.)	Annual Volume (ac. ft.)
Pre-development (baseline)	3.7	677	NA	4.59
Post-development without BMPs	6.3	1138	6,688	7.67
Post-development with BMPs	3.7	473	2,849 -wetland and buffer credits	6.55
			5,340 -irrigation credit	
Net Change	0	-204	-1,501	+1.96

Erosion and Sediment Controls (Rule E);

13) SWPPP and Erosion control plans meet the minimum Commission requirements.

Wetland Buffer (Rule I)

14) Wetland buffers will meet the Commission's standard of 25' average/10' minimum width.

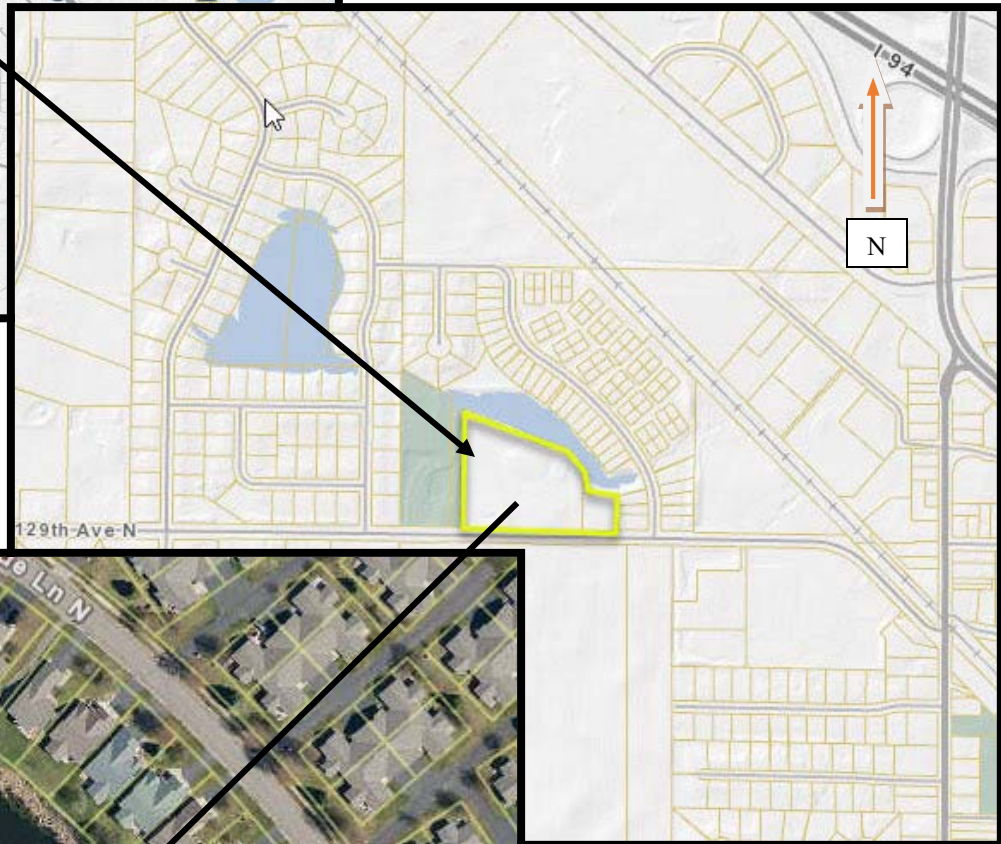
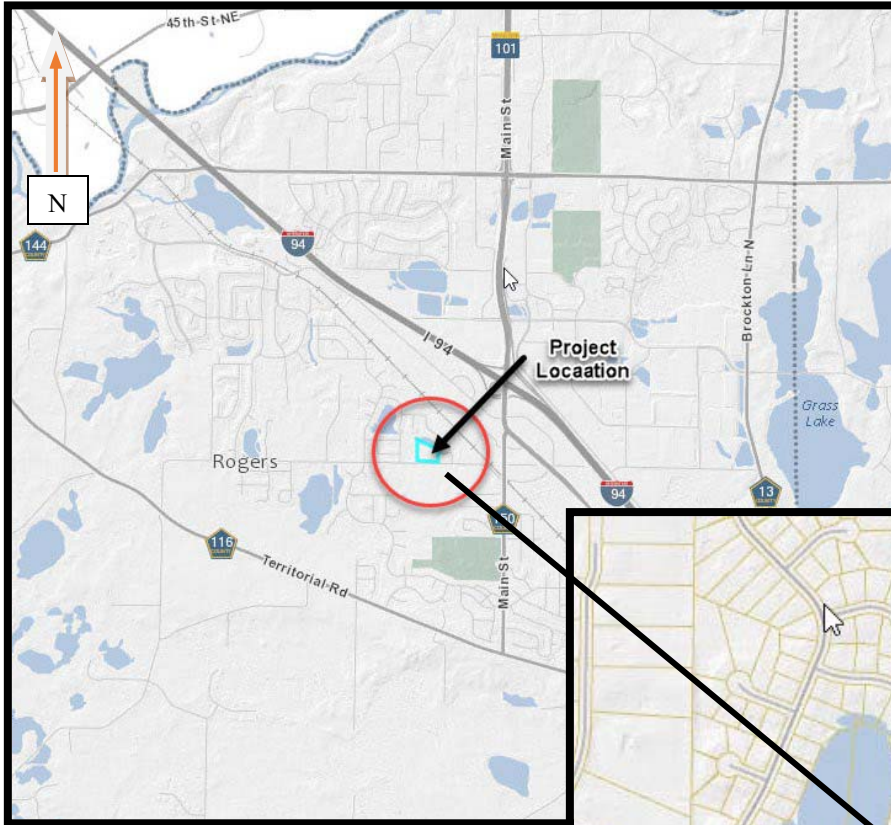
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| ○ Amount required per buffer rules | 21,514 sq. ft. |
| ○ Amount proposed | 41,838 sq. ft. |
| ○ Excess buffer for abstraction credit | 20,324 sq. ft. |

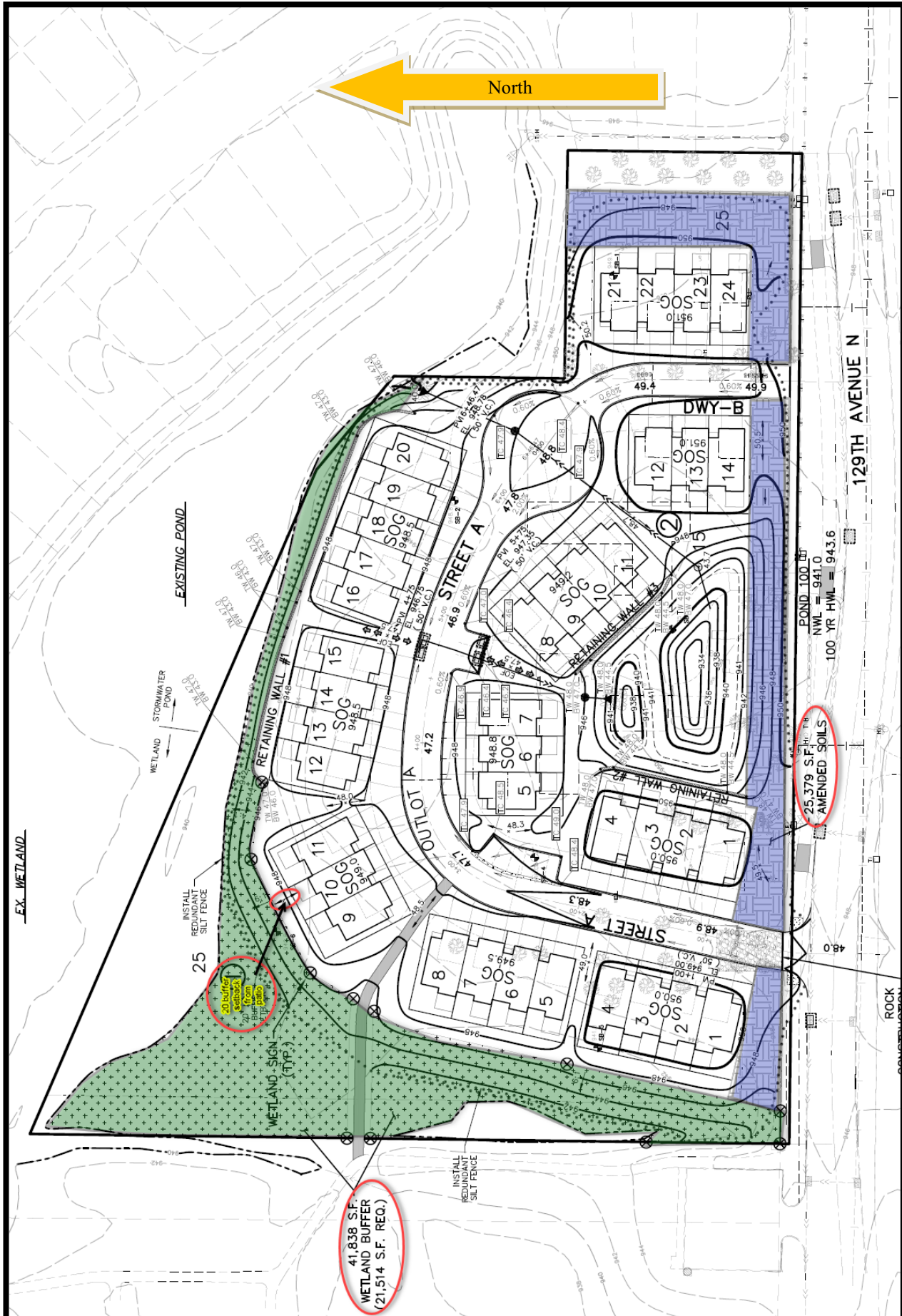
Recommendation: Approval contingent upon O & M plan requirements for the stormwater pond and irrigation system.

Hennepin County
Department of Environment and Energy
Advisor to the Commission



August 8, 2019





elm creek

Watershed Management Commission

item 04a-2

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Comlink Midwest **Corcoran, Project #2019-022**

Project Overview: This is an existing 16.5-acre lot located in the SE quadrant of County Roads 19 and 10 in Burschville (Corcoran). The present land use is about 13 acres of cropland and 3.5 acres of wetland/farmstead/meadow. The applicant proposes to construct three new commercial/industrial buildings with adjacent parking and storage areas and future expansion to the northeast creating approximately 8.4 acres of new impervious areas. This project triggers the Commissions standards on Rule D (Stormwater), Rule E (Erosion and Sediment Control and Rule I (Buffer Strips).

