

# elm creek Watershed Management Commission

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September 4, 2019

Representatives  
Elm Creek Watershed Management Commission  
Hennepin County, MN

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

Dear Representatives:

A **regular meeting** of the Elm Creek Watershed Management Commission will be held on **Wednesday, September 11, 2019, at 11:30 a.m.** in the Mayor's Conference Room at Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN.

The Commission will suspend its regular meeting at 11:30 a.m. for the purpose of conducting a **public hearing** on five proposed capital improvements:

- Project 2019-01:** Rush Creek Main Stem Stream Stabilization Phase 3, Maple Grove;
- Project 2019-02:** Ranchview Wetland Restoration, Maple Grove;
- Project 2019-04:** Hickory Drive Stormwater Improvement, Medina;
- Project 2019-05:** Downtown Regional Stormwater Pond, Corcoran; and
- Project 2019-06:** Elm Creek Stream Restoration Phase IV, Champlin.

The regular meeting will resume immediately after the public hearing concludes.

Please email me at [judie@jass.biz](mailto:judie@jass.biz) to confirm whether you or your Alternate will be attending the regular meeting. Thank you.

Regards,



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

|                |               |                    |      |
|----------------|---------------|--------------------|------|
| cc: Alternates | HCEE          | BWSR               | MPCA |
| Joel Jamnik    | Diane Spector | Met Council        | DNR  |
| TRPD           | Clerks        | Official Newspaper |      |

Z:\Elm Creek\Meetings\Meetings 2019\09 Notice\_reg meeting\_public hearing.doc

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## AGENDA Regular Meeting and PUBLIC HEARING September 11, 2019

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

1. Call Regular Meeting to Order.
  - a. Approve Agenda.\*
2. Consent Agenda.
  - a. Minutes last Meeting.\*
  - b. Treasurer's Report and Claims.\*
3. Open Forum.
  - a. Weaver Lake Conservation Association.\*

### *Suspend meeting*

4. Public Hearing for Capital Improvement Projects
  - Project 2019-01: Rush Creek Main Stem Stream Stabilization Phase 3, Maple Grove;*
  - Project 2019-02: Ranchview Wetland Restoration, Maple Grove;*
  - Project 2019-04: Hickory Drive Stormwater Improvement, Medina;*
  - Project 2019-05: Downtown Regional Stormwater Pond, Corcoran; and*
  - Project 2019-06: Elm Creek Stream Restoration Phase IV, Champlin.*
  - a. Staff Report.\*
  - b. Updated CIP.\*
  - c. Legal Notice.\*
  - d. Feasibility Reports\* - attached to cooperative agreements.
  - e. Commission discussion.
  - f. Open Public Hearing.
    - 1) Receive comments from member cities.
    - 2) Receive comments from public.
  - g. Close public hearing.
  - h. Commission discussion.
  - i. Consider Resolution 2019-03 Ordering 2019 Improvement Projects.\*
  - j. Approve Cooperative Agreements\* with cities of Champlin, Corcoran, Maple Grove (2), and Medina.
  - k. Letter certifying Levy to County.\*

### *Resume meeting.*

5. Action Items.
  - a. Project Reviews – see Status Report.\*
  - 10.n. 2019-023 99th Avenue Apartments, Maple Grove.\*

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

6. Old Business.
  - a. FEMA Floodplain Mapping. (See Staff Report.)
  - b. Technical Services –subcommittee report.\*\*
  - c. 2017-050 Ernie Mayers, Corcoran update.\*
7. Communications.
8. Education.
  - a. WMWA – Contracted Coordinator.\*
  - b. WMWA - Update.\*\*
9. Grant Opportunities and Updates.
  - a. North Fork Rush Creek SWA Grant Program. (See Staff Report.)
  - b. Fish Lake Alum Treatment - update.\*

\*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.                                      |
| b.         |   |   |  |    | 2016-040    | Kinghorn 4 <sup>th</sup> Addition, Rogers.                                |
| c.         |   |   |  |    | 2016-047    | Hy-Vee North, Maple Grove.  |
| al.        |   |   |  | AR | 2017-014    | Laurel Creek, Rogers.   |
| am.        |   |   |  | AR | 2017-017    | Mary Queen of Peace Catholic Church, Rogers.                              |
| an.        |   |   |  | AR | 2017-029    | Brayburn Trails, Dayton.  |
| d.         |   |   |  |    | 2017-039    | Rush Creek Apartments, Maple Grove.                                       |
| e.         |   | E |  |    | 2017-050W   | Ernie Mayers 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.                                      |
| ar.        |   |   |  |    | 2018-038    | Vincent Woods of Roger.   |
| as.        |   |   |  | AR | 2018-044    | OSI Phase II, Medina.   |
| h.         |   |   |  |    | 2018-046    | Graco, Rogers   |
| at.        |   |   |  | AR | 2018-048    | Faithbrook Church Phase 2, Dayton.  |
| i.         |   |   |  |    | 2019-001    | Fernbrook View Apartments, Maple Grove.                                   |
| au.        |   |   |  |    | 2019-002    | Parkside Villas, Champlin.  |
| j.         |   |   |  |    | 2019-016    | Rogers Retail Development, Rogers.  |
| k.         |   |   |  |    | 2019-018    | Peony Lake Trailhead, Plymouth.   |
| l.         |   |   |  |    | 2019-021    | Brenly Meadows, Rogers.   |
| m.         |   |   |  |    | 2019-022    | Comlink Midwest, Corcoran.  |
| n.         | A | E |  |    | 2019-023    | 99th Avenue Apartments, Maple Grove.                                      |
| o.         |   |   |  |    | 2019-024    | Boston Scientific Weaver Lake Road Building 2 East Addition, Maple Grove. |
| p.         |   |   |  |    | 2019-025    | Dayton Parkway Interchange, Dayton.                                       |

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

**11. Other Business.**

Z:\Elm Creek\Meetings\Meetings 2019\09 Regular Meeting and Public Hearing Agenda .docx

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



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## Regular Meeting Minutes August 14, 2019

I. A regular meeting of the Elm Creek Watershed Management Commission was called to order at 11:36 a.m., Wednesday, August 14, 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; James Kujawa and Kirsten Barta, Hennepin County Dept. of Environment and Energy (HCEE); Amy Timm, Three Rivers Park District (TRPD); Jeff Weiss, Barr Engineering; and Judie Anderson, JASS.

Not represented: Rogers.

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, Ben Scharenbroich, and Amy Riegel, Plymouth; Andrew Simmons, Rogers; and Ed Matthiesen and Lucius Jonett, Wenck Associates for item X.C.

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

B. Motion by Walraven, second by Weir to approve the **minutes**\* of the July 10, 2019, regular meeting. *Motion carried unanimously.*

C. Motion by Moore, second by Walraven to approve the August **Treasurer's Report and Claims**\* totaling \$38,297.31. *Motion carried unanimously.*

## II. Open Forum.

Scharenbroich introduced Amy Riegel. She will be working as a Senior Engineering Technician for the City of Plymouth.

## III. Action Items.

A. **Project Review 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 Commission's review for Rules D, and E. In their findings dated August 8, 2019, Staff recommends approval contingent on O&M plan requirements for the stormwater pond and irrigation systems being approved by the Commission and the City and recorded on the property title. Motion by Moore, second by Weir to approve Staff's recommendation. *Motion carried unanimously.*

B. **Project Review 2019-022 Comlink Midwest, Corcoran**.\* This is an existing 16.5-acre lot located in the southeast quadrant of County Roads 19 and 10 in Burschville. 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

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

## elm creek Watershed Management Commission

Regular Meeting Minutes – August 14, 2019

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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. In their findings dated August 6, 2019, Staff recommends approval contingent on 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. Motion by Moore, second by Walraven to approve Staff's recommendation. *Motion carried unanimously.*

**C. Project Review Fee Schedule.\*** The schedule was revised and updated according to the recommendation of the Technical Advisory Committee at their July 10, 2019 meeting Motion by Moore, second by Weir to approve the revised fee schedule. It will become effective September 1, 2019. *Motion carried unanimously.*

**D.** The City of Dayton is requesting an additional \$1,000 from the Commission to fund the **Diamond Creek subwatershed assessment**. At their February 13, 2019 meeting, 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.

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. 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 9, 2019 City of Dayton Council meeting). In their July 31, 2019 memo,\* 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 to in February.

Motion by Moore, second by Walraven to approve this increase in Commission cost-share. *Motion carried unanimously.*

## IV. Watershed Management Plan.

Motion by Moore, second by Weir to call for a public hearing during the Commission's September 11, 2019 regular meeting at which time the Commission will certify for payment by Hennepin County of the Commission's share of the cost of five projects on its Capital Improvement Program totaling \$401,188. *Motion carried unanimously.*

At the public hearing the Commission will accept the feasibility reports for these projects, approve a resolution accepting the reports, order the projects, certify the Commission's share of the costs of the projects to the county levy, and approve the cooperative agreements with the cities wherein the projects occur.

## 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 not been identified and CAMP monitoring will not occur in 2019.

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

**elm creek Watershed Management Commission**

Regular Meeting Minutes – August 14, 2019

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**VI. Water Quality.**

**A. FEMA Floodplain Mapping.** County Staff met with DNR Floodplain Hydrologist Rita Weaver to provide her with the materials Jason Swenson had compiled prior to his resignation from Hennepin County. The DNR prefers to terminate the contract with the Commission, take over the study, and reimburse the County based on the deliverables received. DNR is the party that must terminate the contract.

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

**VII. New Business.**

Moore recapped the August 5, 2019 subcommittee meeting where the attendees discussed the **transition from HCEE to a consulting firm** to perform technical services for the Commission. At that meeting it was agreed to recommend to the Commission soliciting proposals for services beginning January 1, 2020, from Barr Engineering, Hakanson-Anderson, SEH, Stantec, Wenck Associates, and WSB Engineering. Motion by Moore, second by Weir to approve this action. *Motion carried unanimously.*

Proposals will be due August 30 and interviews will be conducted in early September.

**VIII. Education and Public Outreach.\***

**A. Watershed PREP and Education and Outreach Events.** Educators are scheduling fall classroom visits. They 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 continues to refresh and update content on the WMWA website. Any input is appreciated. [westmetrowateralliance.org/](http://westmetrowateralliance.org/)

**C. Project Coordinator Position.\*** A position description was considered at the August 13, 2019 meeting of WMWA. This position would be 8-10 hours per week and be used to update the current Education and Outreach Plan and keep it up-to-date moving forward, develop annual work plans, keep abreast of metro-wide practices, maintain the website, attend WMWA meetings, and coordinate Metro Blooms workshops. Additional duties may be added in the future. The Special Projects budget line item would be used to fund the position and would need partner approval. Currently the special projects fund is being used to fund the social media campaign. Discussion of the impact of this campaign will occur at the September WMWA meeting.

Catherine Cesnik, Elm Creek and Bassett Creek Alternate Commissioner representing Plymouth, is interested in assuming this position. Commissioners and Commission counsel have agreed this would not be a conflict of interest as Cesnik would recuse herself from voting on any issues regarding the position and are supportive of Cesnik for the position. WMWA members voted to approve this position and funding through the special projects fund. Staff will create a memo regarding this recommendation for inclusion on the September meeting agendas of the member watersheds.

Motion by Trainor, second by Walraven to approve WMWA action to secure a contractor as described above at \$40/hour, 30 hours weekly. *Motion carried unanimously.*

**elm creek Watershed Management Commission**

Regular Meeting Minutes – August 14, 2019

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**D. Road Salt Symposium.** (See Item H., below.) It was suggested that WMWA contribute to the symposium in lieu of the individual member watershed commissions. After discussion, WMWA members agreed by consensus not to fund the Symposium because it is not a WMWA target audience. Name recognition would be better for the commissions, rather than WMWA.

**E.** The **next WMWA meeting** is scheduled for 8:30 a.m., Tuesday, September 10, 2019, at Plymouth City Hall.

**F.** The Freshwater Society is seeking sponsorship for its upcoming **19th Annual Road Salt Symposium,\*** Thursday, October 24, 2019, in Vadnais Heights. This is the second symposium to be held in 2019 after a decision was made to move the event from winter to fall. The Commission sponsored the February 7, 2019 symposium with \$500.

Motion by Weir, second by Walraven not to sponsor the October symposium, primarily due to its out-of-area location. *Motion carried unanimously.*

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

**A.** Timm reported that the **second alum treatment for Fish Lake** was completed as scheduled.

**B. Rush Creek Subwatershed Assessment Implementation.** Staff anticipate having contracts signed by September 1, 2019 for projects to be completed in September/October.

**C.** Construction was completed on the **Elm Creek Stream Restoration project** on June 25. The first of three walk-throughs will occur on October 30. Estimated project completion date is October 30, 2020. Matthiesen, Jonett and Scharenbroich presented a pictorial summary\* of the project.

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

**E.** Hennepin County will award one or two **Opportunity Grants\*** from applications received before September 27, 2019.

**XI. Other Business.**

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

**B. Adjournment.** There being no further business, the meeting was adjourned at 1:04 p.m.

Respectfully submitted,



Judie A. Anderson  
Recording Secretary  
JAA:tim

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

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

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

## elm creek Watershed Management Commission

Regular Meeting Minutes – August 14, 2019

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| Item No. |   |   |   |    | Project No.                  | Project Name   |
|----------|---|---|---|----|------------------------------|--|
|          |   |   |   |    | W Denotes<br>wetland project |  |
| 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.                     |
| b.       |   |   |   |    | 2016-040                     | Kinghorn 4 <sup>th</sup> Addition, Rogers.               |
| c.       |   |   |   |    | 2016-047                     | Hy-Vee North, Maple Grove.                               |
| al.      |   |   |   | AR | 2017-014                     | Laurel Creek, Rogers.                                    |
| am.      |   |   |   | AR | 2017-017                     | Mary Queen of Peace Catholic Church, Rogers.             |
| an.      |   |   |   | AR | 2017-029                     | Brayburn Trails, Dayton.                                 |
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| ao.      |   |   |   | AR | 2018-018                     | Summers Edge Phase II, Plymouth.                         |
| g.       |   |   |   |    | 2018-020                     | North 101 Storage, Rogers.                               |
| ap.      |   |   |   | AR | 2018-026                     | Windrose, Maple Grove.                                   |
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| 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                     | 99 <sup>th</sup> Avenue apartments, Maple Grove.         |
| r.       |   |   |   |    | 2019-024                     | Boston Scientific Weaver Lake Road Bldg 2 East Addn, MG. |

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

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

## Elm Creek Watershed Management Commission 2019 Treasurer's Report

|   |           | 2019 Budget       | Aug 2019          | Sept 2019         | 2019 Budget YTD   |
|---|-----------|-------------------|-------------------|-------------------|-------------------|
| <b>EXPENSES</b>   |           |                   |                   |                   |                   |
| Administrative  |           | 90,000            | 8,444.32          | 6,185.90          | 64,151.21         |
| Watershed-wide TMDL Admin   |           | 1,500             |                   |                   | 0.00              |
| Grant Writing   |           | 4,000             |                   |                   | 0.00              |
| Website   |           | 5,000             | 133.20            | 229.35            | 767.55            |
| Legal   |           | 2,000             | 46.50             | 174.00            | 391.00            |
| 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            | (2,903.00)        |                   | 7,713.00          |
| Project Reviews   | Admin     | 15,000            | 862.86            | 799.52            | 5,790.85          |
| 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               | 20.22             | 17.70             | 137.61            |
| 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            | 16.61             | 2,242.56          |
| 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             |                   |                   | 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            |                   | 1,672.09          | 3,438.55          |
| Plan Amendments   |           | 2,000             |                   | 188.28            | 1,395.21          |
| <i>Transfer to (from) Encumbered Funds (see below)</i>  |           |                   |                   |                   | 0.00              |
| <i>Transfer to (from) Capital Projects (see CIP Tr</i>  |           | 490,000           |                   | 513.88            | 67,274.08         |
| <i>Transfer to (from) Cash Sureties (see below)</i>   |           |                   | 2,903.00          | 314.50            | 3,275.47          |
| <i>Transfer to (from) Grants (see below)</i>  |           |                   | -                 | 199,092.00        | 199,092.00        |
| <i>To Fund Balance</i>  |           |                   |                   |                   | 0.00              |
| <b>TOTAL - Month</b>  |           |                   | <b>38,297.31</b>  | <b>209,203.83</b> | <b>445,980.16</b> |
| <b>TOTAL Paid in 2019, incl late 2018 Expenses</b>  |           | <b>920,796.00</b> | <b>345,133.80</b> | <b>554,337.63</b> | <b>2019 Paid</b>  |
| Note 1: \$50,000 2019 Budget 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        | Aug 2019            | Sept 2019           | 2019 Budget YTD      |
|---|--|--------------------|---------------------|---------------------|----------------------|
| <b>INCOME</b>                                   |  |                    |                     |                     |                      |
| <i>From Fund Balance</i>                        |  |                    |                     |                     |                      |
| Project Review Fee                              |  | 80,000             | 3,500.00            |                     | 24,929.20            |
| 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              | 2,439.09            |                     | 19,397.14            |
| Transfer to (from) Capital Projects (see CIP Tr |  | 490,000            |                     |                     | 234,945.75           |
| Transfer to (from) Cash Sureties (see below)    |  |                    |                     |                     |                      |
| Transfer to (from) Grants (see below)           |  |                    | -                   | -                   | 5,028.00             |
| Misc Income                                     |  |                    |                     |                     | 0.00                 |
| <b>Total - Month</b>                            |  |                    | 5,939.09            | 0.00                | 516,254.90           |
| <b>TOTAL Rec'd 2019, incl late 2018 Income</b>  |  | <b>817,400.00</b>  | <b>525,394.58</b>   | <b>525,394.58</b>   | <b>2019 Received</b> |
| <b>CASH SUMMARY</b>                             |  | <b>Balance Fwd</b> |                     |                     |                      |
| Checking  |  | 0.00               |                     |                     |                      |
| 4M Fund   |  | 1,303,038.87       | 1,483,299.65        | 1,274,095.82        |                      |
| <b>Cash on Hand</b>                             |  |                    | <b>1,483,299.65</b> | <b>1,274,095.82</b> |                      |
| <b>CASH SURETIES HELD</b>                       |  | <b>Balance Fwd</b> |                     |                     | <b>Activity 2019</b> |
| WCA Escrows Received                            |  | 30,000.00          |                     |                     | 1,000.00             |
| WCA Escrow Reduced                              |  | 0.00               | 16,300.25           | 314.50              | 17,200.03            |
| <b>Total Cash Sureties Held</b>                 |  | <b>30,000.00</b>   | <b>14,114.47</b>    | <b>13,799.97</b>    |                      |
| <b>RESTRICTED / ENCUMBERED FUNDS</b>            |  | <b>Balance Fwd</b> |                     |                     |                      |
| Restricted for CIPs                             |  | 732,761            |                     |                     |                      |
| Restricted for Closed Project Funds             |  | 1,222              |                     |                     |                      |
| Enc. Studies / Project Identification / SWA     |  | 175,297            |                     |                     |                      |
| Projects Ineligible for ad valorem              |  |                    |                     |                     |                      |
| <b>Total Restricted / Encumbered Funds</b>      |  | <b>909,280</b>     | <b>909,280.00</b>   | <b>909,280.00</b>   |                      |
|   |  |                    |                     |                     |                      |
|   |  |                    | Aug 2019            | Sept 2019           | 2019 Budget YTD      |
| <b>GRANTS</b>                                   |  |                    |                     |                     |                      |
| <b>Fish Lake CWLA</b>                           |  |                    |                     |                     |                      |
| Revenue   |  |                    |                     |                     | -                    |
| Expense   |  |                    |                     | 199,092.00          | 199,092.00           |
| Balance   |  |                    | -                   | (199,092.00)        | (199,092.00)         |
| <b>Rush Creek SWA</b>                           |  |                    |                     |                     |                      |
| Revenue   |  |                    |                     |                     | 5,028.00             |
| Expense   |  |                    |                     |                     | -                    |
| Balance   |  |                    | -                   | -                   | 5,028.00             |
| <b>BWSR Watershed-based Funding</b>             |  |                    |                     |                     |                      |
| Revenue   |  |                    |                     |                     | -                    |
| Expense   |  |                    |                     |                     | -                    |
| Balance   |  |                    | -                   | -                   | -                    |
| <b>TOTAL GRANTS</b>                             |  |                    |                     |                     |                      |
| Revenue   |  |                    | -                   | -                   | 5,028.00             |
| Expense   |  |                    | -                   | 199,092.00          | 199,092.00           |
| Balance   |  |                    | -                   | (199,092.00)        | (194,064.00)         |