Applicant: Comlink Midwest, Attention Scott Williams, 2415 Annapolis Ln N, Plymouth, MN 55441 Phone: 763.657.4100. Email scott.williams@comlinkmidwest.com

Agent/Engineer: Anderson Engineering of MN, LLC, Attention Edwin Brodmarkle, 13605 1st Avenue North, Suite 100 Plymouth, MN 55441. Phone: 763.412.4000. Email; EBrodmarkle@ae-mn.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval with application fee of \$4,185 received July 3, 2019.
- 2) Site Plan, Comlink Midwest, Corcoran Facility by Anderson Engineering, dated August 2, 2019.
 - a. Sheet V-1 Existing Conditions
 - b. Sheet C-1, Demolition Plan
 - c. Sheet C-2, Site and Utility Plan
 - d. Sheet C-3, Phasing Plan
 - e. Sheet C-4, Grading Plan
 - f. Sheets C-5 & C-6 Stormwater Pollution Prevention Plan
 - g. Sheet C-7 Lighting Plan
 - h. Sheets C-8 to C-10 Details
 - i. Sheet L-1 & L-2, Landscape Plan and Details.
- 3) Certificate of Survey by Northstar Surveying dated November 12, 2018.
- 4) ECWMC project file, 2018-051W, 23405 Co. Rd. 10, Corcoran Land Holdings Wetland Delineation.

- 5) Stormwater Management Plan by Anderson Engineering. Latest revision date of August 2, 2019

Findings:

- 1) A complete application was received July 3, 2019. The initial 60-day decision period expires on September 1, 2019.
- 2) The current land use is about 13 acres of cropland and 3.5 acres of wetland/farmstead/meadow. The applicant proposes to construct three new commercial/industrial buildings with adjacent parking and storage areas and a future expansion area. These activities will create approximately 8.4 acres of new impervious areas in the ultimate build-out scenario. This review is for the ultimate build out of the site (approximately 50% impervious area) and its conformance to the Commission's 3rd Generation SWMP Rule D (stormwater management). It is also for the review of the first phase of the grading and erosion controls. Phase I is the construction of the SE building, an access road, a large storage area, septic system, well and storm water ponds.
- 3) The City of Corcoran is the LGU in charge of administering the 1991 Wetland Conservation Act on this site.
 - o The appropriate permissions from the City of Corcoran will be necessary for a 542 sq. ft. of wetland fill on Wetland #3. A de minimis exemption is requested for this impact.
- 4) The project will include site clearing and demolishing of existing structures, construction of building and parking lot facilities for Phase I, installation of individual sewage treatment system (ISTS) and well for sewer and water provisions, and mass grading for Phases II and III.

Stormwater Management (Rule D)

- 5) The existing drainage pattern of the site is generally split to the north and south. The south side drains to the south and southeast corner of the site and then surface drains across the neighboring farmland approximately 250 into the North Fork of Rush Creek. The north side of the property drains into the existing wetlands on site and then into the County Road 10 ditch, flowing east for about 375 feet before entering the North Fork of Rush Creek.
- 6) Two stormwater basins are proposes for stormwater management for this site development. One basin will be a dry, filtration pond, the other as a wet-detention pond with a 10-foot sand bench for abstraction stormwater control. Stormwater management is designed to treat and manage the stormwater from the final build out of all three phases and the future development in the NE corner of the site.
- 7) The north parking lot and northern building will drain to the filtration basin then into the existing road ditch on CR 10. From there it flows about 375' before running into the North Fork of Rush Creek. The south portion of the property will be captured and directed into a stormwater pond constructed in the southeast corner of the property. The pond will act as the primary treatment of the site runoff. It is proposed to outlet at the SE property corner. From there it will flow overland about 250 feet before entering the North Fork of Rush Creek.

- 8) An Operation and Maintenance plan agreement must be approved by the City of Corcoran and the ECWMC and recorded on this property title. A copy of the recorded document, with the Hennepin County Document Number must be provided to the Commission.

-Rate Controls will meet the Commission requirements.

- 9) Before and after rate controls are as follows;

	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Pre-Development Rates	21.3	38.4	75.3
Post-Development Rates	4.9	16.3	40.0

- 10) Note; the City of Corcoran should be cautious about the flows from the pond in the SE corner of this site after development for the following reasons;
- The pond outlet will concentrate and flows at this point creating conditions unfavorable to farming on the adjacent property.
 - Prolonged flows from the filter bench tile will create longer duration wetness at the outlet pipe.

-Abstraction Controls will meet the Commission's requirements;

- 11) There will be 8.4 acres (50%) of new impervious areas created from the ultimate build out proposed. This equates to 33,530 cubic feet of abstraction volume required (approximately 51% impervious area on the 16.5 acre parcel) .
- 12) The SE pond is designed as a wet detention pond with a filter bench around its NWL perimeter. There will be 35,550 cubic feet of temporary storage area created between the normal water elevation of the pond (the filter bench, elevation 994.0) and the primary outlet control elevation (elevation 995.3).
- 13) The north pond is designed as a dry, filter basin. There will be 5,321 cubic feet of water volume (abstraction) filtered through this basin when it received water from the site.
- 14) Drawdown is estimated at 19.5 hours from the north filter basin and 32.7 hours on the south pond/filter bench.

-Water Quality Controls will meet the Commission's requirements.

- 15) Water quality controls based on the MPCA MIDS model was provided to the Commission for their review. Applicants MIDS routed BMP's incorrectly (filter basin routed into the wet pond) on the SE ponding basin. The following summary is the correct routing (wet pond into filter basin) done by EC staff.

Stormwater Quality Summary

Condition (17.6 acres)	TP Load* (lbs/yr)	TSS Load* (lbs/yr)	Abstraction by filtration (cu. ft.)	Annual Volume (ac. ft.)
Pre-development (baseline)	8.8	1601	N/A	10.8
Post-development without BMPs	19.0	3456	33,530	23.3
Post-development with BMPs	8.3	867	40,871	20.3
Net Change	-0.5	-734	-7,341	+9.5

Wetland Buffers (Rule I)

16) Wetland buffers meet the Commission's width standard of 25' average and 10' minimum.

Erosion and Sediment Control (Rule E)

17) Erosion and sediment controls meet the Commission requirements.

Floodplain (Rule F)

18) The 100-year flood elevation on the North Fork of Rush Creek is 992.0 in this area.

19) Based on the existing topography, the lowest elevation on this property is above the FEMA 100-year flood elevation . No impacts to the floodplain will occur from this project.

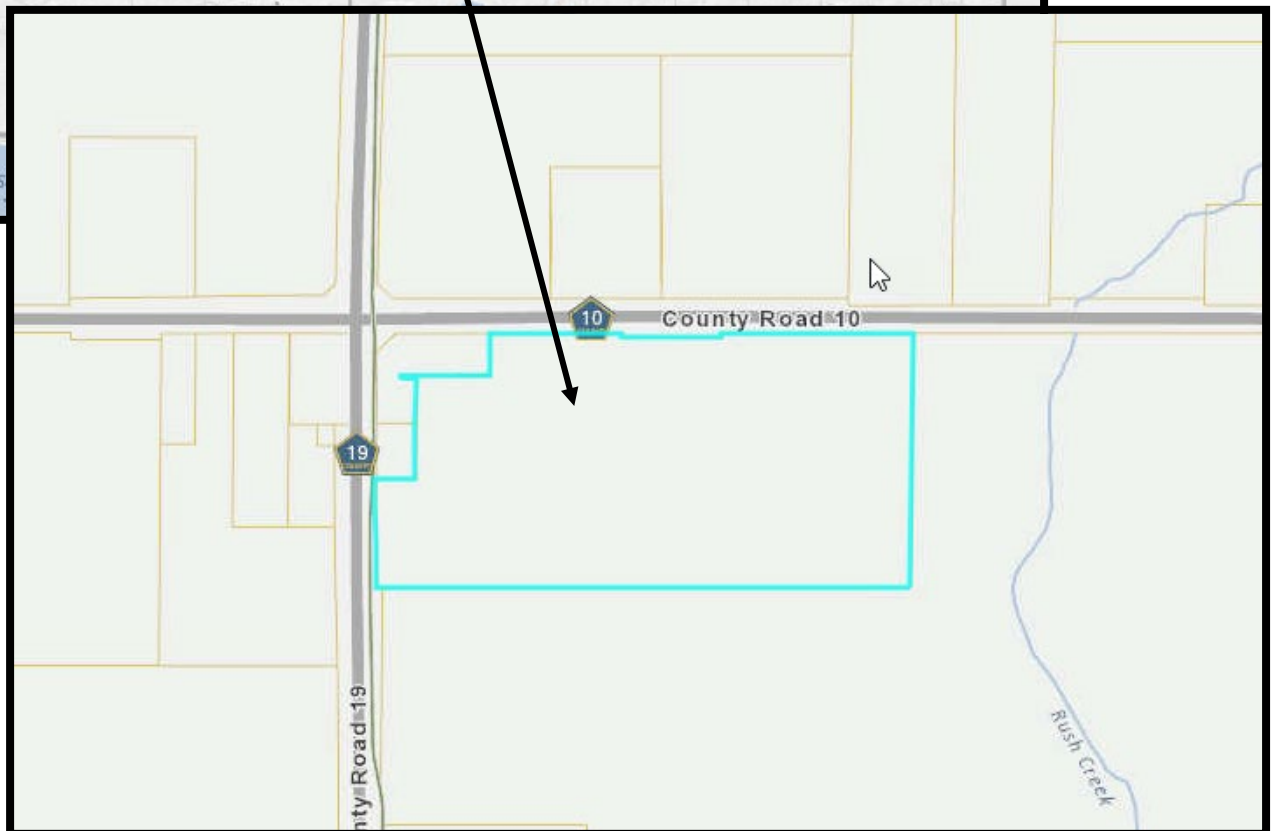
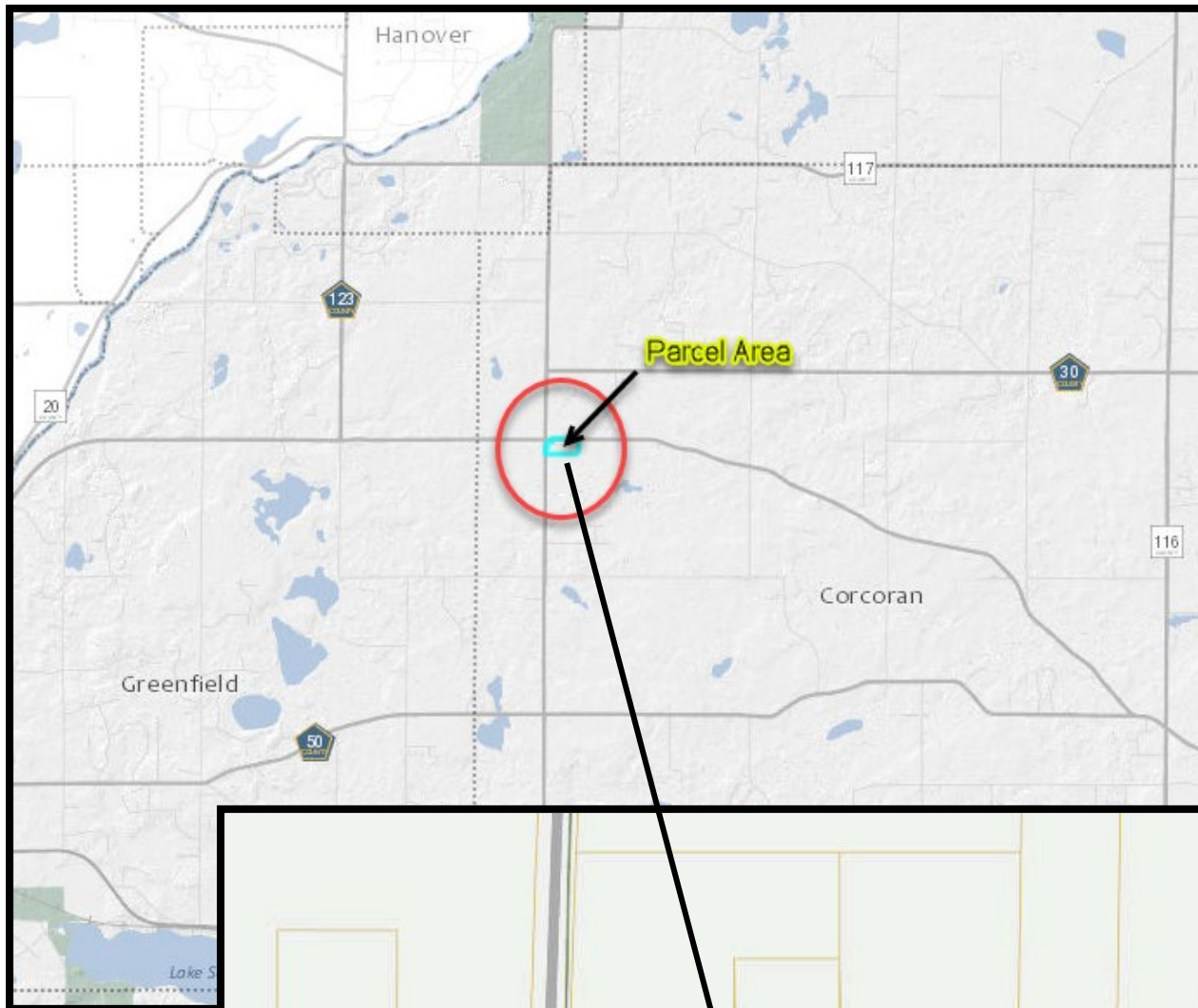
Recommendation: Approval contingent upon;