## Elm Creek Watershed Management Commission 2019 Treasurer's Report

| Claims Presented                            |  | General Ledger<br>Account No | August | September  | TOTAL             |
|---|--|------------------------------|--------|------------|-------------------|
| Campbell Knutson - Legal                    |  | 521000                       |        | 174.00     | 174.00            |
| Connexus - Rain Gauge                       |  | 551100                       |        | 17.70      | 17.70             |
| Barr Engineering - Proj Rev Consultant      |  | 578050                       |        |            | 292.00            |
| Barr Eng - Consultant Ravinia               |  | 240201                       |        | 292.00     |                   |
| ECM Publishers                              |  |                              |        |            | 513.88            |
| Hearing Notice Rush Creek 2019 Ph 3 Main    |  | 563017                       |        | 102.77     |                   |
| Hearing Notice Ranchview Wetland Restora    |  | 563018                       |        | 102.78     |                   |
| Hearing Notice Hickory Dr Stormwater Impv   |  | 563019                       |        | 102.78     |                   |
| Hearing Notice Downtown Reg SW Pond Co      |  | 563020                       |        | 102.77     |                   |
| Hearing Notice Elm Creek Ph IV Restoration  |  | 563021                       |        | 102.78     |                   |
| HAB Aquatic Solutions-Fish Lake Alum Trmt # |  | 584001                       |        | 199,092.00 | 199,092.00        |
| JASS  |  |                              |        |            | 9,114.25          |
| Administration                              |  | 511000                       |        | 6,140.90   |                   |
| TAC Support                                 |  | 511000                       |        |            |                   |
| Annual Report                               |  | 511000                       |        |            |                   |
| Website                                     |  | 581000                       |        | 229.35     |                   |
| Project Reviews                             |  | 578100                       |        | 799.52     |                   |
| WCA   |  | 579000                       |        |            |                   |
| WCA Admin Reimbursable Mayers               |  | 240301                       |        | 22.50      |                   |
| Plan Amendment                              |  | 541500                       |        | 188.28     |                   |
| Education                                   |  | 590000                       |        | 16.61      |                   |
| CIPs General                                |  | 563001                       |        | 1,670.77   |                   |
| CIPs Fish Lake Alum Trmt Ph 1               |  | 563001                       |        | 1.32       |                   |
| Grant Opportunities                         |  | 511000                       |        |            |                   |
| Grant - Fish Lake CWLA                      |  | 511000                       |        | 45.00      |                   |
| Grant - Rush Creek SWA                      |  | 511000                       |        |            |                   |
| Floodplain Mapping Admin                    |  | 511000                       |        |            |                   |
| <b>TOTAL CLAIMS</b>                         |  |                              |        |            | <b>209,203.83</b> |



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

item 02b

| CIPs |   | Amount     | %age   | TOTAL<br>2016 | TOTAL<br>2017 | TOTAL<br>2018 | JAN<br>2019 | FEB<br>2019 | MAR<br>2019 | APR<br>2019 | MAY<br>2019 | JUN<br>2019 | JUL<br>2019 | AUG<br>2019 | SEP<br>2019 | TOTAL<br>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 A   | 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 Str   | 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      |
|      | 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       |

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

item 02b

| CIPs                                       |   | Amount     | %age   | TOTAL<br>2016 | TOTAL<br>2017 | TOTAL<br>2018 | JAN<br>2019 | FEB<br>2019 | MAR<br>2019 | APR<br>2019 | MAY<br>2019 | JUN<br>2019 | JUL<br>2019 | AUG<br>2019 | SEP<br>2019 | TOTAL<br>2019 | TOTAL ALL YEARS |
|--|---|------------|--------|---------------|---------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-----------------|
| 2018-04 Downs Road Trail Rain Garden       |   | 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       |
| 2019-01 Rush Creek Main Stem Ph 3          |   | 25,000.00  |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | Revenue                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             |             | -             | -               |
|  | Expense                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             | 102.77      | 102.77        | 102.77          |
|  | Balance                                       |            |        | -             | -             | -             |             |             |             |             | -           |             | -           | -           | (102.77)    | (102.77)      | (102.77)        |
| 2019-02 Ranchview Wetland Restoration      |   | 125,000.00 |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | Revenue                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             |             | -             | -               |
|  | Expense                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             | 102.78      | 102.78        | 102.78          |
|  | Balance                                       |            |        | -             | -             | -             |             |             |             |             | -           |             | -           |             | (102.78)    | (102.78)      | (102.78)        |
| 2019-04 Hickory Drive Stormwater Imprc     |   | 76,823.00  |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | Revenue                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             |             | -             | -               |
|  | Expense                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             | 102.78      | 102.78        | 102.78          |
|  | Balance                                       |            |        | -             | -             | -             |             |             |             |             | -           |             | -           |             | (102.78)    | (102.78)      | (102.78)        |
| 2019-05 Downtown Regional Stormwater       |   | 26,477.00  |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | Revenue                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             |             | -             | -               |
|  | Expense                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             | 102.77      | 102.77        | 102.77          |
|  | Balance                                       |            |        | -             | -             | -             |             |             |             |             | -           |             | -           |             | (102.77)    | (102.77)      | (102.77)        |
| 2019-06 Elm Creek Restore Ph IV            |   | 150,000.00 |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | Revenue                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             |             | -             | -               |
|  | Expense                                       |            |        | -             | -             | -             |             |             |             |             |             |             |             |             | 102.78      | 102.78        | 102.78          |
|  | Balance                                       |            |        | -             | -             | -             |             |             |             |             | -           |             | -           |             | (102.78)    | (102.78)      | (102.78)        |
| <b>TOTAL CIP</b>                           |   |            |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | Revenue                                       |            |        | 249,795.17    | 494,329.63    | 436,392.95    | -           | -           | -           | -           | -           | -           | 196,541.17  | -           | -           | 196,541.17    | 1,508,629.05    |
|  | Expense                                       |            |        | 812.59        | 407.56        | 570.54        | -           | -           | -           | -           | -           | -           | -           | -           | 513.88      | 513.88        | 8,532.35        |
|  | 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    | 111,741.60    | -           | -           | -           | -           | (66,760.20) | -           | 196,541.17  | -           | (513.88)    | 129,146.74    | 862,022.50      |
| <b>CLOSED PROJECT FUND</b>                 |   |            |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | 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        |
| <b>TOTAL CIP &amp; Closed Project Fund</b> |   |            |        |               |               |               |             |             |             |             |             |             |             |             |             |               | 863,364.57      |
| <b>COMPLETED PROJECTS \$0 BALANCE</b>      |   |            |        |               |               |               |             |             |             |             |             |             |             |             |             |               |                 |
|  | 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  
July 31, 2019  
Account # 1448-0000G  
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RE: GENERAL MATTERS  
SERVICES RENDERED TO DATE:

|            |     |   | HOURS |                 |
|------------|-----|---|-------|-----------------|
| 07/09/2019 | JMO | Review e-mail request; download Cooperative Agreement from website; format and save document to our system; e-mail to attorney. | 0.90  | 81.00           |
|            | JJJ | Review agenda packet and materials, supplementary documents (JPA).  | 0.30  | 46.50           |
|            |     | AMOUNT DUE  | 1.20  | 127.50          |
|            |     | TOTAL CURRENT WORK  |       | 127.50          |
|            |     | PREVIOUS BALANCE  |       | \$77.50         |
| 07/16/2019 |     | Payment - thank you   |       | -31.00          |
|            |     | TOTAL AMOUNT DUE  |       | <u>\$174.00</u> |

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

**CAMPBELL KNUTSON**  
**Professional Association**  
**Attorneys at Law**  
**Federal Tax I.D. #41-1562130**  
**Grand Oak Office Center I**  
**860 Blue Gentian 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  
 July 31, 2019  
 Account # 1448G

SUMMARY STATEMENT

| PREVIOUS BALANCE              | FEES   | EXPENSES | CREDITS | PAYMENTS | BALANCE         |
|-------------------------------|--------|----------|---------|----------|-----------------|
| 1448-0000 RE: GENERAL MATTERS |        |          |         |          |                 |
| SERVICES RENDERED TO DATE:    |        |          |         |          |                 |
| 77.50                         | 127.50 | 0.00     | 0.00    | -31.00   | <u>\$174.00</u> |

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



## Monthly Statement

**Service Address**  
ELM CREEK RD  
DAYTON MN

### Billing Summary

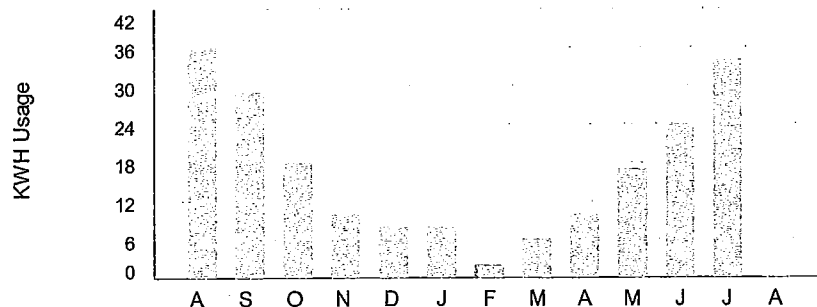
**Billing Date:** Aug 16, 2019

|                        |                |
|------------------------|----------------|
| Previous Balance       | \$20.22        |
| Payments - Thank You!  | \$20.22        |
| <b>Balance Forward</b> | <b>\$0.00</b>  |
| <b>New Charges</b>     | <b>\$17.70</b> |

**Total Amount Due** **\$17.70**

Payment must be received on or before September 13, 2019

### Energy Comparison Previous Months' Usage Current Month's Usage



### How to contact us

Member Services / Moving - 763-323-2650  
Outages and Emergencies - 763-323-2660  
Hearing/Speech Impaired Call - 711 or 800-627-3529  
Email: [info@connexusenergy.com](mailto:info@connexusenergy.com)  
[www.connexusenergy.com](http://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**

**\$17.70**

**Due Date**

**September 13, 2019**

### Message Center

#### Here is your Cash Back

Your Cash Back credit is included on this statement. You're getting Cash Back because you're a member of our cooperative. The amount is based on your annual electric purchases. For more information about our Cash Back program, visit us at [connexusenergy.com](http://connexusenergy.com).

#### \$3 off Bunker Beach Waterpark

Still time to enjoy summer and a discount at Bunker Beach. Connexus members get \$3 off admission to the waterpark through Labor Day. Print your coupons at [connexusenergy.com](http://connexusenergy.com).

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

TRA3-D-000020/000037 AGX8HM S1-ET-M1-C00001 1



**Account Number:**

**481113-238425**

**Total Amount Due**

**\$17.70**

**Payment Due By**

**September 13, 2019**

000020 1 AB 0.409 000020/000020/000037 002 02 AGX8HM  
ELM CREEK WATERSHED MGMT ORG  
3235 FERNBROOK LN N  
PLYMOUTH MN 55447-5325



**Connexus Energy**  
PO Box 1808  
Minneapolis, MN 55480-1808

00001770 0004811130238425 000000 00000 000000000000 0000006



# INVOICE

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

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

August 12, 2019  
 Invoice No: 23270F55.05 - 13

|                           |                 |
|---------------------------|-----------------|
| <b>Total this Invoice</b> | <b>\$292.00</b> |
|---------------------------|-----------------|

## Regarding: Elm Creek Wetland Mitigation Monitoring

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

### Job 001 – Ravinia Wetland Mitigation

#### Task 003 –2019 Monitoring and Report

- Data Management
- Preparation for field work

### Professional Services from May 18, 2019 to July 12, 2019

|       |     |                            |
|-------|-----|----------------------------|
| Job:  | 001 | Ravinia Wetland Mitigation |
| Task: | 003 | 2019 Monitoring and Report |

#### Labor Charges

|                                      | Hours | Rate                      | Amount |                 |
|--------------------------------------|-------|---------------------------|--------|-----------------|
| Engineer / Scientist / Specialist II |       |                           |        |                 |
| Burgner, Brian                       | 2.00  | 105.00                    | 210.00 |                 |
| Support Personnel II                 |       |                           |        |                 |
| Lawless, Peter                       | .30   | 115.00                    | 34.50  |                 |
| Nypan, Nyssa                         | .50   | 95.00                     | 47.50  |                 |
|                                      | 2.80  |                           | 292.00 |                 |
| <b>Subtotal Labor</b>                |       |                           |        | <b>292.00</b>   |
|                                      |       | <b>Task Subtotal</b>      |        | <b>\$292.00</b> |
|                                      |       | <b>Job Subtotal</b>       |        | <b>\$292.00</b> |
|                                      |       | <b>Total this Invoice</b> |        | <b>\$292.00</b> |

|                         | Current       | Prior            | Total            | Received         | A/R Balance   |
|-------------------------|---------------|------------------|------------------|------------------|---------------|
| <b>Invoiced to Date</b> | <b>292.00</b> | <b>16,300.25</b> | <b>16,592.25</b> | <b>16,300.25</b> | <b>292.00</b> |

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

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

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

**ECM** Publishers, Inc.  
 4095 Coon Rapids Blvd.  
 Coon Rapids, MN 55433  
 Address Service Requested

☐ PLEASE CHECK BOX IF ADDRESS CHANGED  
 & INDICATE NEW ADDRESS

Page # 1

**INVOICE**

Invoice Date

8/29/2019

Invoice Number

720480

Ad Number

968193

Terms

Net 30

Check Number

Amount Paid

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

Account # 419241

\$513.88

| ACCOUNT NUMBER | START DATE | STOP DATE | EDITION DATE | ACCOUNT REPRESENTATIVE    |
|----------------|------------|-----------|--------------|---------------------------|
| 419241         | 08/22/19   | 08/29/19  | 8/29/2019    | Osseo Legals 763-691-6001 |

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

| PUBLICATION    | DATE       | AD#    | CLASS | DESCRIPTION/TAG LINE | TYPE | SIZE        | QTY/<br>TIMES | AMOUNT |
|----------------|------------|--------|-------|----------------------|------|-------------|---------------|--------|
| Osseo MG Press | 08/29/2019 | 968193 | 150   | September 11-PH      | L    | 1.0 X 14.33 | 2             | 513.88 |

2019-01 Rush Creek Ph 3 102.77  
 2019-02 Ranchview Wetland 102.78  
 2019-04 Hickory Dr SW hwp 102.78  
 2019-05 Downtown SW 102.77  
 2019-06 Ec Rest Ph IV 102.78

|            |        |
|------------|--------|
| Net Amount | 513.88 |
| Shipping   | 0.00   |
| Tax        | 0.00   |
| Amount Due | 513.88 |

720480

**ECM**  
 Publishers, Inc.

**APG**  
 ADAMS PUBLISHING GROUP LLC

**PIXELINK**  
 CREATIVE GROUP  
 digital solutions | marketing | design



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

**AFFIDAVIT OF PUBLICATION**

STATE OF MINNESOTA ) ss  
COUNTY OF HENNEPIN

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

Osseo MG Champlin Dayton Press

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

HENNEPIN

with additional circulation in the counties of:

HENNEPIN

and has full knowledge of the facts stated below:

- (A) The newspaper has complied with all of the requirements constituting qualification as a qualified newspaper as provided by Minn. Stat. §331A.02.
- (B) This Public Notice was printed and published in said newspaper(s) once each week, for 2 successive week(s); the first insertion being on 08/22/2019 and the last insertion being on 08/29/2019.

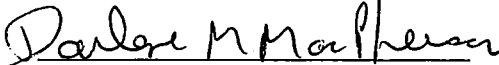
**MORTGAGE FORECLOSURE NOTICES**

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

By: 

Designated Agent

Subscribed and sworn to or affirmed before me on 08/29/2019 by Elise Strecker.

  
Notary Public

**Rate Information:**

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

\$17.90 per column inch

Ad ID 968193

**ELM CREEK WATERSHED  
MANAGEMENT  
COMMISSION  
LEGAL NOTICE  
NOTICE OF PUBLIC  
HEARING**

**TO WHOM IT MAY CONCERN:**

Notice is hereby given that the Elm Creek Watershed Management Commission (ECWMC) will meet at Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, on Wednesday, September 11, 2019, at approximately 11:30 a.m., or as soon thereafter as the matter may be heard, for a public hearing on the following improvements:

Project 2019-01: Rush Creek Main Stem Stream Stabilization Phase 3.

Location: East of I-94, west of Fernbrook Lane, Maple Grove.

Description: Stabilize and restore approx. 11,000 feet of Rush Creek streambank.

Cost: Estimated project cost is \$1,650,000, with \$1,625,000 borne by the City of Maple Grove and other sources. The ECWMC proposes to fund \$25,000 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

Project 2019-02: Ranchview Wetland Restoration.

Location: North of Highway 610 and east of I-94, Maple Grove.

Description: Restore 70-acre wetland, improving wildlife habitat and flood storage.

Cost: Estimated project cost is \$2,500,000, with \$2,375,000 borne by the City of Maple Grove and other sources. The ECWMC proposes to fund \$125,000 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

Project 2019-04: Hickory Drive Stormwater Improvement.

Location: 3600 Hickory Drive, northeast of Hickory Drive cul-de-sac, north of Hamel Road, Medina.