- An Operation and Maintenance plan agreement must be approved by the City of Corcoran and the ECWMC and recorded on this property title. A copy of the recorded document, with the Hennepin County Document Number must be provided to the Commission.

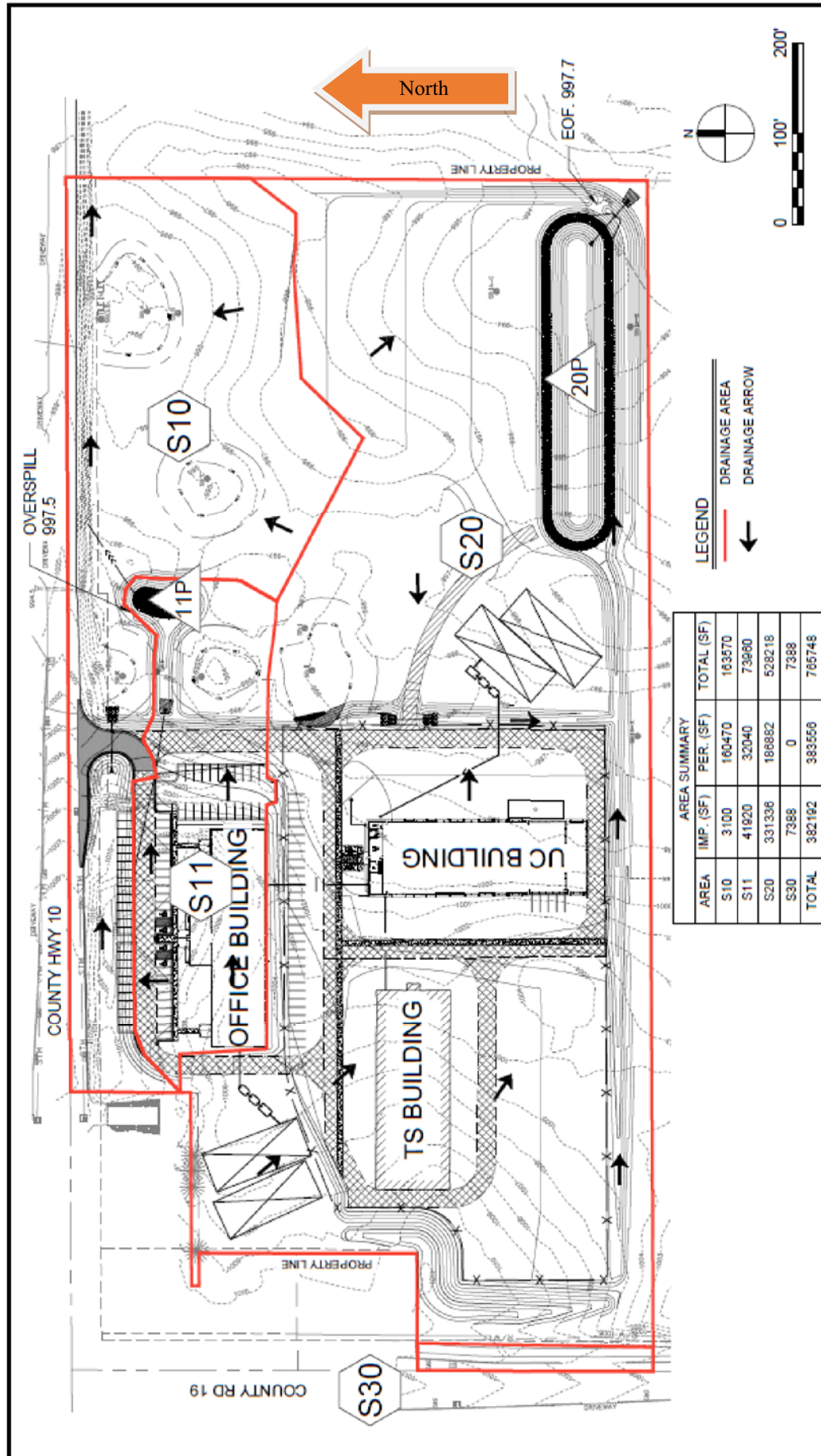
Hennepin County
Department of Environment and Energy
Advisor to the Commission



August 6, 2019
Date







Elm Creek Watershed Management Commission Project Review Fee Schedule and Worksheet

The following projects require review: Any land-disturbing activity or the development or redevelopment of land as listed in Rule D.2. of Appendix O of the Commission's Watershed Management Plan. **The review period will not begin until the Commission has received a completed application form bearing city authorization to proceed, all appropriate materials, and fees.**

				Amount Due
I. Application Fee				\$ 50.00
<i>Note: When calculating acreage, round up to nearest whole no. Example, 31.35 acres = 32 acres.</i>				
II. Project Reviews				
A. New Development - Area is the Site Area				
1 Residential				
0 to 20 acres = Area x \$100				
21 to 100 acres = \$2,000 + (Area minus 20 acres) x \$75				
101 + acres = \$8,000 + (Area minus 100 acres) x \$20				
maximum fee = \$10,000 + application fee				
2 Commercial/industrial/institutional/governmental agency development project				
0 to 40 acres = Area x \$250				
41 + acres = \$10,000 + (Area minus 40 acres) x \$75				
maximum fee = \$12,250 + application fee				
B. Re-Development				
1 For Re-Development use the " New Development " rates above but use Disturbed Area (in acres) instead of Site Area				
Note: If more than 50% of the site is disturbed for a Re-Development project, use the New Development fee formula with Site Area				
C. Development / Re-development with mapped floodplains on site				
1 No impact or impacts ≤ 100 cubic yards.				\$ 100
2 Impacts ≥ 100 cubic yards.				\$ 500
D. Linear Projects Sidewalks and trails that do not exceed twelve feet in width, are not constructed with other improvements, and have a minimum of five feet of vegetated buffer on both sides are exempt from Stormwater Management requirements (Rule D), but have to comply with Erosion and Sediment Control requirements (Rule E). Impervious area includes any compacted gravel surface such as road shoulders, parking lots and storage areas.				
1 1.0 - 2.0 acres new impervious surface = \$500				
2 Over 2.0 acres new impervious surface = \$500 + (new impervious area minus 2.0 acres) x \$250				
maximum fee = \$5,000 + application fee				
E. Drainage alterations - Any culvert installation or replacement, bridge construction, stream cross-section alteration, or activity requiring a DNR Waters Permit				
1 on Elm, Rush, North Fork Rush, or Diamond Creeks				\$ 500
2 on all other tributaries within the watershed				\$ 100
F. Water appropriation permit (two years)				\$ 50
III. Failure to make application and receive approval prior to beginning work results in doubling of fees				
Total fees				1
Double Fee if III. applies				1
Total due (Line 1 or 2)				

(for office use only)

**Date Application Received
by Commission**

Project No.

Fee Received

Site Area = new development area. (Acreage is based on Site Area)

Buildable Area = site area excluding wetlands and floodplains. Rights-of-way are included in buildable area. Acreage is based on total Site Area unless noted

Disturbed Area = any change in existing land surface.

Density = number of units per buildable area prior to development.