Description: Install stormwater pond for 8.3-acre drainage area, stabilize 300 LF of gully erosion, install curb and storm sewer to capture and direct stormwater to improvements.

Cost: Estimated project cost is \$307,920, with \$231,097 borne by the City of Medina and other sources. The ECWMC proposes to fund \$76,823 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

Project 2019-05: Downtown Regional Stormwater Pond.

Location: Downtown Corcoran.

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

Cost: Estimated project cost is \$105,910, with \$79,433 borne by the City of Corcoran and other sources. The ECWMC proposes to fund \$26,477 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

Project 2019-06: Elm Creek Stream Restoration Phase IV.

Location: Approximately 2600 feet upstream of the Mill Pond, Champlin.

Description: Restore and protect 5,000 LF of Elm Creek.

Cost: Estimated project cost is \$600,000, with \$450,000 borne by

the City of Medina and other sources. The ECWMC proposes to fund \$150,000 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

The Commission proposes to proceed under the authority granted by MN Statutes, Sec. 103B.251 to certify its share of the project cost to Hennepin County for payment by a tax levy on all taxable property located within the Elm Creek watershed. The watershed includes all or portions of the cities of Champlin, Corcoran, Dayton, Maple Grove, Medina, Plymouth, and Rogers. Maps of the watershed are available at the respective city halls or at [www.elmcreekwatershed.org](http://www.elmcreekwatershed.org).

Persons who desire to be heard with reference to the proposed improvements will be heard at this meeting. Written comments may be submitted to Doug Balnes, c/o JASS, 3235 Fernbrook Lane, Plymouth, MN 55447, or emailed to [judie@jass.biz](mailto:judie@jass.biz). Auxiliary aids for persons with handicaps are available upon request at least 7 days in advance. Please contact Judie Anderson at 763-553-1144 to make arrangements.

/s/ Doug Balnes, Chair  
By order of the Elm Creek Watershed Management Commission

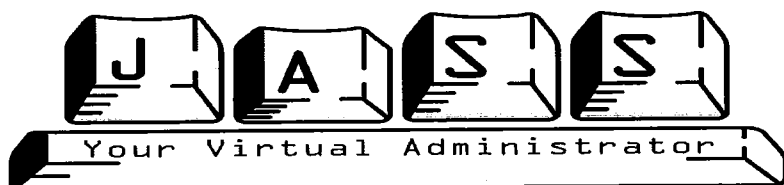
Published In

The Press

August 22, 29, 2019

968193





3235 Fernbrook Lane  
Plymouth MN 55447

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

5-Sep-19

Total by  
Project Area

|  |        |        |          |                  |
|--|--------|--------|----------|------------------|
| Administrative                         | 3.26   | 55.00  | 179.30   |                  |
| Administrative                         | 53.95  | 60.00  | 3,237.00 |                  |
| Admin - Offsite                        | 3.38   | 70.00  | 236.60   |                  |
| Office Support                         | 9.17   | 200.00 | 1,834.00 |                  |
| Storage Unit                           | 1.00   | 140.62 | 140.62   |                  |
| Admin - Reimbursable Expense           | 513.38 | 1.00   | 513.38   | 6,140.900        |
| Website                                |        | 55.00  | 0.00     |                  |
| Website                                | 3.81   | 60.00  | 228.60   |                  |
| Website - Reimbursable Expense         | 0.75   | 1.00   | 0.75     |                  |
| Web Domain, hosting thru June 2020     |        | 1.00   | 0.00     | 229.350          |
| Project Reviews - Secre                |        | 55.00  | 0.00     |                  |
| Project Reviews - Admin                | 10.58  | 60.00  | 634.80   |                  |
| Project Reviews - Reimbursable Expense | 164.72 | 1.00   | 164.72   | 799.520          |
| WCA - Reimbursable Expense - Mayers    | 22.50  | 1.00   | 22.50    | 22.500           |
| Education - Secretarial                |        | 55.00  | 0.00     |                  |
| Education - Admin                      |        | 60.00  | 0.00     |                  |
| Education - Admin Offsite              |        | 70.00  | 0.00     |                  |
| Education - Reimbursable Expense       | 16.61  | 1.00   | 16.61    | 16.610           |
| CIPs - General - Secretarial           |        | 55.00  | 0.00     |                  |
| CIPs - Administrative                  | 27.61  | 60.00  | 1,656.60 |                  |
| CIPs- Offsite Admin                    |        | 70.00  | 0.00     |                  |
| CIPs - reimbursables                   | 14.17  | 1.00   | 14.17    | 1,670.770        |
| CIPs - 2016-03 - Secretarial           |        | 55.00  | 0.00     |                  |
| Fish Lake CWLA - Admin                 |        | 55.00  | 0.00     |                  |
| Fish Lake CWLA - Admin                 | 0.75   | 60.00  | 45.00    |                  |
| Fish Lake CWLA - Reimbursables         |        | 1.00   | 0.00     | 45.000           |
| CIP Fish Lake Alum - Admin             |        | 60.00  | 0.00     |                  |
| CIP Fish Lake Alum - reimbursables     | 1.32   | 1.00   | 1.32     | 1.320            |
| Plan Amendment - Secre                 |        | 55.00  | 0.00     |                  |
| Plan Amendment - Admin                 | 3.12   | 60.00  | 187.20   |                  |
| Plan Amendment - Offsite               |        | 65.00  | 0.00     |                  |
| Plan amendment - reimbursable          | 1.08   | 1.00   | 1.08     | 188.280          |
| <b>Invoice Total</b>                   |        |        |          | <b>9,114.250</b> |



**HAB Aquatic Solutions**  
735 S. 56th Street, Suite 2  
Lincoln, NE 68510  
Phone: 402.430.0352  
jholz@habaquatics.com

**INVOICE FOR SERVICES**

Three Rivers Parks District  
Brian Vlach  
3000 Xenium Lane North  
Plymouth, MN 55441

Project Name:  
Project No:  
Contract Amount

Fish Lake Aluminum Sulfate Treatment II  
19-801  
\$199,092.00

DATE:  
14 August 2019  
PROJECT NO.:  
19-801  
PERIOD COVERED:  
Thru 8/9/19  
INVOICE NO.:  
19-801

**Task 01: Fish Lake Alum Application**

Description

Complete services for lake alum application: including alum, labor, and equipment mobilization and demobilization.

|                                     | Amount        | Current Due       |
|-------------------------------------|---------------|-------------------|
| \$                                  | 199,092.00 \$ | 199,092.00        |
| Task 01: Fish Lake Alum Application |               | 199,092.00        |
| <b>TOTAL DUE CURRENT INVOICE:</b>   |               | <b>199,092.00</b> |

CONTRACT AMOUNT:  
PREVIOUS BILLING:  
CURRENT INVOICE:  
TOTAL INV'D. TO DATE:  
CONTRACT REMAINING:

\$ 199,092.00  
\$ -  
\$ 199,092.00  
\$ 199,092.00  
\$ -

**Make all checks payable to:**

HAB Aquatic Solutions  
735 S. 56th Street, Suite 2  
Lincoln, NE 68510

Contracted Payment Term: 30 days



# Weaver Lake Conservation Association

Elm Creek Watershed



# WLCA - Mission

*Conserving and **PROTECTING** Weaver Lake, its adjacent marshlands and parks, its fish and wildlife, and the aesthetic appearance of the lake and its surrounding area.*

**Number of Current Board Members: 10**

**WLCA Members – 71 members with 70% of Weaver Lake shore owner participation.**

# WLCA - In Review

## What “**WE**” Accomplish

- Responsible & **PROACTIVE** watershed management
- Consistently strong community engagement
  - Aquatic invasive species training
  - Lake Shore Management Q&A
  - Adopt – A - Drain
  - Winter Ice Clean up
  - CD3 Installation Boat landing
  - Take a Kid Fishing
  - Movie by the Lake
  - 4<sup>th</sup> of July Boat Parade
  - Ice Cream Social
  - Easter Egg Hunt



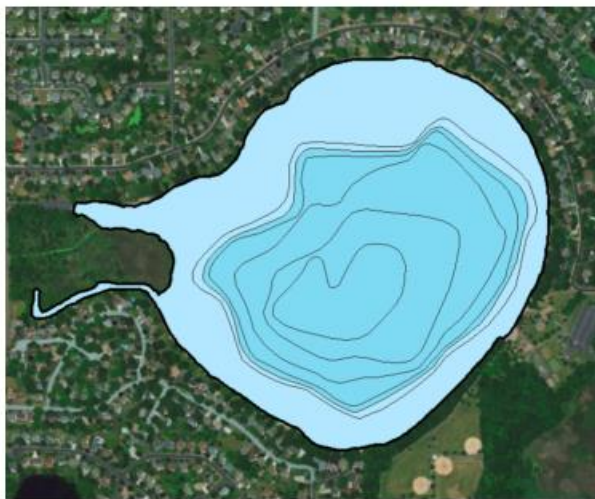
# WLCA 5 Year Plan

## Lake Management Planning & Guidance

### Weaver Lake

Hennepin County, MN (#27-0117-00)

Updated: March 2018



**FRESHWATER**  
Scientific Services, LLC

| Priority   | Issue  | Detail  | Timing     | Uses Impaired  |
|------------|--|---|------------|--|
| 1          | Curlyleaf Pondweed                             | Invasive plant; forms areas of dense, surface-matted growth in some areas and releases nutrients upon die-off in early summer   | Apr-Jun    | Access, Boating, Swimming, Waterski/Tubing, Aesthetics                     |
| <b>X</b> 2 | Eurasian Watermilfoil                          | First found in 2014; since then, only found at one location in 2017. Currently under control, but has potential to expand if not managed  | Jun-Sep    | Potential to Impair Access, Boating, Swimming, Waterski/Tubing, Aesthetics |
| 3          | Preventing New AIS Infestations                | Enhance prevention strategies; Early Detection/Rapid Response Planning  | Year-Round | Boating, Waterski/Tubing, Swimming, Fishing, Aesthetics                    |
| 4          | Filamentous Algae                              | Floating mats of filamentous algae form each spring; very dense and widespread in some years. Generally not a problem after May   | May-Jun    | Swimming, Aesthetics   |
| 5          | Protect/Promote Diverse Native Plant Community | Current native plant community dominated by a few species that form large areas of dense growth (coontail and Elodea). Need to promote greater diversity and protect areas that currently support diverse native plants | May-Sep    | Fishing, Boating, Aesthetics   |
| 6          | Prevent Degradation of Water Clarity           | Current water clarity is quite good (~9 ft) and needs to be maintained to promote native plant establishment  | Year-Round | Aesthetics, Swimming, Fishing  |
| 7          | Dense Native Plants                            | Coontail and Elodea form areas of dense, surface-matted growth in some nearshore areas  | Jun-Sep    | Access, Boating, Swimming, Aesthetics                                      |
| 8          | Declining Fishery                              | Recent MDNR fish surveys indicate that the populations of Northern Pike and Largemouth Bass are the lowest they have been since ~1990. Need strategies to allow these populations to recover.                           | Year-Round | Fishing  |

**X** *Currently one of the only lakes in MN to have Eurasian Watermilfoil and than eradicate it!*

# Adopt – A – Drain

- 25 households participated
- 51 drains adopted in watershed
  - 43 of the 53 “Inner Ring” drains Adopted 81%
  - 51 of the 188 Total Watershed drains Adopted 27%
- Estimated 687 Pounds of debris kept out of weaver lake





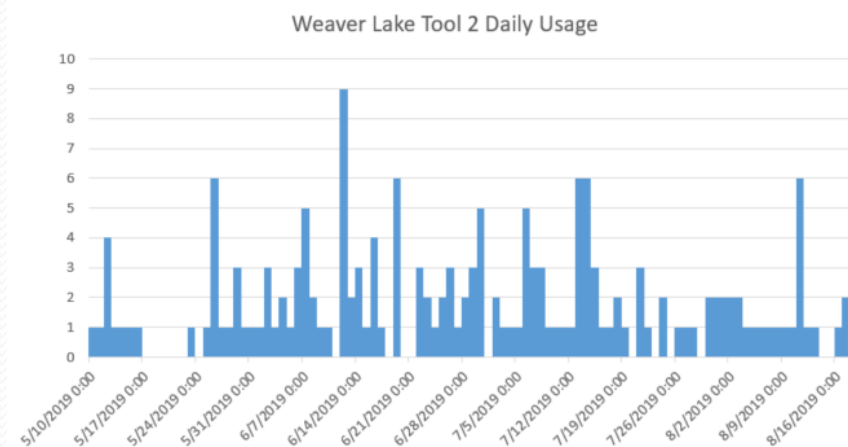
# AIS and Boat Launch Changes



**Make a quick inspection  
to prevent a lake infection  
remove weeds, drain livewell  
prevent spread of invasive  
species**



# CD3 and Boat Launch Changes



# Fish Stocking

- The WLCA is active in understanding and supporting Weaver Lake Fishery.
- The WLCA has worked closely with the DNR on special fish surveys done in 2018 to determine any short falls in the fishery.
- The WLCA has actively stocked Tiger Muskellunge in the past and is currently looking to do another private stocking. (Unsure of what at this time)

## Lake stocking report

Fish [Stocked](#) by Species for the Last Ten Years

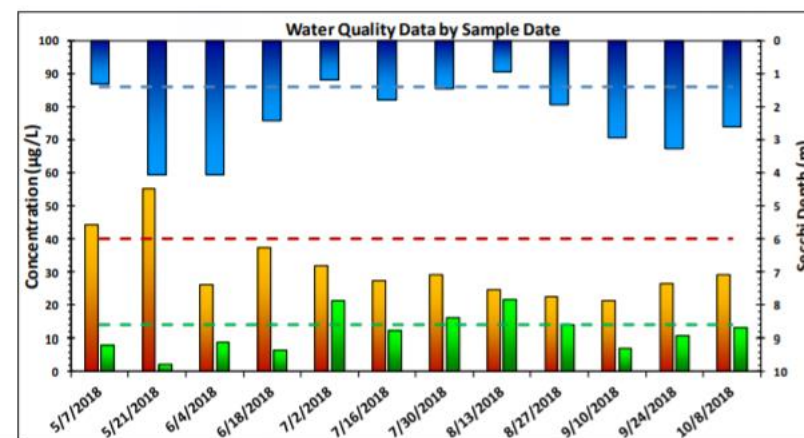
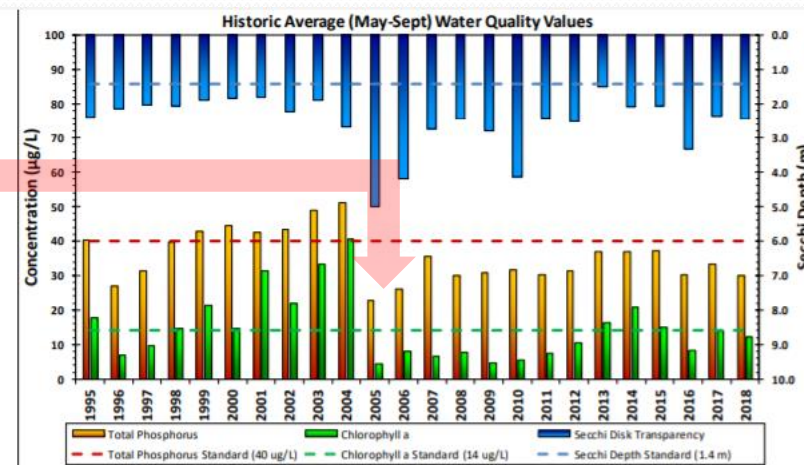
| Year | Species                        | Size        | Number | Pounds |
|------|--------------------------------|-------------|--------|--------|
| 2016 | Tiger Muskellunge <sup>1</sup> | fingerlings | 200    | 56.3   |
| 2014 | Tiger Muskellunge <sup>1</sup> | fingerlings | 200    | 56.0   |

# The data suggests we are OK

Notice the step difference in quality after 2004 when WLCA started chemical treatments of curlyleaf



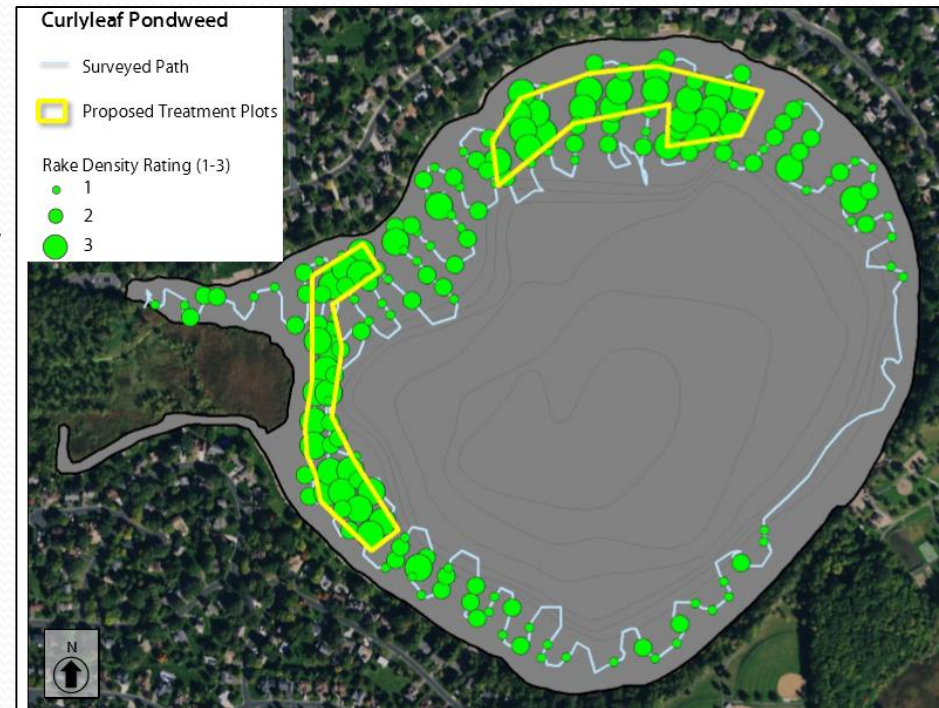
Early Spring curlyleaf Sampling





# Curlyleaf Treatments

- WLCA decided not to treat for curlyleaf in 2017
  - Why?
  - DNR feedback and better ideas of problem areas of future treatment
- What did we learn?
  - The total area with curlyleaf is 28.4 acres.
  - WLCA will be treating curlyleaf in two designated areas and spot treat other problem areas for years without spring survey.
  - Possibility to rotate chemical used with testing diquat and monitoring the results.