Site Area =
 Buildable Area =
 Disturbed Area =
 Density =

Elm Creek Watershed Management Commission
 Project Review Fee Schedule and Worksheet

Project Name **item 04b**

I. No applications will be reviewed until the Commission receives a completed application form, all appropriate materials, and fees. The following projects require review: Any land-disturbing activity or the development or redevelopment of land as listed in Rule D.2. of Appendix O of the Commission's Watershed Management Plan. The review period will not begin until the Commission has received a completed application form, all appropriate materials, and fees.			
			Amount Due
II. I. Application Fee			\$ 50.00
III. II. Project Reviews			
A. New Development - Area is the Site Area			
1	Residential		
a.	High density ⁴ — more than 40% impervious area ²		
	0 to 20 acres = Area x \$100		
	21 to 100 acres = \$2,000 + (Area - 20) x \$75		
	101 + acres = \$8,000 + (Area - 100) x \$20		
	maximum fee = \$10,000 + application fee		
b.	Low density — less than 40% impervious area		
	0 to 100 acres = Area x \$50		
	101 to 150 acres = \$5,000 + (Area - 100) x \$20		
	maximum fee = \$6,000 + application fee		
2	Commercial/industrial/institutional/governmental agency development project		
	0 to 40 acres = Area x \$250		
	41 + acres = \$10,000 + (Area - 40) x \$75		
	maximum fee = \$12,250 + application fee		
B. Re-Development			
1	For Re-Development use the " New Development " rates above but use Disturbed Area (in acres) instead of Site Area		
	Note : If more than 50% of the site is disturbed for a Re-Development project, use the New Development fee formula with Site Area		
C.	<u>Linear Projects⁴ Sidewalks and trails that do not exceed twelve feet in width, are not constructed with other improvements, and have a minimum of five feet of vegetated buffer on both sides are exempt from Stormwater Management requirements (RULE D), but have to comply with Erosion and Sediment Control requirements (RULE E). Impervious area includes any compacted gravel surface such as road shoulders, parking lots and storage areas.</u>		
1	1.0 - 2.0 acres new impervious surface = \$500		
2	Over 2.00 acres new impervious surface = \$500 + (new impervious area - 2) x \$250		
	maximum fee = \$5,000 + application fee		
D.	Drainage alterations - Any culvert installation or replacement, bridge construction, stream cross-section alteration, or activity requiring a DNR Waters Permit		
1	on Elm, Rush, North Fork Rush, or Diamond Creeks	\$	500
2	on all other tributaries within the watershed	\$	100
E.	Water appropriation permits (two years)		
		\$	50
III. Wetland Project Fees			
F.	Wetland fees apply in the communities (Champlin and Corcoran) where the Commission is the LGU for the Wetland Conservation Act (WCA) and are in addition to the project fees.		
1	Exemption certificates	\$	100
2	Determinations	\$	100
3	Delineation review	\$	250
4	Pond Excavations	\$	100
5	Wetland replacement plans <10,000 SF impact on single basins or <1/4 acre impact for private dr	\$	400
6	All other replacement plans	\$	2,500
7	Replacement plan in conjunction with wetland banking	\$	3,500
a.	All other wetland banking applications	\$	3,500
	Additional wetland replacement plan and banking application escrows and sureties are determined on a site-specific basis. (See page 2.)		
IV. III. Failure to make application and receive approval prior to beginning work results in doubling of fees			
			Total fees 1
4	The following projects require review: Any land-disturbing activity or the development or redevelopment of land as listed in Rule D.2. of Appendix O		
2	Density = number of units per buildable area prior to development. Buildable area = Site Area excluding wetlands and floodplains. Rights of way are included in buildable area. Acreage is based on total Site Area unless noted.		
3	Impervious area includes any compacted gravel surface such as road shoulders, parking lots and storage areas.		
4	Sidewalks and trails that do not exceed twelve feet in width, are not constructed with other improvements, and have a minimum of five feet of vegetated buffer on both sides are exempt from Stormwater Management requirements (RULE D), but have to comply with Erosion and Sediment Control requirements (RULE E).		
			Double Fee if III. applies 1
			Total due (Line 1 or 2)

Site Area =
 Buildable Area =
 Disturbed Area =
 Density =

Elm Creek Watershed Management Commission
Project Review Fee Schedule and Worksheet
 Effective July 28, 2015

Project Name **Item 04b**

I.	No applications will be reviewed until the Commission receives a completed application form, all appropriate materials, and fees.			Amount Due
II.	Application Fee			\$ 50.00
III.	Project Reviews ¹			
	A. New Development - Area is the Site Area			
	1	Residential		
		a.	High density ² - more than 40% impervious area ³	
			0 to 20 acres = Area x \$100	
			21 to 100 acres = \$2,000 + (Area - 20) x \$75	
			101 + acres = \$8,000 + (Area - 100) x \$20	
			maximum fee = \$10,000 + application fee	
		b.	Low density - less than 40% impervious area	
			0 to 100 acres = Area x \$50	
			101 to 150 acres = \$5,000 + (Area - 100) x \$20	
			maximum fee = \$6,000 + application fee	
	2	Commercial / industrial / institutional / governmental agency development project		
			0 to 40 acres = Area x \$250	
			41 + acres = \$10,000 + (Area - 40) x \$75	
			maximum fee = \$12,250 + application fee	
	B. Re-development			
	1	For Re-development use the "New Development" rates above but use <i>Disturbed Area</i> (in acres) instead of <i>Site Area</i>		
		Note: If more than 50% of the site is disturbed for a Re-development project, use the <i>New Development</i> fee formula with <i>Site Area</i>		
	C. Development / Re-development with mapped floodplains on site			
	1	No impact or impacts ≤ 100 cubic yards.	\$ 100	
	2	Impacts ≥ 100 cubic yards.	\$ 500	
	D. Linear Projects ⁴			
	1	1.0 - 2.0 acres new impervious surface = \$500		
	2	Over 2.00 acres new impervious surface = \$500 + (new impervious area - 2) x \$250		
		maximum fee = \$5,000 + application fee		
	E. Drainage alterations - Any culvert installation or replacement, bridge construction, stream cross-section alteration, or activity requiring a DNR Waters Permit			
	1	on Elm, Rush, North Fork Rush, or Diamond Creeks	\$ 500	
	2	on all other tributaries within the watershed	\$ 100	
	F. Water appropriation permits (two years)			\$ 50
IV	Wetland Project Fees			
	G. Wetland fees apply in the communities (Champlin and Corcoran) where the Commission is the LGU for the Wetland Conservation Act (WCA) and are in addition to the project fees.			
	1	Exemption certificates	\$ 100	
	2	Determinations	\$ 100	
	3	Delineation review	\$ 250	
	4	Pond Excavations	\$ 100	
	5	Wetland replacement plans <10,000 SF impact on single basins or <1/4 acre impact for private driveways	\$ 400	
	6	All other replacement plans	\$ 2,500	
	7	Replacement plan in conjunction with wetland banking	\$ 3,500	
	a.	All other wetland banking applications	\$ 3,500	
	Additional wetland replacement plan and banking application escrows and sureties are determined on a site-specific basis. (See page 2.)			
V.	Failure to make application and receive approval prior to beginning work results in doubling of fees.			
			Total fees	1
1	The following projects require review: Any land disturbing activity or the development or redevelopment of land as listed in Rule D. 2. (Appendix O).		Double Fee if V. applies	2
			Total due (Line 1 or 2)	
2	Density = number of units per buildable area prior to development. Buildable area = Site Area excluding wetlands and floodplains. Rights-of-way are included in buildable area. Acreage is based on total Site Area unless noted.			
3	Impervious area includes any compacted gravel surface such as road shoulders, parking lots and storage areas.			
4	Sidewalks and trails that do not exceed twelve feet in width, are not constructed with other improvements, and have a minimum of five feet of vegetated buffer on both sides are exempt from Stormwater Management requirements (RULE D), but has to comply with Erosion and Sediment Control requirements (RULE E).			

ON WEBSITE



Technical Memo

To: Elm Creek Watershed Management Commission

From: Sarah Nalven, Wenck Associates-- *on behalf of the City of Dayton*

Date: July 31, 2019

Subject: Request for additional \$1,000 for Diamond Creek subwatershed assessment

The City of Dayton is requesting an additional \$1,000 from the Elm Creek Watershed Management Commission (the Commission) to fund the Diamond Creek subwatershed assessment. At their meeting on February 13, 2019, the Commission agreed to contribute 25% of the cost of the project, or \$13,750 of the \$55,000 project. However, the project did not move forward this summer due to lack of adequate grant funding.

Instead, in the last few months the project study area was expanded to include the entire Diamond Creek HUC12 boundary, which includes more of the Diamond Creek corridor within Three Rivers Park, additional developed areas within the City of Dayton, Hayden Pond near the confluence of Diamond Creek and Elm Creek, and a small portion of the City of Champlin (Figure 1). The City hopes that expanding the study area to include more resources and project partners will increase the chances of securing future grant funding for implementation. As a result of these altered boundaries, the project cost has increased from \$55,000 to \$59,000.

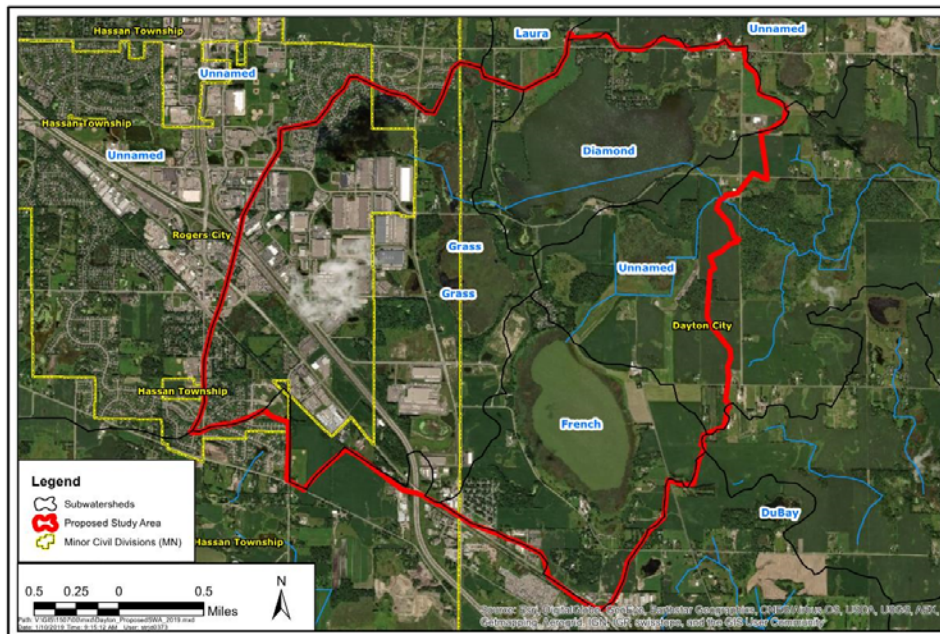
The City of Dayton has agreed to fund the balance of the project cost (formal approval was given at the July 9th City of Dayton Council meeting). At this time, the City is asking the Commission to consider providing a 25% cost-share of the new project cost, or \$14,750 of the \$59,000 project. This is a \$1,000 increase from the cost-share that the Commission already agreed upon in February. Thank you for your consideration.