# 2019 Curlyleaf Treatment

- Second year treating with chemical called diquat
- Working closely with DNR AIS program
- Treated areas lowering (12 acres)
- Less than previous years
  - Impressive rebound in native plant species
  - No new Eurasian Water Milfoil



# We are here to help

|                          |                   |              |                                     |                                 |                                |  |  |
|--------------------------|-------------------|--------------|-------------------------------------|---------------------------------|--------------------------------|--|--|
| Weaver<br>Lake (27-0117) | MS4s: Maple Grove | Not impaired | Summer average TP typically 30 µg/L | Currently meets state standards | Reduce in-water loading        | Continue monitoring and management efforts to control curly-leaf pondweed in lake<br>Periodically assess internal loading and address through suitable control measures as necessary   | Continue monitoring and management program<br>Re-assess internal load every 2 years                            |
|                          |                   |              |                                     |                                 | Improve urban SW mgt.          | Inventory/assess/maintain key detention basins in watershed – especially the two-cell basin west of lake that receives first-flush diversion runoff<br>Initiate intensive street sweeping in the direct drainage of the lake, concentrating first on sweeping every 1-2 weeks of the area in April to remove pollutants that may have accumulated over the winter, in late May and June to remove tree seeds, and in October to remove leaves. | Complete inventory and assessment within 2 years<br>Implement intensive street sweeping program within 5 years |
|                          |                   |              |                                     |                                 | Monitoring and public outreach | Continue growing season monitoring efforts annually, including monitoring of hypolimnetic phosphorus concentrations and early and late summer aquatic plant surveys.<br>Implement information, education and outreach effort throughout the watershed to minimize stormwater pollution inputs  | Monitor annually<br>2-5 outreach events within 3 years   |

Currently Meets  
State Standards  
Protection

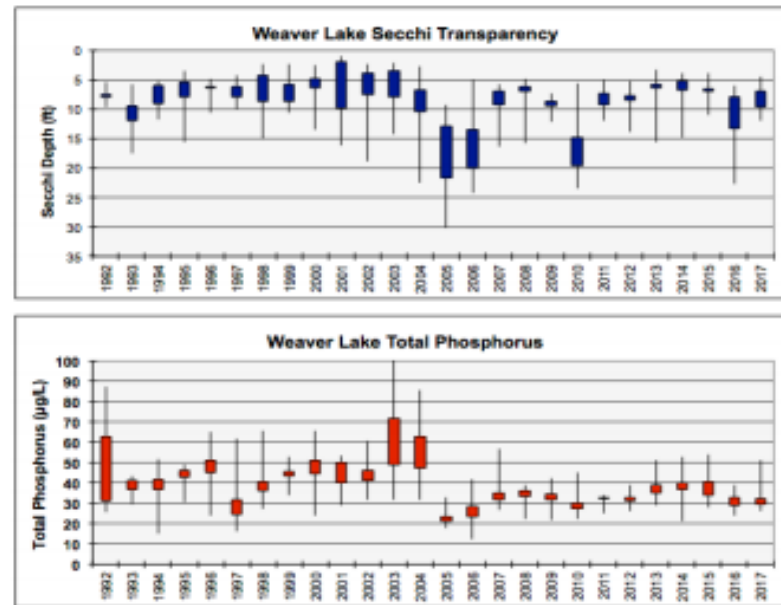
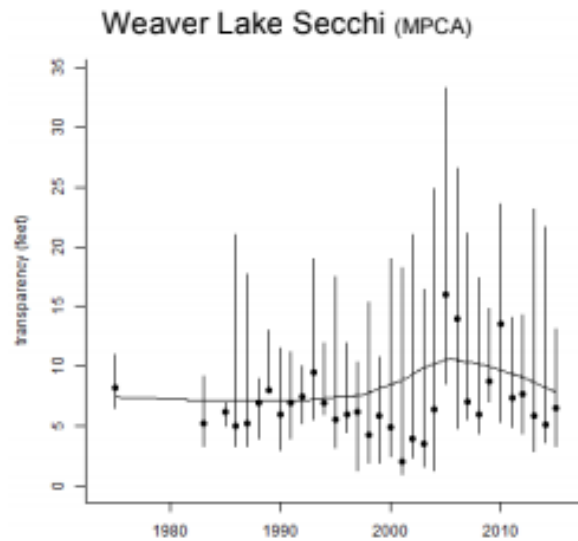
Who is Taking  
Action?

How can we help?

Weaver Lake (Maple Grove). Key findings pertaining to Weaver Lake are as follows:

- Weaver Lake is 152 acres in area with a maximum depth of 57 feet. It is classified as a deep lake. The area draining to the lake is less than 200 acres of largely suburban land uses located in the City of Maple Grove.
- Historical water quality data indicate that the lake met state water quality standards for deep lakes in the North Central Hardwood Forest ecoregion for all three trophic state parameters (TP, chlorophyll a, and water clarity) between 2005 and 2012, and for TP and water clarity in 2013.
- The lake's small watershed and significant depth, as well as management actions already taken to treat direct runoff to the lake and limit the impact of curly leaf pondweed on water quality appears to have resulted in water quality that largely meets state water quality standards.

# So So So Close



In the years since, the lake's phosphorus levels have hovered between 30 and 40 ppb. In general, years with phosphorus below 30 had very high water clarity (10 to 20 ft), years with phosphorus between 30 and 35 had moderate clarity (8 to 10 ft), and years with phosphorus higher than 35 ppb had lower clarity (5 to 8 ft). The data in the plots below suggest that *Weaver is teetering on the edge of having high water clarity.*



# But its not all Butterflies and Roses

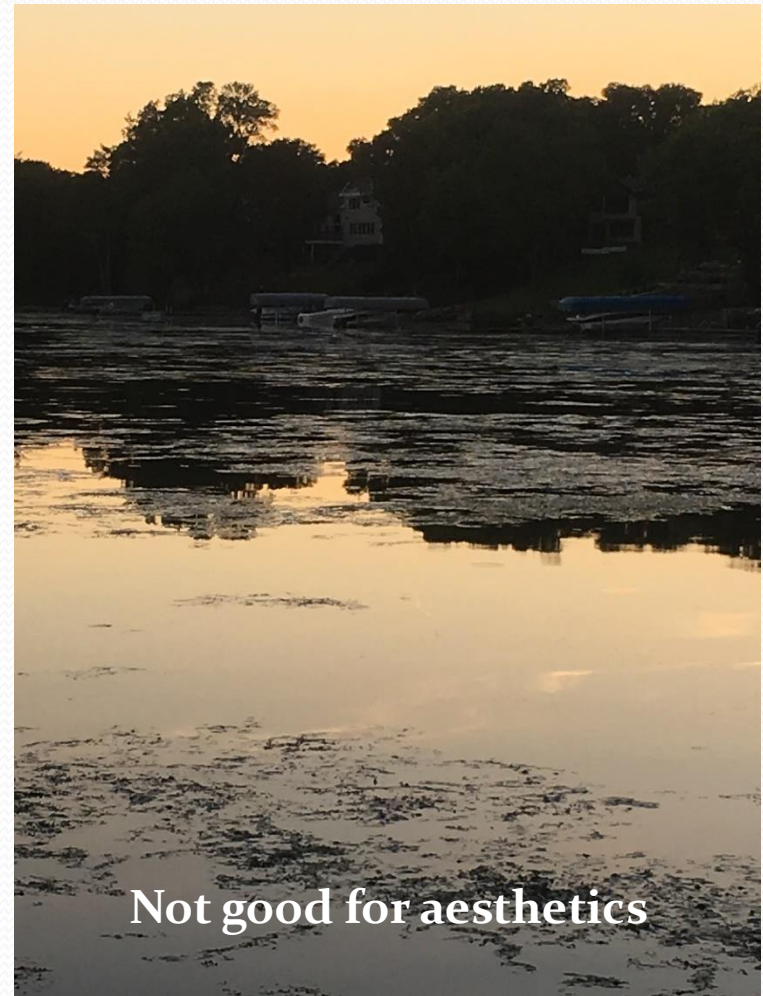
Lake outlet which goes into Elm Creek.  
Gets blocked and causes high water which equals lower water quality!



**Weaver Lake City Park and Beach  
results in a negative view of lake quality and lake  
of use.**



# It Gets Very Ugly



# Would you swim at this beach?

Weaver Lake has a filamentous algae problem which is one of the top concerns of our members.

These algae growths occur multiple times a year and impact swimming, boating and general aesthetics of the lake.



# WLCA Collecting More Data!

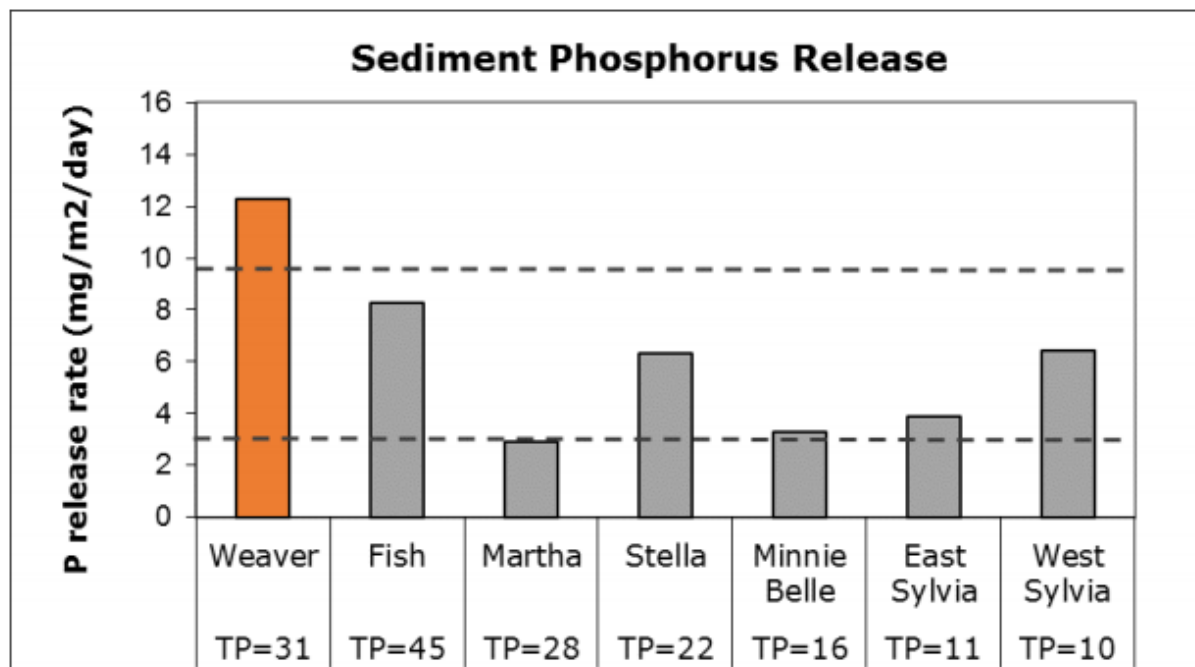


Spring of 2018 Wenck Collected Core Samples from three areas of Weaver Lake



# Core Sample Results

Anaerobic release rates for Weaver Lake station were also compared to release rates at five non-impaired deep lakes in Wright County (Martha, Stella, Minnie Belle, East Sylvia, and West Sylvia Lakes) that have similar water quality, watershed, and lake morphometry characteristics as Weaver Lake. Weaver Lake anaerobic release rates were higher than all five of these lakes further indicating the high potential of phosphorus release from sediments in the deepest parts of Weaver Lake.



# 2019 Test Plot Treatments



In spring of 2019 WLCA with the support of the City of Maple Grove did two, three-acres test plots.

1. Alum
2. Phoslock

Working with SePRO and Fresh Water Scientific on some phosphorus fractionation analysis.

# Fishery and Runoff Management

What can be done in the future to help weaver lake?

Highway 101 holding ponds? Create a third pond to hold runoff and create fish habit?





# Weaver Subwatershed Assessment

- City of Maple Grove Support
- A Subwatershed assessment would help identify watershed and internal load projects and help with which are the most cost effective and be completed first.
- Constructability analysis will be completed to ensure improvements provide a feasible/achievable solution.
- Cost-benefit analysis will be completed to help prioritize the projects that will provide the “best bang for the buck” based on initial cost, annual maintenance cost, and overall phosphorus removed annually.



# Thank You!



Find Us Online at: [wlca.org](http://wlca.org)



**Like & follow us on Facebook:**  
Weaver Lake Conservation Association





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**To:** Elm Creek Commissioners  
**From:** Judie Anderson  
**Date:** September 4, 2019  
**Subject:** Public Hearing 2019 Levy

On April 10, 2019, the Elm Creek Watershed Management Commission, upon recommendation of the Technical Advisory Committee, approved a motion to move forward with a Minor Plan Amendment (MPA) to its Third Generation Watershed Management Plan to revise the Capital Improvement Program (CIP). The MPA would revise Table 4.5 of the Commission's Third Generation Plan CIP in order to add three projects, remove one project, and shift the timing or funding of six projects currently listed on the CIP. These new projects and project updates were submitted by the member cities. Following a public meeting conducted by the Commission on May 8, 2019, the Commission adopted Resolution 2019-02 Adopting a Minor Plan Amendment.

Doug Baines, representative from Dayton and Commission chair, was present at a meeting of a Committee of the Hennepin County Board on June 25, 2019, to answer questions regarding the amendment. The County Board approved the Minor Plan Amendment and adopted a 2019 maximum levy of \$448,935 for the Elm Creek Commission on July 9, 2019.

The projects for which the levy will be certified are:

|                 |  |                  |
|-----------------|--|------------------|
| Project 2019-01 | Rush Creek Main Stem Stream Stabilization Project Phase 3, Maple Grove | \$ 26,513        |
| Project 2019-02 | Ranchview Wetland Restoration, Maple Grove                             | \$132,563        |
| Project 2019-03 | Agricultural BMPs Cost Share, watershedwide                            | withdrawn        |
| Project 2019-04 | Hickory Drive Stormwater Improvement, Medina                           | \$ 81,471        |
| Project 2019-05 | Downtown Regional Stormwater Pond, Corcoran                            | \$ 28,079        |
| Project 2019-06 | Elm Creek Stream Restoration Phase IV, Champlin                        | <u>\$159,075</u> |
|                 |  | \$427,701        |

The Commission called for a public hearing on September 11, 2019, to consider these projects. Member cities and the County have been notified and notice has been duly published.

#### COMMISSION ACTION

The purpose of the public hearing is to present the proposed projects and proposed financing and to take comment from the member cities and the public. The recommended order of business is as follows:

1. Suspend regular meeting
2. Staff report on projects and proposed financing
3. Commission discussion
4. Open public hearing
5. Take comments from member cities
6. Take comments from public
7. Close public hearing
8. Commission discussion
9. Consider approving Resolution 2019-03 and Cooperative Agreements with the cities of Champlin, Corcoran, Maple Grove (2), and Medina.
10. Resume regular meeting

Elm Creek Watershed Management Commission  
Public Hearing 2019 Levy  
September 4, 2019  
Page 2

## Revisions to CIP

| Description  | New Revised Existing | Est Project Cost                     | 2016              | 2017                                | 2018               | 2019**                               | 2020-2024  |
|--|----------------------|--------------------------------------|-------------------|-------------------------------------|--------------------|--------------------------------------|--|
| Fox Creek Creekview Restora Project, Rogers                    | R                    | 321,250                              | 80,312            |                                     |                    |                                      |  |
| Miss Point Park Riverbank Repair, Champlin                     | E                    | 300,000                              | 75,000            |                                     |                    |                                      |  |
| EC Dam Miss River Shoreline Restora, Champlin                  | E                    | 7,001,220                            | 187,500           |                                     |                    |                                      |  |
| <u>Fish Lake Alum Treatment Ph 1, MG</u>                       | N                    | 300,000                              | 75,000            |                                     |                    |                                      |  |
| <u>Rush Creek Main Stem Restora, MG</u>                        | R                    | 1,650,000                            | 75,000            | <del>75,000</del>                   | 75,000*            | 25,000                               | <u>75,000</u>  |
| Fox Creek Hyacinth Restora, Rogers                             | E                    | <del>360,000</del><br><u>450,000</u> |                   | <del>90,000</del><br><u>112,500</u> |                    |                                      |  |
| Fox Creek South Pointe Restora, Rogers                         | E                    | 90,000                               |                   | <del>22,500</del>                   |                    | <u>22,500</u>                        |  |
| Mill Pond Fishery & Habitat Restora, Champlin                  | E                    | 5,000,000                            |                   | <u>250,000</u>                      |                    |                                      |  |
| <i>Tree Thinning   Bank Stabiliza Project</i>                  | R                    | 50,000 annually                      | <del>50,000</del> | <u>50,000</u>                       | 50,000             | 50,000                               | <del>250,000</del><br><u>300,000</u>                   |
| <u>Ranchview Wetland Restoration, MG</u>                       | R                    | <u>2,500,000</u>                     |                   | <del>250,000</del>                  | <del>250,000</del> | <u>125,000</u><br><del>250,000</del> | <u>125,000</u>   |
| <del>Stonebridge Storm Sewer Retrofit, MG</del>                | <del>R</del>         | <del>200,000</del>                   | <del>50,000</del> | <del>50,000</del>                   |                    |                                      |  |
| Rain Garden Independence Ave, Champlin                         | R                    | 300,000                              | <del>75,000</del> | <u>75,000</u>                       |                    |                                      |  |
| Mill Pond Raingardens, Champlin                                | R                    | 400,000                              |                   | <del>100,000</del>                  | <u>100,000</u>     | <u>100,000</u>                       | <u>100,000</u>   |
| Agricultural BMPs Cost Share                                   | R                    | 50,000 annually                      | <del>50,000</del> | <u>50,000</u>                       | <u>50,000</u>      | <del>50,000</del><br><u>20,000</u>   | <del>100,000</del><br><u>150,000</u><br><u>180,000</u> |
| <del>Stone's Throw Wetland</del>                               | R                    | <del>450,000</del>                   |                   | <del>112,500</del>                  | <del>112,500</del> | <del>112,500</del>                   |  |
| <u>Rush Creek South Stem Restora, MG</u>                       | N                    | <u>675,000</u>                       |                   |                                     | <u>168,750</u>     |                                      |  |
| <u>Downtown Pond Expansion &amp; Reuse, Rogers</u>             | N                    | <u>406,000</u>                       |                   |                                     | <u>101,500</u>     |                                      |  |
| <u>Elm Creek Stream Restora Reach D, Plymouth</u>              | N                    | <u>850,000</u>                       |                   |                                     | <u>212,500*</u>    |                                      |  |
| <u>Cowley-Sylvan Connection BMPs, Rogers</u>                   | R                    | <u>300,000</u>                       |                   |                                     | <u>75,000</u>      |                                      |  |
| Hickory Dr Stormwater Improve, Medina                          | R                    | <del>225,000</del><br><u>307,920</u> |                   |                                     |                    | <del>56,250</del><br><u>76,823</u>   |  |
| <u>SW Corcoran Wetland Restoration</u>                         | N                    |                                      |                   |                                     |                    | <u>100,000</u>                       |  |
| <u>Downtown Regional SW Improve, Corcoran</u>                  | R                    | <del>50,000</del><br><u>105,908</u>  |                   |                                     |                    | <del>10,000</del><br><u>26,477</u>   |  |
| <u>EC Stream Restora Phase III, Champlin</u>                   | N                    |                                      |                   |                                     | <u>100,000*</u>    |                                      |  |
| <u>Downs Road Trail Raingardens, Champlin</u>                  | N                    |                                      |                   |                                     | <u>75,000*</u>     |                                      |  |
| <u>EC Stream Restora Phase IV, Champlin</u>                    | N                    |                                      |                   |                                     |                    | <u>150,000</u>                       |  |
| <u>Lowell Pond Raingarden, Champlin</u>                        | N                    |                                      |                   |                                     |                    | <u>100,000</u>                       | <u>100,000</u>   |
| <u>Rush Creek Headwaters SWA BMP Implenta, Corcoran/Rogers</u> | N                    |                                      |                   |                                     |                    |                                      | <u>50,000</u>  |
| <u>Brockton Lane Water Quality Improvements, Plymouth</u>      | N                    | <u>150,000</u>                       |                   |                                     |                    |                                      | <u>37,500</u>  |
| <u>The Meadows Playfield, Plymouth</u>                         | N                    | <u>5,300,000</u>                     |                   |                                     |                    |                                      | <u>250,000</u>   |
| <u>Enhanced Street Sweeper, Plymouth</u>                       | N                    | <u>350,000</u>                       |                   |                                     |                    |                                      | <u>75,000</u>  |
| <b>TOTAL</b>   |                      |                                      | <u>492,812</u>    | <u>437,500</u>                      | <u>462,500</u>     | <u>403,300</u>                       |  |

\*Feasibility Report is included in meeting packet

\*\*Prior to adjustment

Projects certified for 2016 ad valorem tax levy  
Projects certified for 2018 ad valorem tax levy

Projects certified for 2017 ad valorem tax levy  
Projects proposed to be certified for 2019 ad valorem tax levy

## PROJECT DESCRIPTIONS.

**Project 2019-01 Rush Creek Main Stem Stream Stabilization Project, Phase 3, Maple Grove,** will stabilize approximately 11,000 linear feet of Rush Creek east of I-94 and west of Fernbrook Lane, decrease potential for further bank instability that likely would occur subsequent to development of the watershed and restore the channel with native vegetation for additional stability and habitat purposes. The project will reduce sediment and nutrient loading and increase oxygenation of the water discharged to Elm Creek. The total estimated cost is \$1,650,000. The 2019 levy funding requested by the Commission for the project is \$25,000, with the remaining amount covered by future Commission levies (up to \$250,000) and the City of Maple Grove. (The adjusted levy amount will be \$26,513.\*\*\*)

**Project 2019-02 Ranchview Wetland Restoration, Maple Grove.** The overall project goal is to restore the water regime and native vegetation to a 70-acre wetland, resulting in wildlife habitat improvements and improved flood storage functions within the wetland. In addition, the City anticipates 36.5 acres of banked wetland credit. The purpose is to restore lost groundwater recharge, flood and stormwater attenuation, vegetation diversity and integrity, natural habitat of wildlife, amphibians, and invertebrates and to provide improved aesthetic, recreational and educational opportunities within this wetland. The total estimated cost is \$2,500,000. The 2019 levy funding requested by the Commission for the project is \$125,000, with the remaining amount covered by future Commission levies (up to \$250,000) and the City of Maple Grove. (The adjusted levy amount will be \$132,563.\*\*\*)

**Project 2019-04 Hickory Drive Stormwater Improvement, Medina.** This project will reduce nutrient loading to Elm Creek, which is adjacent to the project area and is currently not treated. Project will include installation of a stormwater pond for an 8.3 acre drainage area (50% impervious), stabilization of approximately 300 LF of gully erosion and installation of approximately 700 feet of curb and 600 feet of storm sewer to capture and direct stormwater to improvements. Estimated phosphorus removal is approximately 26.6 lbs/year. The total estimated cost is \$307,920. The 2019 levy funding requested by the Commission for the project is \$76,823 with the remaining amount covered by the City of Medina. (The adjusted levy amount will be \$81,471.\*\*\*)

**Project 2019-05 Downtown Regional Stormwater Pond, Corcoran.** *Clean out regional stormwater pond and retrofit with filtration for enhanced water quality treatment, prior to entering South Fork of Rush Creek.* The total estimated cost is \$105,910. The 2019 levy funding requested by the Commission for the project is \$26,477 with the remaining amount covered by the City of Corcoran. (The adjusted levy amount will be \$28,079.\*\*\*)

**Project 2019-06 Elm Creek Stream Restoration Phase IV, Champlin.** is located one-half-mile upstream of the Mill Pond and includes 5,000 LF of stream bank restoration located up-gradient of the 2012 Elm Creek Stabilization project. The proposed improvement will restore streambank and aquatic habitat, install habitat structures, and remove excess nutrient-laden sediments. The total estimated cost is \$600,000 The 2019 levy funding requested by the Commission for the project is \$150,000 with the remaining amount covered by the City of Champlin. (The adjusted levy amount will be \$159,075.\*\*\*)

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\*\*\*In November 2018 the Commission adopted a Close Project Account Policy which states, in part,

D. In order to minimize the occurrence of insufficient tax settlements received from the County, beginning with the 2019 levy (payable 2020):

1. Five percent (5%) will be added to the project cost for Commission administrative and other expenses. (Example: \$100,000 project x 105.0% = \$105,000)
2. The Commission will certify 101 percent (101%) of the total project cost to cover levy short falls. (Example: \$105,000 project x 101.0% = \$106,050)

**STAFF RECOMMENDATION**

The Technical Advisory Committee has reviewed the feasibility reports for these projects and found them to be consistent with the Commission's requirements. Staff recommends that the Commission

1. Approve the resolution that accepts the reports,
2. Order the projects,
3. Certify the Commission's share of the costs of the projects to the county levy, and
4. Approve the cooperative agreements with the cities of Champlin, Champlin, Maple Grove (2), and Medina.

| Table 4.5. Elm Creek Third Generation Plan Capital Improvement Program including 2014 levies |                 |  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |
|--|-----------------|--|-----------------|----------|----------------|-----------------------------------|---|---------------------------|------------|------------|----------------|--------------|----------------------|---------------|------------------------|-----------------|
|  |                 | Description  | Location        | Priority | Est Proj Cost  | Partners                          | Funding Source(s)   | Estimated Commission Cost |            |            |                |              |                      |               |                        |                 |
|  |                 |  |                 |          |                |                                   |   | 2014                      | 2015       | 2016       | 2017           | 2018         | 2019                 | Levy Amt 2019 | Total Levied thru 2018 | 2020-2024       |
| 1  | 2014-01         | Tower Drive Improvements   | Medina          |          |                |                                   |   | 68,750                    |            |            |                |              |                      |               |                        |                 |
| 2  | 2014-02         | Elm Creek Dam at Mill Pond   | Champlin        |          |                |                                   |   | 62,500                    |            |            |                |              |                      |               |                        |                 |
|  |                 | Special Studies  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |
| 3  |                 | TMDL implementation special study  | Watershed       | H        | \$225,000.00   | Cities, HCEED                     | Operating budget  |                           | 0          | 25,000     | 25,000         | 25,000       | 25,000               |               |                        | 125,000         |
| 4  |                 | Stream segment prioritization  | Watershed       | H        | \$20,000.00    | Cities, HCEED, TRPD               | Operating budget  |                           | 10,000     | 0          | 0              | 0            | 10,000               |               |                        | 0               |
|  |                 | High Priority Stream Restoration Projects                                      |                 |          |                | Cities, TRPD                      | Cities, TRPD, county levy, grants   |                           |            |            |                |              |                      |               |                        |                 |
| 5  | 2015-01         | Elm Cr Reach E   | Plymouth        | H        | \$1,086,000.00 | Commission, Plymouth              | County Levy - levied in 2015  |                           | 250,000    |            |                |              |                      |               | 250,000                |                 |
| 6  | 2016-01         | CIP-2016-RO-01 Fox Cr, Creekview   | Rogers          | H        | \$321,250.00   | Commission, Rogers                | County Levy - levied in 2016  |                           | 0          | 80,312     | 0              | 0            | 0                    |               | 80,312                 | 0               |
| 7  | 2016-02         | Mississippi Point Park Riverbank Repair  | Champlin        | M        | \$300,000.00   |                                   | County Levy - levied in 2016  |                           | 0          | 75,000     | 0              | 0            | 0                    |               | 75,000                 | 0               |
| 8  | 2016-03         | Elm Creek Dam  | Champlin        | H        | \$7,001,220.00 |                                   | County Levy - levied in 2016  |                           | 0          | 187,500    | 0              | 0            | 0                    |               | 187,500                | 0               |
| 9  |                 | Tree Thinning and Bank Stabilization Project                                   | Watershed       | H        | \$50,000.00    |                                   |   |                           | 0          |            | 50,000         | 50,000       | 50,000               |               |                        | 250,000 300,000 |
| 10   | 2017-01         | Fox Cr, Hyacinth   | Rogers          | M        | \$360,000.00   |                                   | County Levy - levied in 2017  |                           | 0          | 0          | 90,000 112,500 | 0            | 0                    |               | 112,500                | 0               |
| 11   |                 | Fox Cr, South Pointe, Rogers <del>MOVED TO 2021</del>                          | Rogers          | M        | \$90,000.00    |                                   |   |                           | 0          | 0          | 22,500         | 0            | 22,500               |               |                        | 22,500          |
| 12   |                 | Other High Priority Stream Project   | Watershed       | H        | \$500,000.00   |                                   |   |                           | 0          | 0          | 0              | 125,000      | 125,000              |               |                        | 250,000         |
| 13   | 2016-04 2019-01 | CIP-2016-MG-02 Rush Creek Main   | Maple Grove     |          | \$1,650,000.00 |                                   | County Levy - levied in 2016, 2018  |                           |            | 75,000     | 75,000         | 75,000       | 25,000               | 26,513        | 150,000                |                 |
| 14   |                 | CIP-2016-MG-03 Rush Creek South  | Maple Grove     |          | \$675,000.00   |                                   |   |                           |            |            |                | 168,750      |                      |               |                        |                 |
| 15   |                 | CIP-2017-PL-01 EC Stream Restoration Reach D                                   | Plymouth        |          | \$850,000.00   | City, County, Comm                | County Levy - levied in 2018  |                           |            |            |                | 212,500      |                      |               | 212,500                |                 |
|  |                 | High Priority Wetland Improvements   |                 |          |                | Cities                            | Cities, Commission  |                           |            |            |                |              |                      |               |                        |                 |
| 16   |                 | DNR #27-0437   | Maple Grove     | L        | \$75,000.00    |                                   |   |                           | 0          | 0          | 0              | 0            | 0                    |               |                        | 18,750          |
| 17   |                 | Stone's Throw Wetland <del>REMOVED 2019</del>                                  | Corcoran        | M        |                |                                   |   |                           | 0          | 0          | 112,500        | 112,500      | 112,500              |               |                        | 0               |
| 18   |                 | Other High Priority Wetland Projects   | Watershed       | L        | \$100,000.00   |                                   |   |                           | 0          | 0          | 0              | 0            | 0                    |               |                        | 25,000          |
| 19   | 2019-02         | CIP-2016-MG-01 Ranchview Wetland Restoration <del>MOVED TO 2019</del>          | Maple Grove     |          | 2,500,000.00   |                                   |   |                           |            |            | 250,000        | 250,000      | 250,000 125,000      | 132,563       |                        | 125,000         |
|  |                 | Lake TMDL Implementation Projects  |                 |          |                | Cities, lake assns.               | Cities, Comm, grants, owners  |                           |            |            |                |              |                      |               |                        |                 |
| 20   | 2017-03         | Mill Pond Fishery and Habitat Restoration                                      | Champlin        | H        | \$5,000,000.00 |                                   | County Levy - levied in 2017  |                           | 0          | 0          | 250,000        | 0            | 0                    |               | 250,000                | 0               |
| 21   |                 | Other Priority Lake Internal Load Projects                                     | Watershed       | M        | \$100,000.00   |                                   |   |                           | 0          | 0          | 0              | 0            | 0                    |               |                        | 25,000          |
| 22   | 2016-05         | CIP-2016-MG-04 Fish Lake Alum Treatment-Phase 1                                | Maple Grove     | H        | \$300,000.00   | City, TPRD, Comm, lake assn       | County Levy - levied in 2016  |                           |            | 75,000     |                |              |                      |               | 75,000                 |                 |
| 23   |                 | Stonebridge  | Maple Grove     | M        |                |                                   | retrofit of addl stormsewer treatment systems will not occur during st reconstruction project |                           | 0          |            | 50,000         | 0            | 0                    |               |                        | 0               |
| 24   | 2017-04         | Rain Garden at Independence Avenue   | Champlin        | L        | \$300,000.00   |                                   | County Levy - levied in 2017  |                           | 0          |            | 75,000         | 0            | 0                    |               | 75,000                 | 0               |
| 25   |                 | <del>CIP-2016-CH-01</del> Mill Pond Rain Gardens                               | Champlin        | M        | \$400,000.00   |                                   |   |                           | 0          | 0          |                | 100,000      | 100,000              |               |                        | 100,000         |
| 26   |                 | Other Priority Urban BMP Projects  | Watershed       | L        | \$200,000.00   |                                   |   |                           | 0          | 0          | 0              | 0            | 0                    |               |                        | 50,000          |
|  |                 | Other  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |
| 27   |                 | Livestock Excluss, Buffer & Stabilized Access                                  | Watershed       | M        | \$50,000.00    | Cities, owners, U Extension, NRCS | Cities, owners, Comm, NRCS  |                           | 0          | 0          | 0              | 50,000       | 0                    |               |                        | 50,000          |
| 28   | 2019-03         | Agricultural BMPs Cost Share   | Watershed       | H        | \$50,000.00    | Cities, owners, U Extension, NRCS | Cities, owners, Comm, NRCS  |                           | 0          |            | 50,000         | 50,000       | 50,000 20,000 50,000 |               |                        | 50,000          |
| 29   |                 | <del>CIP-2016-RO-04</del> CIP-2017-RO-1 Ag BMPs-Cowley-Sylvan Connections BMPs | Rogers          |          | \$300,000.00   | City, Comm                        | City, Comm, BWSR  |                           |            |            |                | 75,000       |                      |               |                        |                 |
| 30   |                 | CIP-2016-RO-03 Downtown Pond Exp & Reuse                                       | Rogers          |          | \$406,000.00   |                                   |   |                           |            |            |                | 101,500      |                      |               |                        |                 |
| 31   | 2019-04         | Hickory Drive Stormwater Improvement <del>COST ADJUSTED 2019</del>             | Medina          |          | \$307,920.00   | City, Comm, Grants                |   |                           |            |            |                |              | 56,250 76,823        | 81,471        |                        |                 |
| 32   |                 | SE Corcoran Wetland Restoration  | Corcoran        |          | \$400,000.00   | City, Comm, 319 Grant             |   |                           |            |            |                |              | 100,000              |               |                        | 100,000         |
| 33   | 2019-05         | Downtown Regional Stormwater Pond <del>REQUIRES FEASIBILITY STUDY</del>        | Corcoran        |          | \$105,910.00   | City, Comm                        |   |                           |            |            |                |              | 10,000 26,477        | 28,079        |                        |                 |
| 34   |                 | Elm Creek Stream Restoration Phase III   | Champlin        | H        | \$400,000.00   |                                   | County Levy - levied in 2018  |                           |            |            |                | 100,000      |                      |               | 100,000                |                 |
| 35   |                 | Downs Road Trail Raingarden  | Champlin        | H        | \$300,000.00   |                                   | County Levy - levied in 2018  |                           |            |            |                | 75,000       |                      |               | 75,000                 |                 |
| 36   | 2019-06         | Elm Creek Stream Restoration Phase IV  | Champlin        | H        | \$600,000.00   |                                   |   |                           |            |            |                |              | 150,000              | 159,075       |                        |                 |
| 37   |                 | Lowell Pond Raingarden   | Champlin        | H        | \$400,000.00   |                                   |   |                           |            |            |                |              | 100,000              |               |                        | 100,000         |
| 38   |                 | Rush Creek Headwaters SWA BMP Implementation                                   | Corcoran/Rogers | H        | \$200,000.00   | cities, county, TRPD              | cities, county, TRPD, owners  |                           |            |            |                |              |                      |               |                        | 50,000          |
| 39   |                 | Hydrologic & Hydraulic Modeling  | Watershed       | L        | \$25,000.00    | HCEE                              | Commission  |                           | 0          | 0          | 0              | 25,000       | 0                    |               |                        | 0               |
| 40   |                 | Brockton Lane Water Quality improvements <del>NEW 2019</del>                   | Plymouth        |          | \$150,000.00   |                                   |   |                           |            |            |                |              | 0                    |               |                        | 37,500          |
| 41   |                 | Mill Pond Easement <del>NEW, REMOVED 2019</del>                                | Champlin        |          | \$64,000.00    |                                   |   |                           |            |            |                |              | 16,000               |               |                        |                 |
| 42   |                 | The Meadows Playfield <del>NEW 2019</del>                                      | Plymouth        |          | 5,300.00       |                                   |   |                           |            |            |                |              |                      |               |                        | 250,000         |
| 43   |                 | Enhanced Street Sweeper <del>NEW 2019</del>                                    | Plymouth        |          | \$350,000.00   |                                   |   |                           |            |            |                |              |                      |               |                        | 75,000          |
| 44   |                 | Fourth Generation Plan   | Commission      | L        | \$70,000.00    |                                   | Commission  |                           | 0          | 0          | 0              | 0            | 0                    |               |                        | \$70,000        |
|  |                 |  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |
|  |                 |  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |
|  |                 |  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |
| 51   |                 | TOTAL STUDIES  |                 |          | 245,000        |                                   | COMM SHARE TOTAL STUDIES  |                           | 10,000     | 25,000     | 25,000         | 25,000       | 35,000               |               |                        | 125,000         |
| 52   |                 | TOTAL CIPS   |                 |          | 26,037,300     |                                   | COMM SHARE TOTAL CIPS   |                           | \$ 250,000 | \$ 492,812 | \$ 437,500     | \$ 1,032,750 | \$ 403,300           |               |                        | \$ 1,698,750    |
| 53   |                 | LEVY AMOUNT  |                 |          |                |                                   | LEVY AMOUNT   | 131,250                   | \$ 250,000 | \$ 492,812 | \$ 437,500     | 462,500      |                      | \$ 427,701    | \$ 1,774,062           |                 |
|  |                 |  |                 |          |                |                                   |   |                           |            |            |                |              |                      |               |                        |                 |

**Legal Notice**  
**NOTICE OF PUBLIC HEARING**  
**ELM CREEK WATERSHED MANAGEMENT COMMISSION**

**TO WHOM IT MAY CONCERN:**

Notice is hereby given that the Elm Creek Watershed Management Commission (ECWMC) will meet at Maple Grove City Hall, 12800 Arbor Lakes Parkway, Maple Grove, MN, on Wednesday, September 11, 2019, at approximately 11:30 a.m., or as soon thereafter as the matter may be heard, for a public hearing on the following improvements:

**Project 2019-01: Rush Creek Main Stem Stream Stabilization Phase 3.**

**Location:** East of I-94, west of Fernbrook Lane, Maple Grove. #

**Description:** Stabilize and restore approx. 11,000 feet of Rush Creek streambank.

**Cost:** Estimated project cost is \$1,650,000, with \$1,625,000 borne by the City of Maple Grove and other sources. The ECWMC proposes to fund \$25,000 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

**Project 2019-02: Ranchview Wetland Restoration.**

**Location:** North of Highway 610 and east of I-94, Maple Grove.

**Description:** Restore 70-acre wetland, improving wildlife habitat and flood storage.

**Cost:** Estimated project cost is \$2,500,000, with \$2,375,000 borne by the City of Maple Grove and other sources. The ECWMC proposes to fund \$125,000 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

**Project 2019-04: Hickory Drive Stormwater Improvement.**

**Location:** 3600 Hickory Drive, northeast of Hickory Drive cul-de-sac, north of Hamel Road, Medina.

**Description:** Install stormwater pond for 8.3-acre drainage area, stabilize 300 LF of gully erosion, install curb and storm sewer to capture and direct stormwater to improvements.