Elm Creek Watershed
Management Commission
July 31, 2019

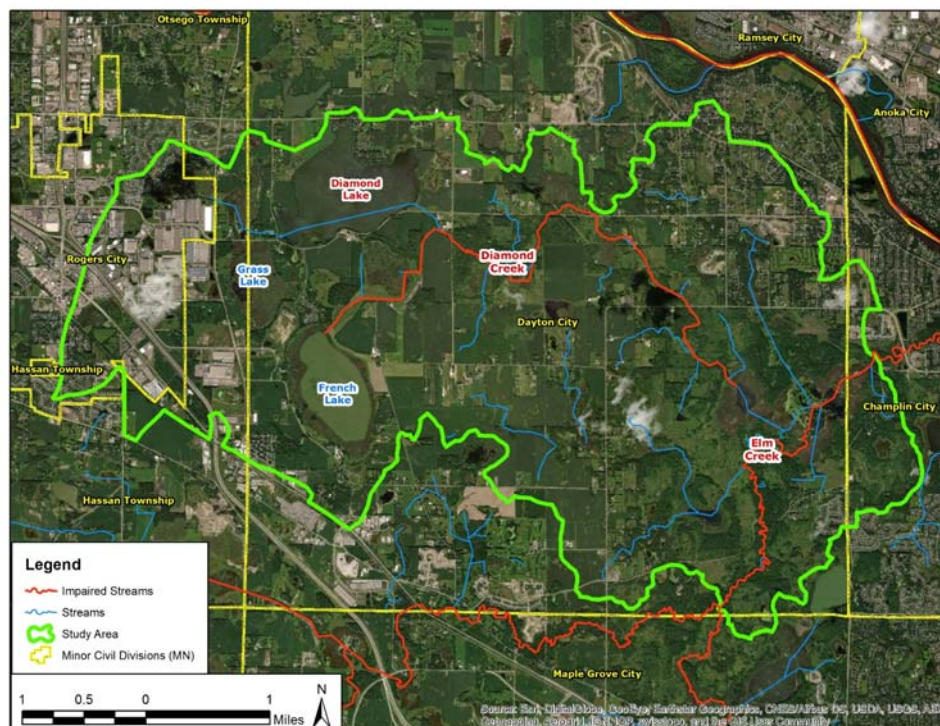


Figure 1. Previous (a) and updated (b) boundaries of the Diamond subwatershed assessment area.

a.



b.



Judie Anderson

From: John Linc Stine <JLStine@freshwater.org>
Sent: Thursday, August 01, 2019 10:41 AM
To: Judie Anderson
Subject: Partnering for lowering salt in our waters - Road Salt Symposium
Attachments: Sponsorship_RoadSalt_Freshwater_Oct2019.pdf

Greetings, Judie – thanks for taking my call about this and about connecting in-person sometime for a “Freshwater feedback” conversation. I am really looking forward getting your input as I begin my work here at Freshwater. I have openings (usually on Wednesday or Thursday) later in August and September and we can meet at a location that’s convenient for you.

19 years ago, Freshwater began hosting our annual Road Salt Symposium. This one-day event features the people that have the difficult task of balancing transportation, successful business operations and environmental protection. People like snow plow operators, public works officials, MnDOT planners and road maintenance experts and private business owners and contractors who consistently say they love this Symposium because they are hearing directly from each other about their real world experiences with reducing salt pollution to Minnesota’s freshwater. The Symposium is making a difference – we will hear again from business and government folks who are saving money while protecting freshwater!

This year, after getting lots of helpful feedback from the nearly 300 folks who annually attend the Road Salt Symposium, we adjusted this event away from winter to be in the Fall - on Oct. 24, 2019 in the northeast Metro – at Jimmy’s Event Center in Vadnais Heights. We think it’s best to get a jump on the snow and ice season by holding the event in October – that’s our goal going forward. The attached flyer gives all the details.

We would love to have your watershed organizations (Elm Creek, Shingle Creek and West Mississippi) as a sponsor again at this year’s 19th Annual Road Salt Symposium! We enjoy extensive media coverage every year, and we expect significant interest again in this year’s event. Although we are holding two events in the same year, this should be the only time that happens. I hope you can find a sponsorship level that fits your interests.

I appreciate your willingness to present our request to you board at their upcoming meeting. The flyer shows sponsorship levels and what comes with each. It also includes a breakdown of our audience of MnDOT, municipal, and private maintenance professionals. Please call me if you have any questions.

Best regards,

John Linc Stine *Executive Director*
 Freshwater Society
 2424 Territorial Rd Suite B
 St. Paul, MN 55114
 (651) 313-5811 Desk
 (651) 468-7075 Mobile

FRESHWATER

Inspiring and empowering people to value and conserve our freshwater resources

Like us on [Facebook](#), follow us on [Twitter](#), read our [Blog](#) and keep updated on your water news and events.

19TH ANNUAL ROAD SALT SYMPOSIUM SPONSORSHIP OPPORTUNITY



Why sponsor?

The Annual Road Salt Symposium is the region's premiere event focused on the latest innovations, trends, and best practices for reducing salt use while maintaining safe roads. The symposium has doubled attendance in recent years to over 300, with attendees from around the region eager to share ideas about wise salt use, creating a win-win that protects our communities *and* our environment. The symposium is co-hosted with Connie Fortin of Fortin Consulting, a leader in the chloride reduction field.

This high profile event is often featured by local news stations. Sponsors are promoted in print and digital marketing channels that reach thousands. With dozens of lakes statewide having excessive levels of chloride from road salt runoff, we must continue to educate people and develop strategies for reducing salt use. Your sponsorship will show your support for this important topic and help keep Minnesota on the leading edge of finding solutions.

What we do

Freshwater is a nonprofit organization working to inspire and empower people to value and preserve our freshwater resources. We focus on ensuring Minnesota's groundwater supplies are sustainable and preventing polluted runoff from contaminating our lakes, rivers, and streams.

See reverse for sponsorship levels.



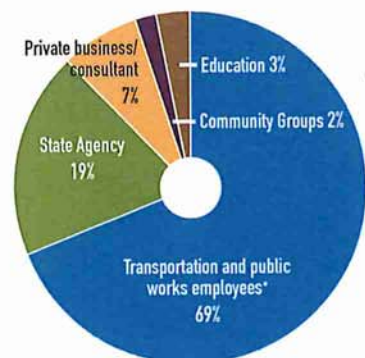
EVENT DETAILS

WHAT: 19th Annual Road Salt Symposium, a high profile, day-long conference on trends and techniques in winter road maintenance that are a win-win for both public safety and the health of lakes and streams.

WHEN: Thursday, October 24, 2019

WHERE: Jimmy's Event Center, Vadnais Heights

WHO: Transportation and public works employees, local government and state agency staff, private businesses, and community groups



Attendees

*city, county, regional, tribal

ROAD SALT SYMPOSIUM SPONSORSHIP LEVELS

***SIGN UP
BY AUGUST 31 FOR
TWO ADDITIONAL FREE
REGISTRATIONS AT
CHAMPION & STEWARD
LEVELS**

	CHAMPION* (\$5,000)	STEWARD* (\$2,500)	SUSTAINER (\$1,000)	ENTHUSIAST (\$500)
Logo display** print & digital (invitations***, event program and signage, website, social media)	X	X	X	X
On-screen display at symposium	X	X	X	X
Event registrations included	Three	Two	One	
Verbal recognition from podium†	X	X	X	
Vendor table	Full table, premier placement	Full table	Exhibit space	
Logo printed on table displays	X	X		
Optional promotion item at each event seat*	X			

*Promotional item subject to agreement

**Logo placement and dimensions commensurate with level

***Sponsorship must be confirmed early to ensure this benefit

† Contact Mary to discuss an opportunity to speak from the stage.

Freshwater Society is a 501(c)(3) nonprofit organization. Your contribution is tax deductible to the fullest extent of the law.

To sponsor, contact Mary Salisbury at 651-313-5817
or msalisbury@freshwater.org.

Interested in becoming the lead sponsor?
Contact Mary to discuss the custom benefits.

Learn more about the Road Salt Symposium:
freshwater.org/road-salt

**MARKETING
REACH**

Facebook/Twitter	3K+
Email invites	11K
Newsletter/blog	3K+
Annual report	8K
Gala attendees	300+



ELM CREEK RESTORATION

Presented by
Ed Matthiesen, PE
Lucius Jonett, PLA
Ben Scharenbroich

PROJECT OVERVIEW



WHY – EXISTING PHOTOS



Elm Creek is impaired for excess nutrients.



EXISTING PHOTOS



EXISTING PHOTOS



EXISTING PHOTOS



EXISTING PHOTOS



EXISTING PHOTOS



SUMMARY OF PROPOSED PROJECT

Goals:

1. Reduce phosphorous and total suspended solids levels as part of the reductions needed to satisfy TMDL requirements.
 2. Incorporate stream restoration and water quality components that will improve dissolved oxygen and the index of biotic integrity in the likelihood of additional biotic TMDL requirements coming in the near future.
- Approximately 0.8 miles of Elm Creek between Highway 55 and Wayzata High School will be restored and stabilized.