**Cost:** Estimated project cost is \$307,920, with \$231,097 borne by the City of Medina and other sources. The ECWMC proposes to fund \$76,823 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

**Project 2019-05: Downtown Regional Stormwater Pond.**

**Location:** Downtown Corcoran.

**Description:** Clean out regional stormwater pond, retrofit with filtration for enhanced water quality treatment.

**Cost:** Estimated project cost is \$105,910, with \$79,433 borne by the City of Corcoran and other sources. The ECWMC proposes to fund \$26,477 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

**Project 2019-06: Elm Creek Stream Restoration Phase IV.**

**Location:** Approximately 2600 feet upstream of the Mill Pond, Champlin.

**Description:** Restore and protect 5,000 LF of Elm Creek.

**Cost:** Estimated project cost is \$600,000, with \$450,000 borne by the City of Medina and other sources. The ECWMC proposes to fund \$150,000 by certifying this cost to Hennepin County for collection with the county ad valorem tax levy.

The Commission proposes to proceed under the authority granted by MN Statutes, Sec. 103B.251 to certify its share of the project cost to Hennepin County for payment by a tax levy on all taxable property located within the Elm Creek watershed. The watershed includes all or portions of the cities of Champlin, Corcoran, Dayton, Maple Grove, Medina, Plymouth, and Rogers. Maps of the watershed are available at the respective city halls or at [www.elmcreekwatershed.org](http://www.elmcreekwatershed.org).

Persons who desire to be heard with reference to the proposed improvements will be heard at this meeting. Written comments may be submitted to Doug Baines, c/o JASS, 3235 Fernbrook Lane, Plymouth, MN 55447, or emailed to [judie@jass.biz](mailto:judie@jass.biz). Auxiliary aids for persons with handicaps are available upon request at least 7 days in advance. Please contact Judie Anderson at 763-553-1144 to make arrangements.

/s/ Doug Baines, Chair

By order of the Elm Creek Watershed Management Commission

# # #

Published between August 26 and September 6, 2019 in the Osseo-Maple Grove Press  
Z:\Elm Creek\CIPs\2019\Legal Notice Hearing\_2019 projects\_.doc

**COOPERATIVE AGREEMENT  
FOR  
2019-01 RUSH CREEK MAIN STEM STREAM STABILIZATION PROJECT PHASE 3**

This Agreement is made as of this \_\_\_\_ day of \_\_\_\_\_, 2019, by and between the Elm Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the “Commission”), and the City of Maple Grove, a Minnesota municipal corporation (hereinafter the “City”).

WITNESSETH:

WHEREAS, the Commission has adopted the Elm Creek Watershed Management Plan as amended on May 8, 2019 (the “Plan”), a watershed management plan within the meaning of Minn. Stat., § 103B.231; and

WHEREAS, the Plan includes a capital improvement program (“CIP”) that lists a number of water quality project capital improvements; and

WHEREAS, the water quality projects identified in the CIP include the **Rush Creek Main Stem Stream Stabilization Project Phase 3**, more fully described in Attachment One to this Agreement, which is hereby made a part hereof (the “Project”); and

WHEREAS, the Plan specifies that projects in the CIP will be partially funded by a County tax levy under Minn. Stat., § 103B.251; and

WHEREAS, on September 11, 2019, the Commission adopted a resolution ordering the Project, directing that it be constructed by the City and that the Commission’s share of the Project costs be certified to Hennepin County for payment in accordance with Minn. Stat., § 103B.251; and

WHEREAS, it is expected that Hennepin County will levy taxes throughout the watershed for the Project, for collection and settlement in 2020; and

WHEREAS, the City is willing to construct the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS AND AGREEMENTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. The Project will consist of improvements in the City as more fully described in Attachment One.
2. The City will design the Project and prepare plans and specifications for construction of the Project. Plans and specifications are subject to approval by the Commission’s consulting engineer and the City of Maple Grove City Engineer.
3. The City will advertise for bids and award contracts in accordance with the requirements of law. The City will award the contract and supervise and administer the construction of the Project to assure that it is completed in accordance with plans and specifications. The City will



require the contractor to provide all payment and performance bonds required by law. The City will require that the Commission be named as additional insured on all liability policies required by the City of the contractor. The City will require that the contractor defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed.

4. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The Commission will secure payment from the County in accordance with Minn. Stat., § 103B.251 in the amount of twenty-five thousand dollars (\$25,000). It is understood that tax settlement from the County is not expected to occur until 2020.

Out-of-pocket costs related to the Project, incurred and paid by the Commission for publication of notices, securing County tax levy, preparation of contracts, review of proposed contract documents and administration of this contract shall be repaid from funds received in the tax settlement from Hennepin County. Amounts received from the County, up to \$25,000, less reimbursement to the Commission of such expenses are available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made on completion of the project and submittal of as-builts. Reimbursement to the City will be made as soon as funds are available provided a request for payment has been received from the City providing such detailed information as may be requested by the Commission to substantiate costs and expenses.

6. Reimbursement to the City will not exceed the amount received from the County, up to \$25,000, for the Project less any amounts retained by the Commission for Commission expenses. All costs of the Project incurred by the City in excess of such reimbursement, including all costs incurred in excess of estimated project costs due to unforeseen conditions or any other cause, shall be borne by the City or secured by the City from other sources.
7. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission.
8. The City will secure all necessary local, state, or federal permits required for the construction of the Project.
9. The project will be constructed on land owned or easements held by the City.
10. The City will have ownership of the associated improvements, and will maintain them in good operating condition in perpetuity or until such time as they are replaced with like improvements.
11. The City will defend, indemnify, protect and hold harmless the Commission and its agents, officers, and employees, from any claims arising out of the design, construction, or maintenance of the Project, including environmental claims. Nothing herein shall be deemed a waiver of the limitations of liability in Minnesota Statutes, Chapter 466.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

ELM CREEK WATERSHED  
MANAGEMENT COMMISSION

By: \_\_\_\_\_  
Its Chair

And by: \_\_\_\_\_  
Its Administrator

CITY OF MAPLE GROVE

By: \_\_\_\_\_  
Its Mayor

And by: \_\_\_\_\_  
Its Manager

## ATTACHMENT ONE

## EXHIBIT A

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

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

|                  |  |  |
|------------------|--|--|
| City             | Maple Grove  |  |
| Contact Name     | Rick Lestina   |  |
| Telephone        | 763-494-6354   |  |
| Email            | rlestina@ci.maple-grove.mn.us  |  |
| Address          | 12800 Arbor Lakes Parkway, Maple Grove, MN 55398   |  |
| Project Name     | Rush Creek, Main - Stream Restoration  |  |
|                  | 1. Is project in Member's CIP? ( X ) yes ( ) no  | Proposed CIP Year = 2016                                 |
|                  |  | Amount   |
|                  | Total Estimated Project Cost   | \$1,650,000  |
|                  | Estimated Commission Share (not to exceed \$250,000)   | \$250,000  |
|                  | Other Funding Sources (name them)  | \$   |
|                  | City of Maple Grove  | \$1,400,000  |
|                  |  | \$   |
|                  | 2. What is the scope of the project? The City of Maple Grove is proposing a project to stabilize and restore approximately 11,000 feet of Rush Creek east of I-94 and west of Fernbrook.   |  |
|                  | 3. What is the purpose of the project? What water resource(s) will be impacted by the project? Decrease the potential for further bank instability that likely would occur subsequent to the development of the watershed and restore the channel with native vegetation for additional stability and habitat purposes.  |  |
|                  | 4. What is the anticipated improvement that would result from the project? Subsequent to development, it is likely that stormwater discharge from the adjacent and upstream watershed will increase. This project will significantly reduce the potential for bank erosion and sediment transport downstream. The restoration of native vegetation will provide a habitat for wildlife and a natural area for aesthetic value and study. |  |
|                  | 5. How does the project contribute to achieving the goals and programs of the Commission? This project improves the water quality within Rush Creek and reduces the amount of sediment and nutrients reaching Elm Creek. This project will increase the oxygenation of water discharged to Elm Creek.  |  |
| 0/10             | 6. Does the project result from a regulatory mandate? ( ) yes ( X ) no How? There is no mandate for the City to undertake this project. However, this project will assist with for meeting the water quality goals for Elm Creek.  |  |
| 0/10/20          | 7. Does the project address one or more TMDL requirements? ( X ) yes ( ) no Which? Although no formal implementation plan has been approved, projects that address stream bank stability will be critical in meeting the water quality goals for Elm Creek.  |  |
| 0/10/20          | 8. Does the project have an educational component? ( X ) yes ( ) no Describe. The project will involve the establishment of a native grass channel and retention of the some quality forest buffer. The area will serve as a City demonstration in regards to the value of a buffer for water quality and wildlife purposes.   |  |
| 0/10             | 9. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project?<br>( X ) yes ( ) no Identify the LGUs. Maple Grove  |  |
| 10/20            | 10. Is the project in all the LGUs' CIPs? ( X ) yes ( ) no   |  |
| 1-34             | (For TAC use)  |  |
|                  | 11. Does project improve water quality? (0-10)   | 14. Promote groundwater recharge? (0-3)                  |
|                  | 12. Prevent or correct erosion? (0-10)   | 15. Protect and enhance fish and wildlife habitat? (0-3) |
|                  | 13. Prevent flooding? (0-5)  | 16. Improve or create water recreation facilities? (0-3) |
| TOTAL (poss 114) |  |  |



## Rush Creek Restoration

This project involves the stabilization of the erosional sites in a 2900 linear foot portion of Rush Creek within the proposed The Enclave on Rush Creek project. The initial erosion was likely due to increase flows from the developing watershed. Erosion has caused encroachment into the adjacent woods and trees and other debris to fall into the creek. The debris in the creek has resulted in diversion of flows to the toe of slopes causing accelerated erosion in most outside bend locations. The erosion has created vertical slopes that range in height from 4 to 10 plus feet.



Slope loss can be as high as 10 feet in some areas along Rush Creek.

Based on the preliminary estimates there are 1,584 linear feet of creek channel that require improvements and stabilization. Control of the erosion at these sites will help minimize loss and encroachment into the woods and future adjacent lots and the planned regional trail. The approach for the channel improvements include:

- Removal of fallen trees and debris from channel to eliminate diversion of flows to toe of slope.
- Removal of select trees along the banks of the creek that appear to be a hazard and close to falling into the channel and causing additional accelerated erosion.
- Installation of Stream Barbs along many of the outside bends with erosion. Stream Barbs protect the bank by shifting the stream flows away from the stream bank experiencing erosion. The stream barbs are a stream restoration design that will allow sediment to naturally deposit upstream of the barbs, push the flows back to the center of the channel and create a hydraulic jump in the stream that will help dissipate energy and create some pool habitat for fish.

- Native seeding and shrub planting along the erosion sites will also be done to provide deep root structures and protect the slopes from erosion.
- Vertical slopes will be re-graded to less severe slopes (2:1) to allow for stabilization.

The above discussed approach was used successfully in the Rush Creek Improvement project completed in 2006 under the City Project Number 06-16 within the Dunlavin Woods development.



Stream Barbs and Shrubs from 2006 project still functioning to protect slopes along Rush Creek (photo December 2015).

Table 2 Proposed Improvement Cost Summary

| <b>The Enclave on Rush Creek Improvements</b>                 | <b>Fernbrook WM</b> | <b>Territorial WM</b> |
|---|---------------------|-----------------------|
| Sanitary Sewer  | \$330,600           | \$330,600             |
| Water Main  | \$262,300           | \$262,300             |
| Services  | \$218,000           | \$218,000             |
| Storm Sewer   | \$402,800           | \$402,800             |
| Streets   | \$963,400           | \$963,400             |
| Erosion Control   | \$46,300            | \$46,300              |
| <b>Total Improvements Segal</b>                               | <b>\$2,223,400</b>  | <b>\$2,223,400</b>    |
| <b>City of Maple Grove</b>                                    | <b>Fernbrook WM</b> | <b>Territorial WM</b> |
| Lift Station and Forcemain                                    | \$464,500           | \$464,500             |
| Trunk Watermain   | \$873,600           | \$662,400             |
| Trunk Watermain Upsize through Development                    | \$0                 | \$82,500              |
| Territorial Road Repair - Trunk Water Cost                    | \$0                 | \$530,800             |
| Territorial Road Repair City Portion (50% of West Rd Project) | \$0                 | \$116,000             |
| <b>Rush Creek Restoration</b>                                 | <b>\$442,300</b>    | <b>\$442,300</b>      |
| <b>Total Improvements City of Maple Grove</b>                 | <b>\$1,780,400</b>  | <b>\$2,298,500</b>    |
| <b>Territorial Road Assessment Properties</b>                 | <b>Fernbrook WM</b> | <b>Territorial WM</b> |
| Territorial Road (50% of West Rd Project)                     | \$0                 | \$116,000             |
| <b>Total Improvements Assessed Properties</b>                 | <b>\$0</b>          | <b>\$116,000</b>      |
| <b>Total Project</b>  | <b>\$4,003,800</b>  | <b>\$4,637,900</b>    |

The proposed area charges are assigned to the net assessable acres. Table 3 presents a summary of the area charges.



**COOPERATIVE AGREEMENT  
FOR  
2019-02 RANCHVIEW WETLAND RESTORATION PROJECT**

This Agreement is made as of this \_\_\_\_ day of \_\_\_\_\_, 2019, by and between the Elm Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the "Commission"), and the City of Maple Grove, a Minnesota municipal corporation (hereinafter the "City").

WITNESSETH:

WHEREAS, the Commission has adopted the Elm Creek Watershed Management Plan as amended on May 8, 2019 (the "Plan"), a watershed management plan within the meaning of Minn. Stat., § 103B.231; and

WHEREAS, the Plan includes a capital improvement program ("CIP") that lists a number of water quality project capital improvements; and

WHEREAS, the water quality projects identified in the CIP include the **Ranchview Wetland Restoration Project**, more fully described in Attachment One to this Agreement, which is hereby made a part hereof (the "Project"); and

WHEREAS, the Plan specifies that projects in the CIP will be partially funded by a County tax levy under Minn. Stat., § 103B.251; and

WHEREAS, on September 11, 2019, the Commission adopted a resolution ordering the Project, directing that it be constructed by the City and that the Commission's share of the Project costs be certified to Hennepin County for payment in accordance with Minn. Stat., § 103B.251; and

WHEREAS, it is expected that Hennepin County will levy taxes throughout the watershed for the Project, for collection and settlement in 2020; and

WHEREAS, the City is willing to construct the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS AND AGREEMENTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. The Project will consist of improvements in the City as more fully described in Attachment One.
2. The City will design the Project and prepare plans and specifications for construction of the Project. Plans and specifications are subject to approval by the Commission's consulting engineer and the City of Maple Grove City Engineer.
3. The City will advertise for bids and award contracts in accordance with the requirements of law. The City will award the contract and supervise and administer the construction of the Project to assure that it is completed in accordance with plans and specifications. The City will



require the contractor to provide all payment and performance bonds required by law. The City will require that the Commission be named as additional insured on all liability policies required by the City of the contractor. The City will require that the contractor defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed.

4. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The Commission will secure payment from the County in accordance with Minn. Stat., § 103B.251 in the amount of one hundred twenty-five thousand dollars (\$125,000). It is understood that tax settlement from the County is not expected to occur until 2020.

Out-of-pocket costs related to the Project, incurred and paid by the Commission for publication of notices, securing County tax levy, preparation of contracts, review of proposed contract documents and administration of this contract shall be repaid from funds received in the tax settlement from Hennepin County. Amounts received from the County, up to \$125,000, less reimbursement to the Commission of such expenses are available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made on completion of the project and submittal of as-builts. Reimbursement to the City will be made as soon as funds are available provided a request for payment has been received from the City providing such detailed information as may be requested by the Commission to substantiate costs and expenses.

6. Reimbursement to the City will not exceed the amount received from the County, up to \$125,000, for the Project less any amounts retained by the Commission for Commission expenses. All costs of the Project incurred by the City in excess of such reimbursement, including all costs incurred in excess of estimated project costs due to unforeseen conditions or any other cause, shall be borne by the City or secured by the City from other sources.
7. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission.
8. The City will secure all necessary local, state, or federal permits required for the construction of the Project.
9. The project will be constructed on land owned or easements held by the City.
10. The City will have ownership of the associated improvements, and will maintain them in good operating condition in perpetuity or until such time as they are replaced with like improvements.
11. The City will defend, indemnify, protect and hold harmless the Commission and its agents, officers, and employees, from any claims arising out of the design, construction, or maintenance of the Project, including environmental claims. Nothing herein shall be deemed a waiver of the limitations of liability in Minnesota Statutes, Chapter 466.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

ELM CREEK WATERSHED  
MANAGEMENT COMMISSION

By: \_\_\_\_\_  
Its Chair

And by: \_\_\_\_\_  
Its Administrator

CITY OF MAPLE GROVE

By: \_\_\_\_\_  
Its Mayor

And by: \_\_\_\_\_  
Its Manager

## ATTACHMENT ONE

## EXHIBIT A

## Elm Creek Watershed Management Commission

### Capital Improvement Project Submittal

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

|                  |   |                        |   |
|------------------|---|------------------------|---|
| City             | City of Maple Grove   |                        |   |
| Contact Name     | Derek Asche, Water Resources Engineer   |                        |   |
| Telephone        | 763-494-6354  |                        |   |
| Email            | <a href="mailto:dasche@maplegrovern.gov">dasche@maplegrovern.gov</a>  |                        |   |
| Address          | 12800 Arbor Lakes Parkway, Maple Grove, MN, 55398   |                        |   |
| Project Name     | Ranchview Wetland Restoration   |                        |   |
|                  | 1. Is project in Member's CIP? ( <input checked="" type="checkbox"/> ) yes ( <input type="checkbox"/> ) no  |                        | Proposed CIP Year = 2020  |
|                  | 2. Has a feasibility study or an engineering report (circle one) been done for this project? ( <input checked="" type="checkbox"/> )yes ( <input type="checkbox"/> )no  |                        |   |
|                  |   |                        | Amount  |
|                  | Total Estimated Project Cost  |                        | \$2,500,000   |
|                  | Estimated Commission Share (up to 25%, not to exceed \$250,000)   |                        | \$250,000   |
|                  | Other Funding Sources (name them)   |                        | \$  |
|                  | City of Maple Grove   |                        | \$2,250,000   |
|                  | 3. What is the scope of the project? The overall project goal is to restore the water regime and native vegetation to a 70-acre wetland which will result in wildlife habitat improvements and improved flood storage functions within the wetland. In addition, the City anticipates 36.5 acres of banked wetland credit.  |                        |   |
|                  | 4. What is the purpose of the project? What water resource(s) will be impacted by the project? The purpose is to restore lost groundwater recharge, flood and stormwater attenuation, vegetation diversity and integrity, natural habitat of wildlife, amphibians, and invertebrates and to provide improved aesthetic, recreational and educational opportunities within this wetland.   |                        |   |
|                  | 5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) 70 acres of restored wetland.   |                        |   |
|                  | 6. How does the project contribute to achieving the goals and programs of the Commission? Wetland restoration is listed as a strategy in the 2016 Watershed Restoration and Protection Study (WRAPS) for the Elm Creek Watershed. Further flood and stormwater attenuation will reduce downstream erosion which contributes to degraded water quality in Rush Creek. Meets ECWMC Goal D.2: Promote wetland enhancement or restoration of wetlands in the watershed. |                        |   |
| 0/10             | 7. Does the project result from a regulatory mandate? (X) yes ( <input type="checkbox"/> ) no How? The Elm Creek WRAPS and the strategy's contained within, address waters not meeting state standards and which are still listed as impaired and for which a Total Maximum Daily Load study will still be performed, but facilitates a more cost-effective and comprehensive characterization of multiple water bodies and overall watershed health.               |                        |   |
| 0/10/20          | 8. Does the project address one or more TMDL requirements? (X) yes ( <input type="checkbox"/> ) no Which? This wetland restoration is less than 4,000 feet from Rush Creek which has TMDL's approved for DO, E.Coli, Fishes Bio-assessments, and Invertebrate Bio-assessments. Improved water quality discharges from this wetland will support improvements within Rush Creek.   |                        |   |
| 0/10/20          | 9. Does the project have an educational component? (X) yes ( <input type="checkbox"/> ) no Describe. This area is also part of master planning for future development including recreational trails adjacent to the restored wetland.   |                        |   |
| 0/10             | 10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project?<br>(X) yes ( <input type="checkbox"/> ) no Identify the LGUs. City of Maple Grove   |                        |   |
| 10/20            | 11. Is the project in all the LGUs' CIPs? (X) yes ( <input type="checkbox"/> ) no   |                        |   |
| 1-34             | (For TAC use)<br>12. Does project improve water quality? (0-10)<br>13. Prevent or correct erosion? (0-10)<br>14. Prevent flooding? (0-5)  |                        | 15. Promote groundwater recharge? (0-3)<br>16. Protect and enhance fish and wildlife habitat? (0-3)<br>17. Improve or create water recreation facilities? (0-3) |
| TOTAL (poss 114) |   | Adopted April 11, 2012 |   |



**COOPERATIVE AGREEMENT  
FOR  
2019-04 HICKORY DRIVE STORMWATER IMPROVEMENT PROJECT**

This Agreement is made as of this \_\_\_\_ day of \_\_\_\_\_, 2014, by and between the Elm Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the "Commission"), and the City of Medina, a Minnesota municipal corporation (hereinafter the "City").

WITNESSETH:

WHEREAS, the Commission has adopted the Elm Creek Watershed Management Plan as amended on May 8, 2019 (the "Plan"), a watershed management plan within the meaning of Minn. Stat., § 103B.231; and

WHEREAS, the Plan includes a capital improvement program ("CIP") that lists a number of water quality project capital improvements; and

WHEREAS, the water quality projects identified in the CIP include the Hickory Drive Stormwater Improvement Project more fully described in Attachment One to this Agreement, which is hereby made a part hereof (the "Project"); and

WHEREAS, the Plan specifies that projects in the CIP may be partially funded by a County tax levy under Minn. Stat., § 103B.251; and

WHEREAS, on September 11, 2019, the Commission adopted a resolution ordering the Project, directing that it be constructed by the City, and that the Commission's share of the Project costs be certified to Hennepin County for payment in accordance with Minn. Stat., § 103B.251; and

WHEREAS, it is expected that Hennepin County will levy taxes throughout the watershed for the Project, for collection and settlement in 2020; and

WHEREAS, the City is willing to construct the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS AND AGREEMENTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. The Project will consist of improvements in the City as more fully described on Attachment One.
2. The City will design the Project and prepare plans and specifications for construction of the Project. Plans and specifications are subject to approval by the Commission's consulting engineer and the City of Medina City Engineer.
3. The City will advertise for bids and award contracts in accordance with the requirements of law. The City will award the contract and supervise and administer the construction of the Project to assure that it is completed in accordance with plans and specifications. The City will

require the contractor to provide all payment and performance bonds required by law. The City will require that the Commission be named as additional insured on all liability policies required by the City of the contractor. The City will require that the contractor defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed.

4. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The Commission will secure payment from the County in accordance with Minn. Stat., § 103B.251 in the amount of seventy-six thousand eight hundred twenty-three dollars (\$76,823). It is understood that tax settlement from the County is not expected to occur until 2020.

Out-of-pocket costs related to the Project, incurred and paid by the Commission for publication of notices, securing County tax levy, preparation of contracts, review of proposed contract documents and administration of this contract shall be repaid from funds received in the tax settlement from Hennepin County. Amounts received from the County, up to \$76,823, less reimbursement to the Commission of such expenses are available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made on completion of the project and submittal of as-builts. Reimbursement to the City will be made as soon as funds are available provided a request for payment has been received from the City providing such detailed information as may be requested by the Commission to substantiate costs and expenses.

6. Reimbursement to the City will not exceed the amount received from the County, up to \$76,823, for the Project less any amounts retained by the Commission for Commission expenses. All costs of the Project incurred by the City in excess of such reimbursement, including all costs incurred in excess of estimated project costs due to unforeseen conditions or any other cause, shall be borne by the City or secured by the City from other sources.
7. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission.
8. The City will secure all necessary local, state, or federal permits required for the construction of the Project.
9. The project will be constructed on land owned or easements held by the City.
10. The City will have ownership of the associated improvements, and will maintain them in good operating condition in perpetuity or until such time as they are replaced with like improvements.
11. The City will defend, indemnify, protect and hold harmless the Commission and its agents, officers, and employees, from any claims arising out of the design, construction, or

maintenance of the Project, including environmental claims. Nothing herein shall be deemed a waiver of the limitations of liability in Minnesota Statutes, Chapter 466.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

ELM CREEK WATERSHED  
MANAGEMENT COMMISSION

By: \_\_\_\_\_  
Its Chair

And by: \_\_\_\_\_  
Its Administrator

CITY OF MEDINA

By: \_\_\_\_\_  
Its Mayor

And by: \_\_\_\_\_  
Its Manager

## EXHIBIT A

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

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

|                     |  |                                 |   |
|---------------------|--|---------------------------------|---|
| <b>City</b>         | City of Medina   |                                 |   |
| <b>Contact Name</b> | Steve Scherer, Public Works Director; Dusty Finke, City Planner  |                                 |   |
| <b>Telephone</b>    | 763-473-8842; 763-473-8846   |                                 |   |
| <b>Email</b>        | <a href="mailto:Steve.scherer@medinamn.gov">Steve.scherer@medinamn.gov</a> ; <a href="mailto:dusty.finke@medinamn.gov">dusty.finke@medinamn.gov</a>  |                                 |   |
| <b>Address</b>      | 2052 County Road 24; Medina, MN 55340  |                                 |   |
| <b>Project Name</b> | Hickory Drive Stormwater Improvement   |                                 |   |
|                     | <b>1. Is project in Member's CIP?</b> ( X ) yes ( ) no   | <b>Proposed CIP Year</b> = 2019 |   |
|                     | <b>2. Has a feasibility study or engineering report (circle one) been done for this project?</b> ( ) yes ( X ) no  |                                 |   |
|                     |  | Amount                          |   |
|                     | <b>Total Estimated Project Cost</b>  | 307,920                         | <del>\$ 225,000</del>   |
|                     | <b>Estimated Commission Share</b> (up to 25%, not to exceed \$250,000)   | 76,823                          | <del>\$ 56,250</del>  |
|                     | <b>Other Funding Sources</b> (name them) – City will seek additional grant or clean water funding;<br>City stormwater utility and assessments for remainder  |                                 | <del>\$ 168,750</del>   |
|                     |  |                                 | \$  |
|                     | <b>3. What is the scope of the project?</b> Install stormwater pond for 8.3 acre drainage area (50% impervious). Stabilize approximately 300 linear feet of gully erosion. Install approximately 700 feet of curb and 600 feet of storm sewer to capture and direct stormwater to improvements.  |                                 |   |
|                     | <b>4. What is the purpose of the project? What water resource(s) will be impacted by the project?</b><br>The purpose of the project is to reduce nutrient loading to Elm Creek, which is adjacent to the project area. Drainage to Elm Creek is currently not treated.   |                                 |   |
|                     | <b>5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.)</b> Jim Kujawa has estimated the phosphorus removal would be approximately 26.6 lbs/year. This removal is estimated to consist of an estimated 16 lbs/year for the pond plus 10.6 lbs/year phosphorus reduction for the gully/erosion improvements. |                                 |   |
|                     | <b>6. How does the project contribute to achieving the goals and programs of the Commission?</b><br>The proposed project will reduce nutrient loading to Elm Creek, reduce runoff rate to Elm Creek, address implementation of the Elm Creek Watershed TMDL, and reduce erosion of the gully draining to Elm Creek.  |                                 |   |
| 0/10                | <b>7. Does the project result from a regulatory mandate?</b> ( ) yes ( X ) no <b>How?</b><br>The stormwater improvement is not triggered by a permit requirement, but is consistent with TMDL implementation.  |                                 |   |
| 0/10/20             | <b>8. Does the project address one or more TMDL requirements?</b> ( X ) yes ( ) no <b>Which?</b><br>Elm Creek Watershed TMDL   |                                 |   |
| 0/10/20             | <b>9. Does the project have an educational component?</b> ( X ) yes ( ) no <b>Describe.</b> Information related to the benefits of the project will be included in newsletters and public meetings related to the project. The anticipated location of the pond does not lend itself well to educational signage, but the City will search for options.  |                                 |   |
| 0/10                | <b>10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project?</b> ( X ) yes ( ) no <b>Identify the LGUs.</b> City of Medina   |                                 |   |
| 10/20               | <b>11. Is the project in all the LGUs' CIPs?</b> ( X ) yes ( ) no  |                                 |   |
| 1-34                | <b>(For TAC use)</b><br>12. Does project improve water quality? (0-10)<br>13. Prevent or correct erosion? (0-10)<br>14. Prevent flooding? (0-5)  |                                 | 15. Promote groundwater recharge? (0-3)<br>16. Protect and enhance fish and wildlife habitat? (0-3)<br>17. Improve or create water recreation facilities? (0-3) |
| TOTAL (poss 114)    |  | Adopted April 11, 2012          |   |







**COOPERATIVE AGREEMENT  
FOR  
2019-05 DOWNTOWN REGIONAL STORMWATER POND IMPROVEMENT PROJECT**

This Agreement is made as of this \_\_\_\_ day of \_\_\_\_\_, 2019, by and between the Elm Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the "Commission"), and the City of Corcoran, a Minnesota municipal corporation (hereinafter the "City").

WITNESSETH:

WHEREAS, the Commission has adopted the Elm Creek Watershed Management Plan as amended on May 8, 2019 (the "Plan"), a watershed management plan within the meaning of Minn. Stat., § 103B.231; and

WHEREAS, the Plan includes a capital improvement program ("CIP") that lists a number of water quality project capital improvements; and

WHEREAS, the water quality projects identified in the CIP include the **Downtown Regional Stormwater Pond Improvement Project** more fully described in Attachment One to this Agreement, which is hereby made a part hereof (the "Project"); and

WHEREAS, the Plan specifies that projects in the CIP may be partially funded by a County tax levy under Minn. Stat., § 103B.251; and

WHEREAS, on September 11, 2019, the Commission adopted a resolution ordering the Project, directing that it be constructed by the City, and that the Commission's share of the Project costs be certified to Hennepin County for payment in accordance with Minn. Stat., § 103B.251; and

WHEREAS, it is expected that Hennepin County will levy taxes throughout the watershed for the Project, for collection and settlement in 2020; and

WHEREAS, the City is willing to construct the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS AND AGREEMENTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

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require the contractor to provide all payment and performance bonds required by law. The City will require that the Commission be named as additional insured on all liability policies required by the City of the contractor. The City will require that the contractor defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed.

4. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The Commission will secure payment from the County in accordance with Minn. Stat., § 103B.251 in the amount of twenty-six thousand four hundred seventy-seven dollars (\$26,477). It is understood that tax settlement from the County is not expected to occur until 2020.

Out-of-pocket costs related to the Project, incurred and paid by the Commission for publication of notices, securing County tax levy, preparation of contracts, review of proposed contract documents and administration of this contract shall be repaid from funds received in the tax settlement from Hennepin County. Amounts received from the County, up to \$26,477, less reimbursement to the Commission of such expenses are available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made on completion of the project and submittal of as-builts. Reimbursement to the City will be made as soon as funds are available provided a request for payment has been received from the City providing such detailed information as may be requested by the Commission to substantiate costs and expenses.

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11. The City will defend, indemnify, protect and hold harmless the Commission and its agents, officers, and employees, from any claims arising out of the design, construction, or

maintenance of the Project, including environmental claims. Nothing herein shall be deemed a waiver of the limitations of liability in Minnesota Statutes, Chapter 466.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

ELM CREEK WATERSHED  
MANAGEMENT COMMISSION

By: \_\_\_\_\_  
Its Chair

And by: \_\_\_\_\_  
Its Administrator

CITY OF CORCORAN

By: \_\_\_\_\_  
Its Mayor

And by: \_\_\_\_\_  
Its Manager

## ATTACHMENT ONE

# Technical Memo



**To:** City of Corcoran

**From:** Daniel Elemes, PE, Wenck Associates, Inc.

**Date:** April 1<sup>st</sup>, 2019

**Subject:** Water Quality Improvements at Corcoran Downtown Pond

Wenck created a P8 model to evaluate the pollutant removal efficiency of the wet pond north of Commerce Street and Auger Avenue. Four scenarios in total were analyzed:

- Scenario 1: existing conditions.
- Scenario 2: sediment removed from pond.
- Scenario 3: retrofit a four-foot wide sand filter bench along pond perimeter.
- Scenario 2 + 3: sediment removal from the pond and a four-foot wide sand filter bench along pond perimeter.

Results in terms of total suspended sediment (TSS) removed and total phosphorus (TP) removed are summarized in the below tables for the four scenarios. Influent loading is modeled based on a NURP-50 gradation. Removal rates listed likely underestimate TSS and TP removal, as the NURP-50 gradation likely overrepresents the mass of slowly settling, finer particles than what would be expected at an industrial park.

Dredging the pond has a minor effect on TSS and TP removal rates; installing filtration benches has a more significant impact. It should be noted that the installation of filtration benches will require reconfiguring the pond's outlet structure.

**Table 1: TSS Removal Rates**

| Scenario   | Watershed Load (lb-TSS/yr) | Load Trapped (lb-TSS/yr) | Removal Efficiency |
|------------|----------------------------|--------------------------|--------------------|
| <b>1</b>   | 15,100                     | 8,600                    | 57%                |
| <b>2</b>   | 15,100                     | 8,900                    | 59%                |
| <b>3</b>   | 15,100                     | 2,800                    | 19%                |
| <b>2+3</b> | 15,100                     | 11,700                   | 77%                |

**Table 2: TP Removal Rates**

| Scenario   | Watershed Load (lb-TP/yr) | Load Trapped (lb-TP/yr) | Removal Efficiency |
|------------|---------------------------|-------------------------|--------------------|
| <b>1</b>   | 50.3                      | 12.1                    | 24%                |
| <b>2</b>   | 50.3                      | 13.1                    | 26%                |
| <b>3</b>   | 50.3                      | 9.8                     | 19%                |
| <b>2+3</b> | 50.3                      | 22.9                    | 46%                |

The next steps are to prepare cost estimates for the various design options, select an alternative and evaluate pond hydraulics to ensure proposed changes do not adversely affect upstream property.