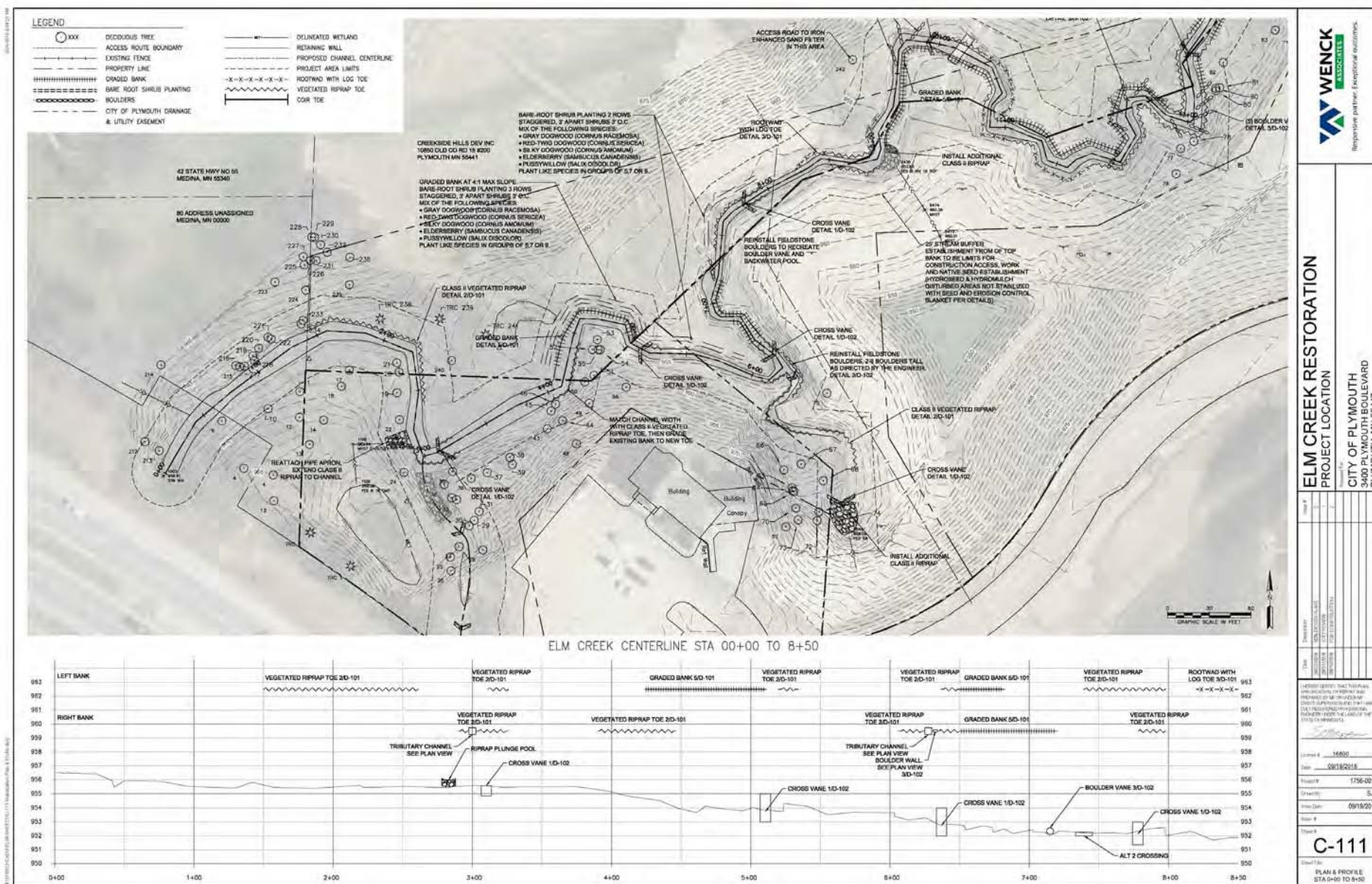
SUMMARY OF PROPOSED PROJECT

Treatments:

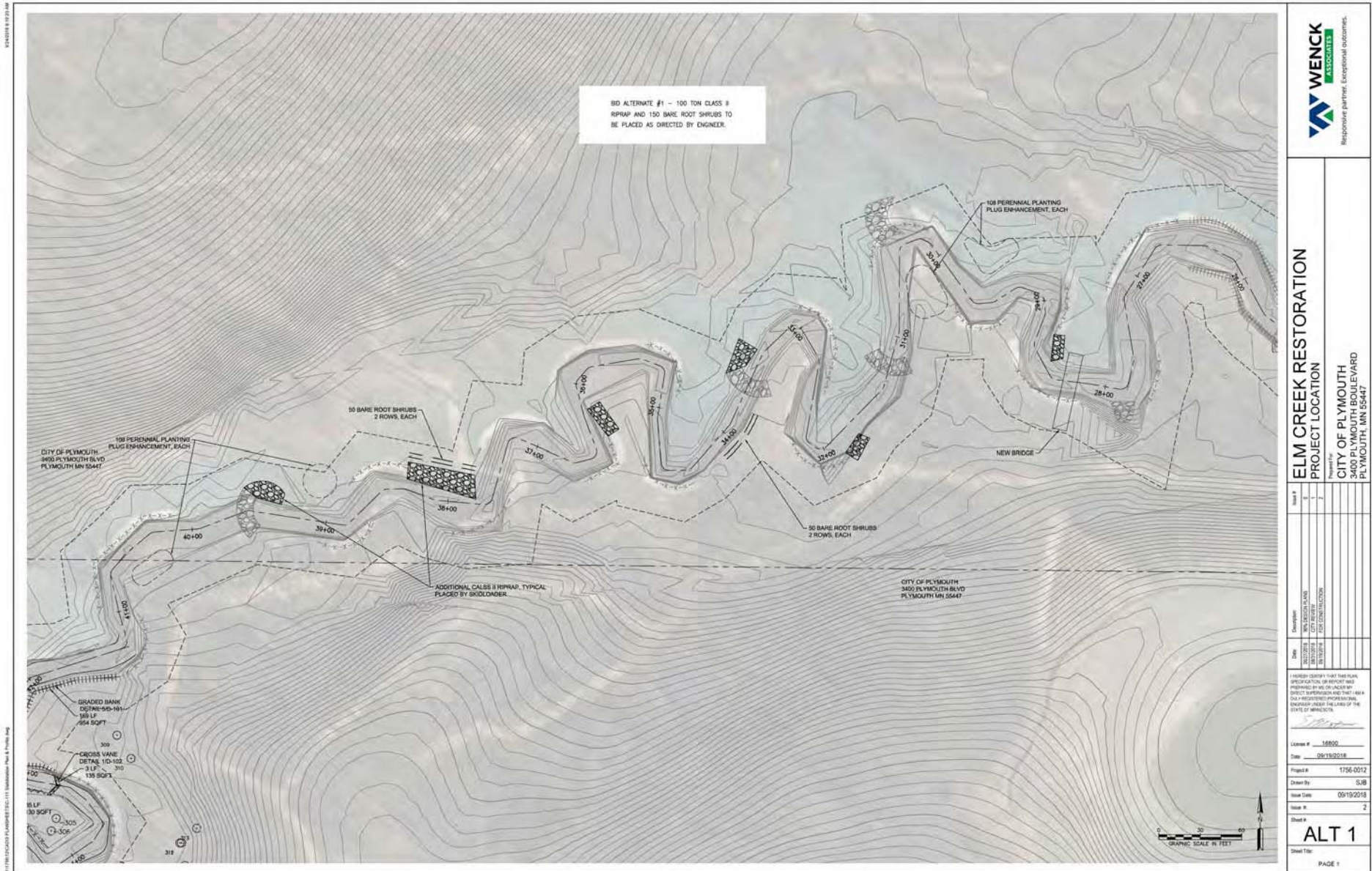
1. **Grade Control Structures** – install cross vanes with boulders and locally available rock to stabilize the channel grade and provide in-stream habitat and re-aeration.
2. **Vegetated Buffer Improvement** – implement selective tree thinning in areas to increase grass and forb cover on the streambanks to improve stability.
3. **Toe Protection** – stabilize the outer banks of the naturally meandering stream with vegetative riprap, rootwads and log toes for resistive flow protection to redirect stream flow away from the toe.
4. **Native floodplain vegetation** in disturbed areas within the 100-year floodplain to improve soil holding capability with deep rooted vegetation.

POLLUTANT REMOVAL ESTIMATES

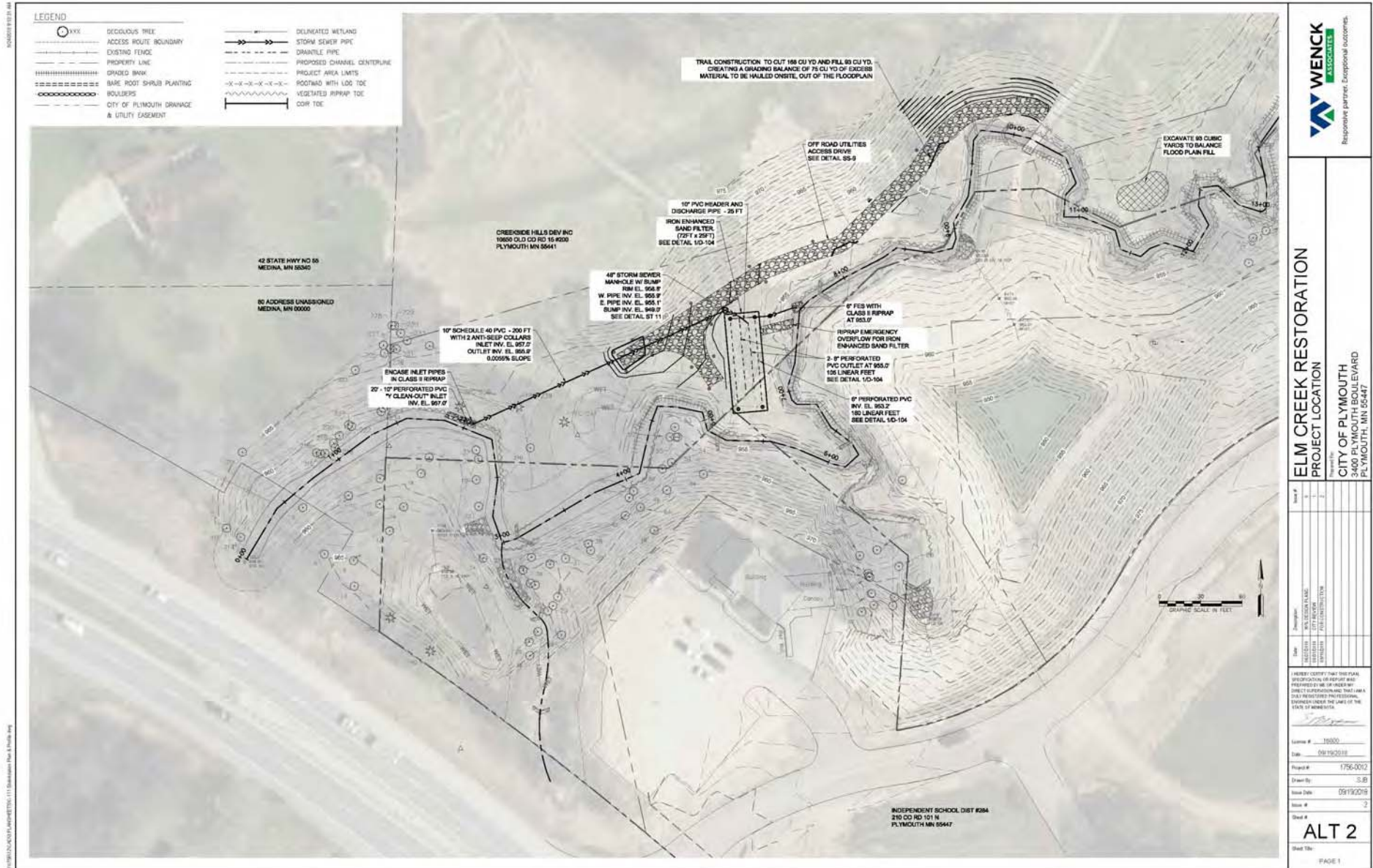
- Streambank Stabilization
 - TSS: 82 Tons/Year
 - TP: 32 lbs/Year
- Passive Iron Enhanced Filter
 - TP Load of 33 lbs/yr and a removal of about 25 lbs/yr (77% removal efficiency)



DESIGN – CONSTRUCTION PLANS



DESIGN – CONSTRUCTION PLANS



WHAT IT LOOKED LIKE DURING CONSTRUCTION



01/08/2019



04/09/2019

CONSTRUCTION PHOTOS



02/19/2019



12/26/2019

CONSTRUCTION PHOTOS



01/08/2019



12/26/2019

WHAT IT LOOKS LIKE NOW



05/30/2019



CURRENT PHOTOS



05/30/2019



05/30/2019

CURRENT PHOTOS



05/30/2019



06/13/2019

CURRENT PHOTOS



06/25/2019



06/25/2019

REMAINING SCHEDULE

Schedule	
Winter Channel Construction Started	12-14-2018
Winter Channel Construction Completed	02-27-2019
Spring Restoration Completed	05-14-2019
Iron Enhanced Sand Filter Construction Started	06-03-2019
Iron Enhanced Sand Filter Construction Completed	06-13-2019
Construction Finished	06-25-2019
Ongoing Vegetation Establishment & Warranty	
Fall 2019 Walkthrough	October 30, 2019
Spring 2020 Walkthrough	June 30, 2020
Fall 2020 Walkthrough	October 30, 2020
Project Finished	October 30,2020

CONSTRUCTION COST


Pre-Bid Estimate:

- \$775,000 – combined based bid
- \$28,000 Bid Alt. #1 – Touchup Downstream Improvements
- \$131,000 – Bid Alt. #2 – Iron Enhanced Filter
- **\$934,000 - total**

Construction Contract (Following Bidding):

- \$445,362.00 – combined based bid
- \$16,187.00 – Bid Alt. #1 – Touchup Downstream Improvements
- \$90,905.00 – Bid Alt. #2 – Iron Enhanced Filter
- \$7,593.30 – Change Orders
- **\$560,047.30 - total**

Actual Spent = \$585,749.32



QUESTIONS





Responsive partner.
Exceptional outcomes.



From: Karen Galles <Karen.Galles@hennepin.us>

Sent: Thursday, August 08, 2019 2:42 PM

To: Karen Galles <Karen.Galles@hennepin.us>

Cc: James C Kujawa <James.Kujawa@hennepin.us>; Kristine M Maurer <Kristine.Maurer@hennepin.us>

Subject: Hennepin County Opportunity Grants

Hi all,

Just a reminder that Hennepin County offers Opportunity grants, ideal for larger project seeking to leverage multiple funding sources. These grants are intended to help partners (you all!) take advantage of grant programs to implement projects to improve surface or ground water quality/quantity, or preserve, establish, or restore natural areas. These grants are often used as required match for other funding sources, and given some of the open RFPs right now (e.g. [BWSR's Clean Water Fund](#) or [Met Council's Water Efficiency Grant Program](#)), I thought it would be a good time to reach out with a reminder.

Recent examples of awarded Opportunity Grants include the [Scenic Heights School Forest Restoration](#) (Riley Purgatory Bluff Creek WD), the [Autumn Ridge Apartments](#) (Shingle Creek WMC and Metro Blooms), and [Becker Park](#) (City of Crystal).

We anticipate making 1-2 additional grants in 2019 from applications received before September 27. Please reach out to Jim Kujawa (cc'd) or myself for an initial conversation about a project that might be a good fit. (We accept applications on a rolling basis – those received after September 27 will be considered for 2020 funding.)

All my best during this busy summer season!
Karen

Karen Galles

Hennepin County Environment and Energy

612-348-2027 (office) | 612-235-0712 (mobile)

Karen.Galles@hennepin.us

www.hennepin.us/environment

701 Building

701 Fourth Avenue South, Suite 700

Minneapolis, Minnesota 55415-1842

elm creek

Watershed Management Commission

item 10q

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
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99th Avenue Apartments **Maple Grove, Project #2019-023**

Project Overview: This is part of a 20.4-acre PUD proposed on the Hy-Vee North property located at the southeast corner of Maple Grove Parkway and MNDOT Highway 610. The site is proposed to be divided into two parcels. The west parcel will be approximately 12.0 acres and be used for the Hy-Vee development. The eastern 8.42 acres is this apartment project. The Hy-Vee development was reviewed and approved by the Commission under project 2016-047 and is considered active by the City of Maple Grove. This apartment project was part of the overall stormwater management plan and PUD factored into the Commission's approval but was not proposed for construction at that time. A stormwater facility along the ROW of Highway 610 was approved as part of a shared facility to manage stormwater from both projects. The PUD will create 12.25 acres of new impervious surface (about 60% impervious cover). The 99th Avenue Apartment site plans trigger the Commissions review for Rules D (stormwater management), Rule E (erosion control) and Rule I (wetland buffers).

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Agent/Engineer: Westwood Professional Services, Attention Brad Wilkening, 3710 12th St. N., Suite 2016, St. Cloud, MN 56303. Phone: 320-229-2329.
Email: brad.wilkening@westwoodps.com

Exhibits:

- 1) ECWMC Request for Plan Review and Approval with application fee of \$2,155 received July 25, 2019.
- 2) Project file, 2016-047, Hy-Vee North, Maple Grove.
- 3) Westwood memo regarding Hy-Vee Maple Grove Drainage Study Amendment to ECWMC dated July 23, 2019
- 4) Drainage Study, Hy-Vee North by Westwood, dated October 13, 2016.
- 5) 99th Avenue N. Apartments Preliminary Plans for Plat, Site, Grading, Utilities and Streets by Westwood dated July 12, 2019.
 - a. Sheet C000, Cover sheet
 - b. Sheet C100, Existing Conditions
 - c. Sheets C200 & C201, Tree Inventory
 - d. Sheet C300, Amended Overall PUD Plan
 - e. Sheet C301, Site Plan

- f. Sheet C301, Wetland Buffer Plan
- g. Sheet C400, Grading Plan
- h. Sheet C500, Erosion Control Plan
- i. Sheets C600 & C601, Sanitary, Watermain & Storm Sewer Plans
- j. Sheets C900 & C901, Details
- k. Sheets L100 & L101, Landscaping Plan and Details
- l. Sheets P100 & P101, Photometric Plans and Specs

Findings:

- 1) A complete application was received July 25, 2019. The initial 60-day decision period expires on September 23, 2019.
- 2) Hy-Vee North project 2016-047 approval was for;
 - a) 12.12 acres of new impervious areas over the PUD.
 - b) Updated impervious areas will be 12.25 acres.
- 3) Stormwater Management (Rule D) the proposed pond and the iron-enhanced filter bench around the pond will provide stormwater management. The approved impervious area was 12.12 acres. The revised plan will have 12.25 acres. This is not significant enough to change the overall stormwater management plan on this site. The pond is designed to treat runoff from the entire 20.4 acres. The outlet of the wetland located at the southwest corner of the project will be routed around the north side of the development. At the time of this review, it was not known if the outlet will be an open ditch or a pipe.
 - a) Rate discharge flows. The allowable (per the city and MnDOT models) and proposed discharge rates from the site PUD are as follows:

Storm Event	Allowed Existing Discharge Rate (cfs)	Proposed Discharge Rate (cfs)
2-year	13.0	10.0
10-year	33.3	25.0
100-year	50.5	38.1

Water Quality: Water quality and nutrient analysis are consistent with the approved PUD plan.

- a) The existing nutrient analysis for the 20.4 acres is 10.39 pounds of phosphorus per year.
- b) The post-development nutrient load is 67.69 pounds/year, before BMPs, and 7.79 lbs/year after development.
- c) The existing total suspended sediments (TSS) leaving the site is 285 lbs/year. The proposed pond and filtration system will reduce the TSS load leaving the site to 55 lbs/year.

Abstraction: Volume analysis:

- a) The volume abstraction requirement for runoff from 12.25 acres of new impervious surface is 1.12 acre-feet. Soils are not conducive for infiltration and other alternate abstraction credit methods were not proposed. Instead, the applicant treats the

nutrients to predevelopment levels and filter at least the required abstraction volume through the IEF system.

- b) The IEF system will filter about 1.21 acre-feet of volume in 48 hours during a 1-yr event.

Water Quality (Nutrient and TSS) and Runoff Volume Summary				
Condition 20.4 acres 12.25 acres new impervious	TP Load (lbs./yr) ¹	TSS Load (lbs./yr)	Filtered Volume (ac.-ft.)	Annual Volume (ac.-ft.)
Pre-development (baseline) Load	10.39	285	N/A	11.69*
Post-development Without Mitigation	67.69	8,287	1.12	
Post-development With Mitigation	7.79	55	1.21	25.69*
Net Change (“baseline” compared to “post-development with mitigation”)	-2.6	-230	-0.09	+14.0*

* staff analysis using MIDS calculator

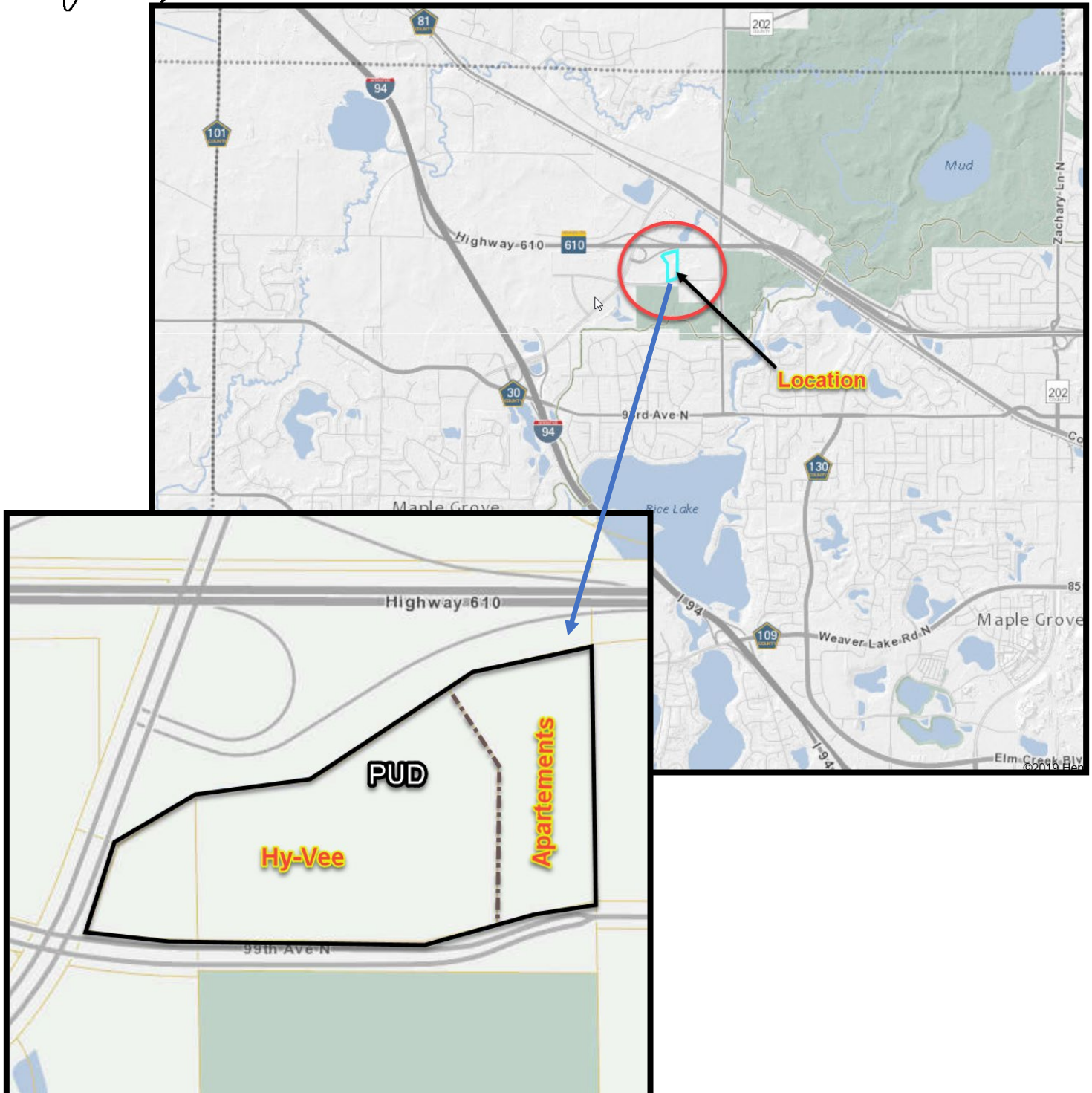
- 4) Wetland Buffer (Rule I) Site plans show buffers for this 8.4-acre parcel only. As part of the 2016-047 PUD review, the following conditions were set for buffer approval. These conditions must be part of this site plan approval as well.
- The PUD project has about 0.40 acres of buffer deficit (i.e. providing less than the 25 feet average buffers). The project is also proposing to build several retaining walls within 10 feet of the wetlands. Although this meets the minimum buffer width requirements, to mitigate the potential adverse impacts of the retaining wall, the applicant is proposing to provide improved buffer vegetation for all the buffer areas. The compensation for the buffer deficit will be done by creating a 0.47-acre improved buffer area on the northeast corner of the property, adjacent to the existing wetland (east side of the stormwater pond).
 - Improved buffers will have all noxious weeds removed and shall be seeded with MnDOT seed mix 35-241 Mesic Prairie General.
 - The buffer management plan received as part of the Hy-Vee project called “Buffer Installation, Management, and Performance Standards” must be shown on the plan sheets. All buffers must be placed under easements and restrictive covenants outlining the Buffer Installation, Management, and Performance Standards, and must be recorded with the title.
 - Additional buffers will be required if the wetland outlet is an open ditch. Average of 25 feet buffers will be required on the south side of the ditch (within Hy-Vee property). This would require approximately additional 0.27 acres of buffers. Plans must show where this additional buffer can be created.
 - All buffer boundary monuments must be shown on the plan sheets.
 - Plan shows an “Interstate Sign” within the buffer on the northeast corner of the site. This will be the only allowed structure within the buffers. The dimensions of the sign must be specified.
- 5) Erosion and Sediment Control (Rule E) Site plans conform to the Commission’s E&SC standards.

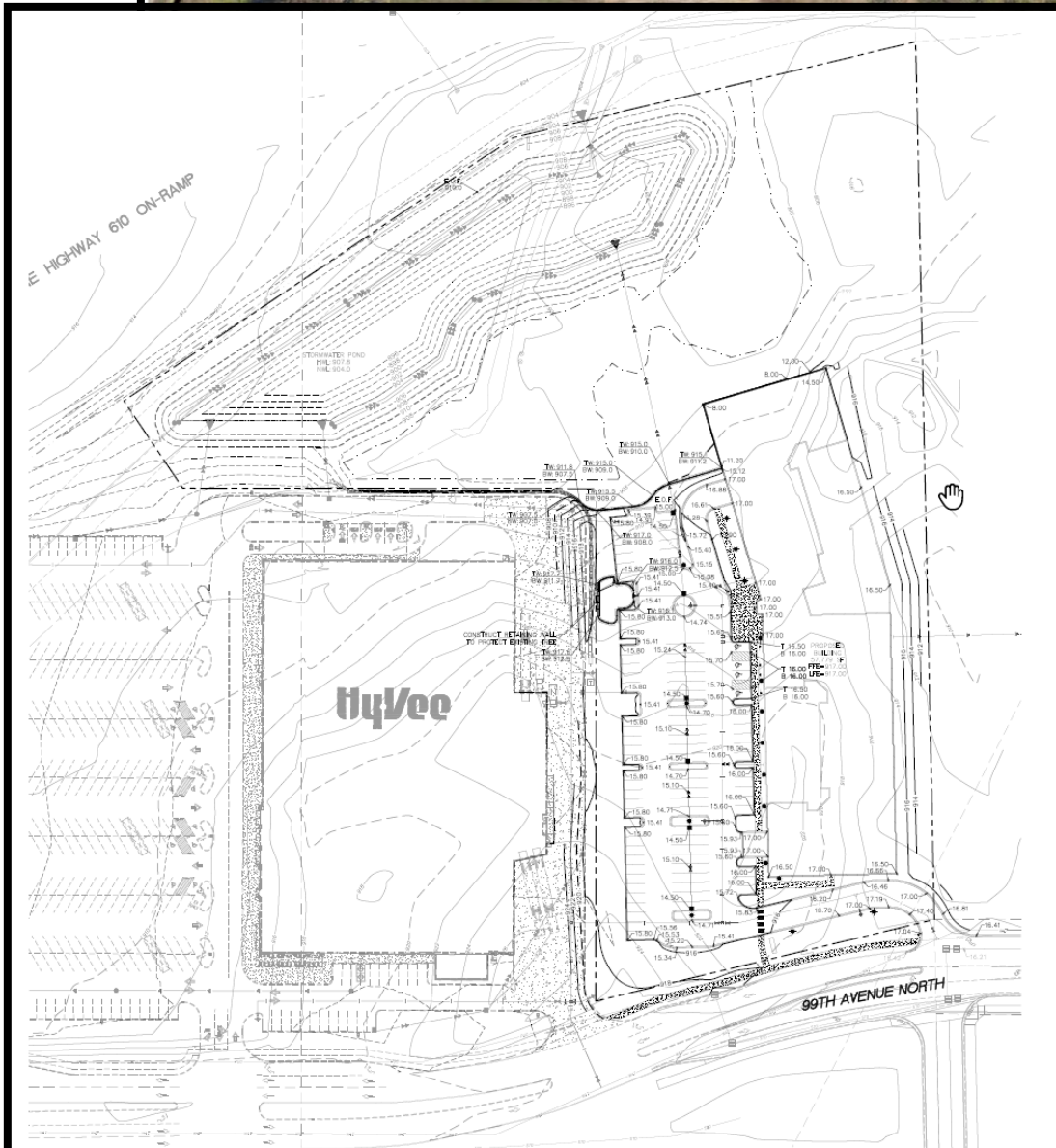
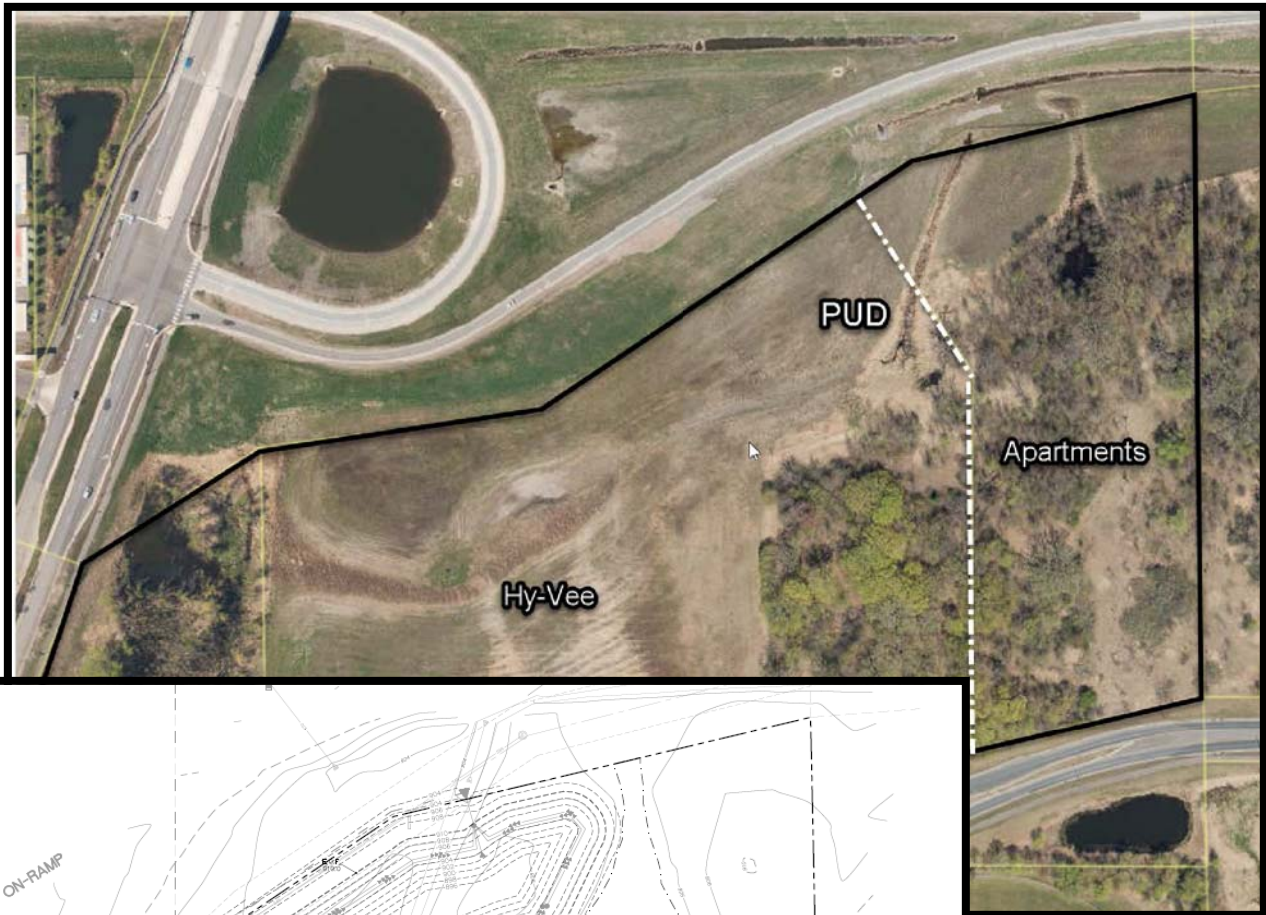
Recommendation: None at this time. Buffer rules must be met.

Hennepin County
Department of Environment and Energy
Advisor to the Commission



July 31, 2019





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