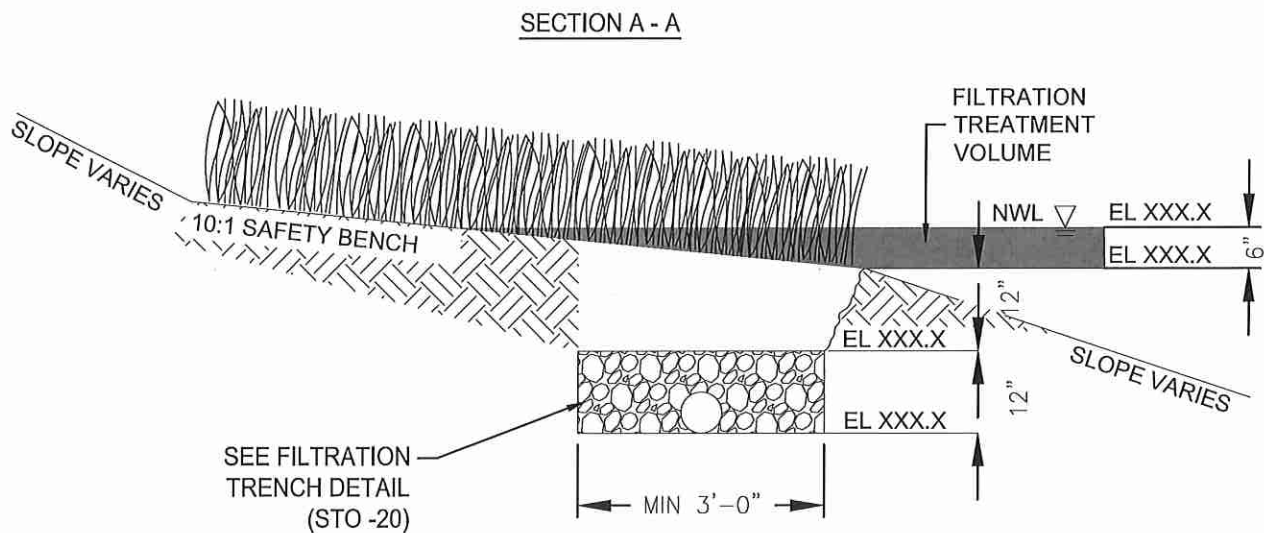
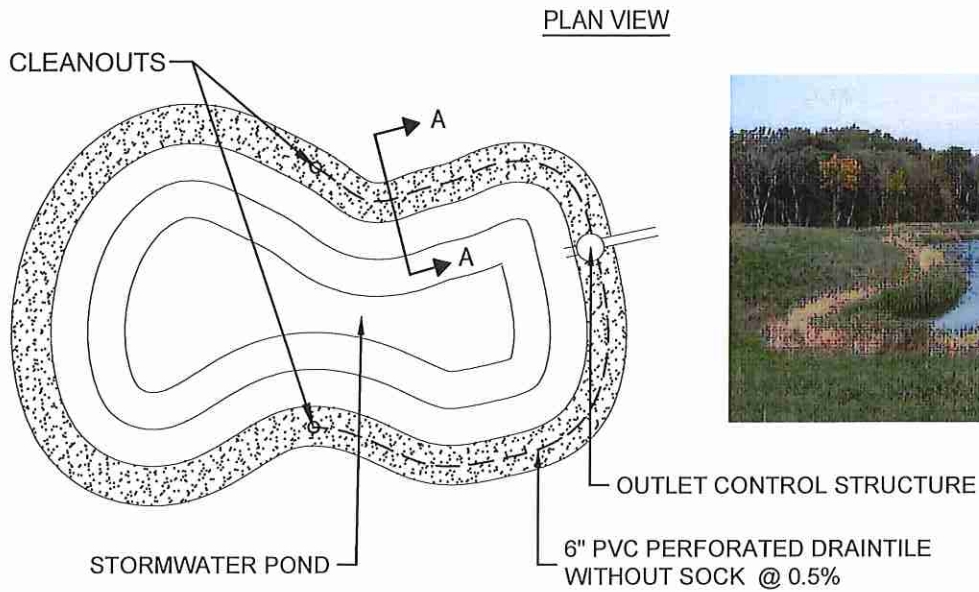


Table 1.  
Downtown Pond Retrofit

April 1, 2019

| Item      | Description                      | Units    | Quantity | Unit Price   | Subtotal      | Maintenance |              | Water Quality |              |
|-----------|----------------------------------|----------|----------|--------------|---------------|-------------|--------------|---------------|--------------|
|           |                                  |          |          |              |               | Quantity    | Subtotal     | Quantity      | Subtotal     |
| 1         | MOBILIZATION & DEMOBILIZATION    | LUMP SUM | 1        | \$ 5,000.00  | \$ 5,000.00   | 0.5         | \$ 2,500.00  | 0.5           | \$ 2,500.00  |
| 2         | TRAFFIC CONTROL                  | LUMP SUM | 1        | \$ 1,500.00  | \$ 1,500.00   | 0.5         | \$ 750.00    | 0.5           | \$ 750.00    |
| 3         | CLEARING AND GRUBBING            | SQ YD    | 900      | \$ 3.00      | \$ 2,700.00   | 900         | \$ 2,700.00  |               | \$ -         |
| 4         | MUCK EXCAVATION (LV)(POND)       | CU YD    | 1,000    | \$ 25.00     | \$ 25,000.00  | 1,000       | \$ 25,000.00 |               | \$ -         |
| 5         | DEWATERING                       | LUMP SUM | 1        | \$ 10,000.00 | \$ 10,000.00  | 0.5         | \$ 5,000.00  | 0.5           | \$ 5,000.00  |
| 6         | REMOVE EXISTING PIPE             | LIN FT   | 60       | \$ 10.00     | \$ 600.00     |             | \$ -         | 60            | \$ 600.00    |
| 7         | INSTALL OUTLET CONTROL STRUCTURE | EACH     | 1        | \$ 5,000.00  | \$ 5,000.00   |             | \$ -         | 1             | \$ 5,000.00  |
| 8         | 24" RCP                          | LIN FT   | 60       | \$ 75.00     | \$ 4,500.00   |             | \$ -         | 60            | \$ 4,500.00  |
| 9         | 24" RCP FES                      | EACH     | 1        | \$ 1,500.00  | \$ 1,500.00   |             | \$ -         | 1             | \$ 1,500.00  |
| 10        | EROSION CONTROL AND RESTORATION  | LUMP SUM | 1        | \$ 7,500.00  | \$ 7,500.00   | 0.5         | \$ 3,750.00  | 0.5           | \$ 3,750.00  |
| 11        | DITCH CLEANOUT                   | LIN FT   | 1,000    | \$ 25.00     | \$ 25,000.00  | 1,000       | \$ 25,000.00 |               | \$ -         |
| 12        | COMMON EXCAVATION (EV)(WQ BENCH) | CU YD    | 70       | \$ 20.00     | \$ 1,400.00   |             | \$ -         | 70            | \$ 1,400.00  |
| 13        | 6" DRAINTILE                     | LIN FT   | 150      | \$ 15.00     | \$ 2,250.00   |             | \$ -         | 150           | \$ 2,250.00  |
| 14        | COARSE AGGREGATE                 | TON      | 50       | \$ 30.00     | \$ 1,500.00   |             | \$ -         | 50            | \$ 1,500.00  |
| 15        | SELECT GRANULAR                  | TON      | 90       | \$ 25.00     | \$ 2,250.00   |             | \$ -         | 90            | \$ 2,250.00  |
| 16        | GEOTEXTILE FABRIC                | SQ YD    | 170      | \$ 3.00      | \$ 510.00     |             | \$ -         | 170           | \$ 510.00    |
| 17        | RIPRAP                           | CU YD    | 85       | \$ 100.00    | \$ 8,500.00   |             | \$ -         | 85            | \$ 8,500.00  |
| 18        | TURF REINFORCEMENT MAT           | SQ YD    | 60       | \$ 20.00     | \$ 1,200.00   | 60          | \$ 1,200.00  |               | \$ -         |
| COMMENTS: |                                  |          |          | TOTAL        | \$ 105,910.00 |             | \$ 65,900.00 | 25%           | \$ 40,010.00 |
|           |                                  |          |          |              |               |             |              |               | \$ 26,477.50 |

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#### CALCULATIONS FOR TILE LENGTH

TO DETERMINE THE AREA(SF) OF TRENCH NEEDED, DIVIDE THE PONDED VOLUME (CF) BY 17 CF/SF. (5,000 CF / 17 CF/SF = 294 SF TRENCH / 3 FT = 98 LF OF TRENCH)



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1500 PIONEER CREEK CENTER 783-479-4200  
MAPLE PLAIN, MN 55359 783-479-4242  
Web Site: www.wenck.com

CLIENT  
**CITY OF CORCORAN**

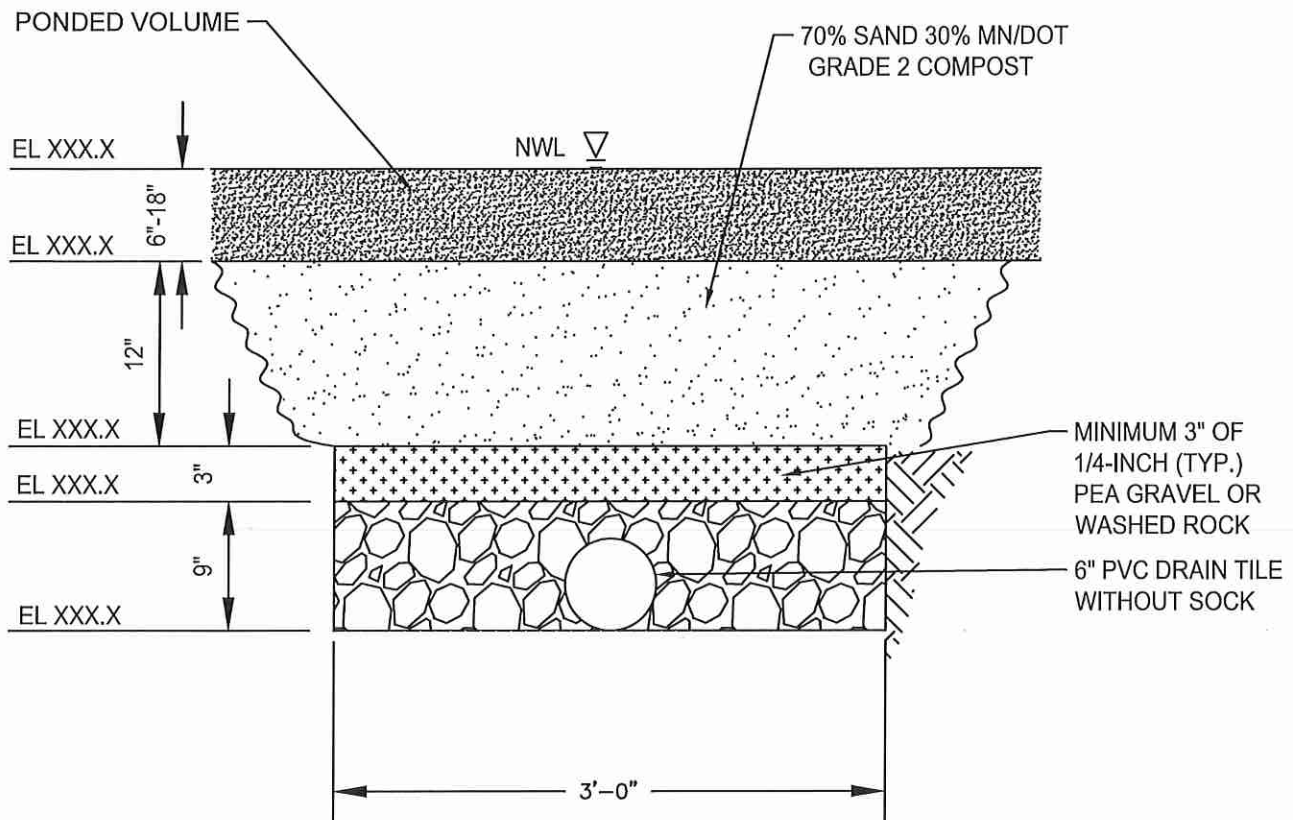


PROJECT STANDARD PLATES

SHEET TITLE  
**TYPICAL  
FILTRATION BENCH**

| REV | DWN | APP | REV DATE | DWN BY | CHK'D | APP'D | DWG DATE | PROJECT NO. | SHEET NO. | REV NO. |
|-----|-----|-----|----------|--------|-------|-------|----------|-------------|-----------|---------|
|     |     |     | FEB 2015 | SKH    | RWS   | RWS   | SCALE    | 2294-00     | STO-19    |         |

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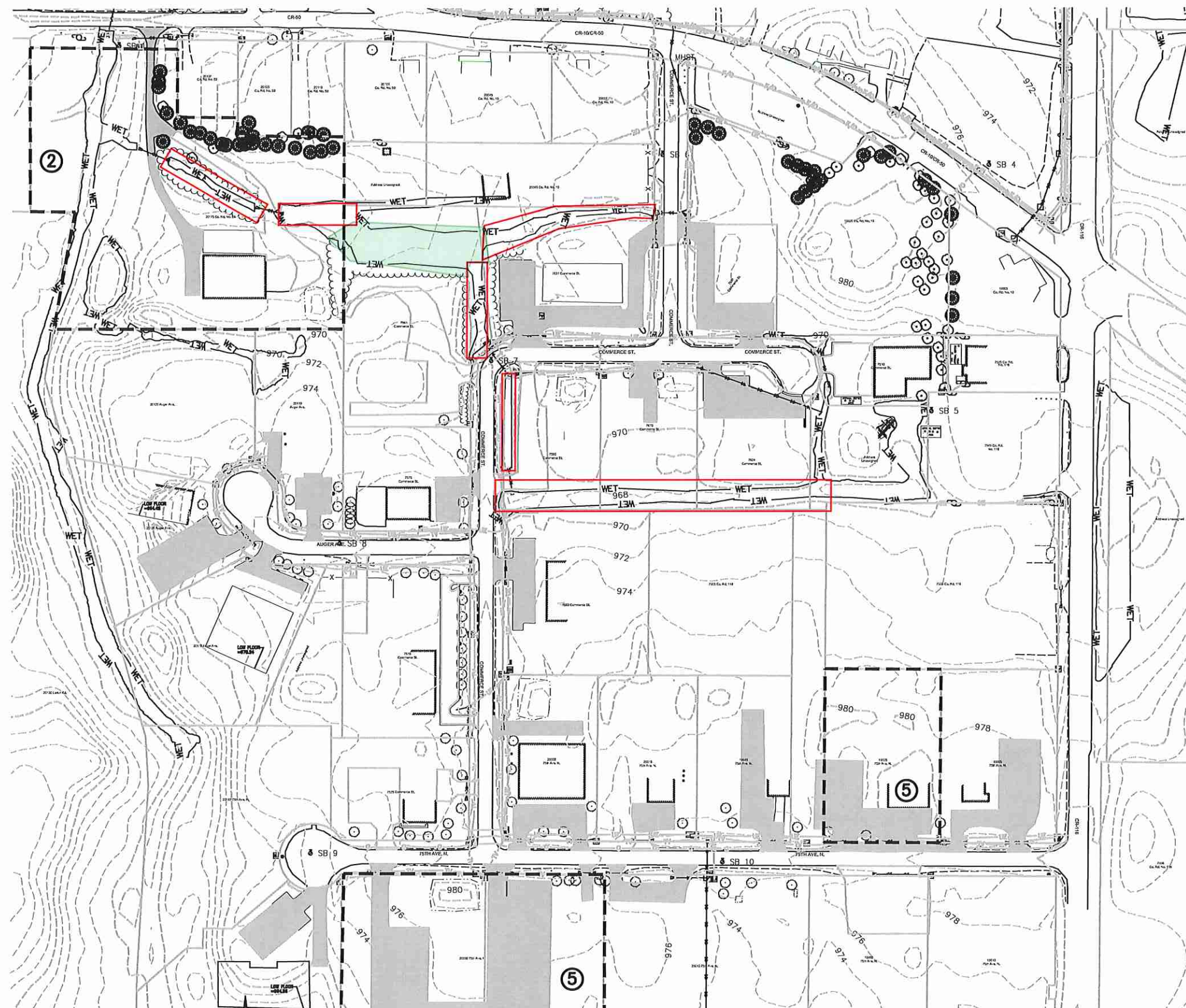


PROJECT STANDARD PLATES

SHEET TITLE  
TYPICAL  
FILTRATION TRENCH

| REV | DWN | APP | REV DATE | DWN BY | CHK'D | APP'D | DWG DATE | PROJECT NO. | SHEET NO. | REV NO. |
|-----|-----|-----|----------|--------|-------|-------|----------|-------------|-----------|---------|
|     |     |     | FEB 2017 | NPW    | RWS   | RWS   | SCALE    | 2294-00     | STO-20    |         |





## PROJECT PHASING CRITERIA:

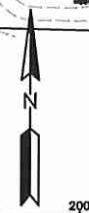
1. THE CONTRACTOR IS RESPONSIBLE TO PREPARE AND SUBMIT A CONSTRUCTION PHASING PLAN TO THE CITY FOR REVIEW. NO WORK CAN BEGIN UNTIL THE CONSTRUCTION PHASING PLAN HAS BEEN APPROVED BY THE CITY.
2. DURING LIFT STATION CONSTRUCTION FOR BASE BID OR TRUNK SEWER INSTALLATION AS PART OF ALTERNATE #1, CONTRACTOR IS RESPONSIBLE TO PROVIDE A 20' SECONDARY GRAVEL ACCESS TO TOTAL CONTROLS PROPERTY LOCATED AT 20175 COUNTY ROAD 50.
3. CONTRACTOR IS REQUIRED TO HAVE ROAD PAVED WITHIN 6 WEEKS OF BEGINNING CONSTRUCTION IN EACH PHASE.
4. INTERSECTION OF COMMERCE ST OR 75TH AVE SHALL REMAIN OPEN AT ALL TIMES. ACCESS TO BE PROVIDED VIA COMMERCE STREET OR 75TH AVENUE AT ALL TIMES.
5. BUSINESSES LOCATED AT 19925 & 20050 75TH AVE N RECEIVE HEAVY TRUCK ACTIVITY DAILY (UP TO 75' TRAILERS). CONTRACTOR IS RESPONSIBLE TO NOTIFY BUSINESS OWNERS AND CITY IF ACCESS IS RESTRICTED. COORDINATE ANY POTENTIAL RESTRICTIONS WITH BUSINESS OWNER AND ENGINEER A MINIMUM OF 48 HOURS PRIOR TO RESTRICTION.  
  
NOTE 5 ABOVE IDENTIFIES SPECIFIC PROPERTY CONCERNS HOWEVER THE NOTE GENERALLY APPLIES TO ALL IMPACTED PROPERTIES.
6. A BID ITEM HAS BEEN PROVIDED FOR TEMPORARY BUSINESS SIGNAGE. SIGN INSTALLATION TO BE PLACED 48 HOURS BEFORE WORK BEGINS IN EACH PHASE. CONTRACTOR IS RESPONSIBLE TO PREPARE AND SUBMIT SIGN LAYOUT FOR CITY APPROVAL.
7. TEMPORARY MAILBOXES TO BE PROVIDED AND LOCATION TO BE COORDINATED BY LOCAL POST OFFICE. CONTRACTOR IS RESPONSIBLE TO NOTIFY PROPERTIES 48 HOURS OF ANY UPCOMING MAIL DELIVERY CHANGES.

## RECORD PLANS

CONTRACTOR: JAMETTI &amp; SONS

DATE: 11/3/17

RECORD DRAWINGS ARE BASED ON INFORMATION OBTAINED THROUGH ON SITE OBSERVATION OF CONSTRUCTION AND FIELD SURVEY DATA COLLECTED BY JEW.



| REV | REVISION DESCRIPTION    | DWN | APP | REV DATE |
|-----|-------------------------|-----|-----|----------|
| E   | RECORD PLANS            | NPW | KCT | 11/03/17 |
| D   | MDH REVISION            | NPW | KCT | 9/24/16  |
| C   | ISSUED FOR CONSTRUCTION | NPW | KCT | 3/28/16  |
| B   | ADDENDUM #1             | NPW | KCT | 01/29/16 |
| A   | ISSUED FOR BID          | NPW | KCT | 01/13/16 |

SEAL  
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: KENTON C. TORVE  
SIGNATURE: *Kenton C. Torve*  
DATE: 01/13/16 LICENSE # 24807

SUB CONSULTANT

PRIME CONSULTANT

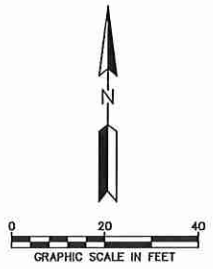
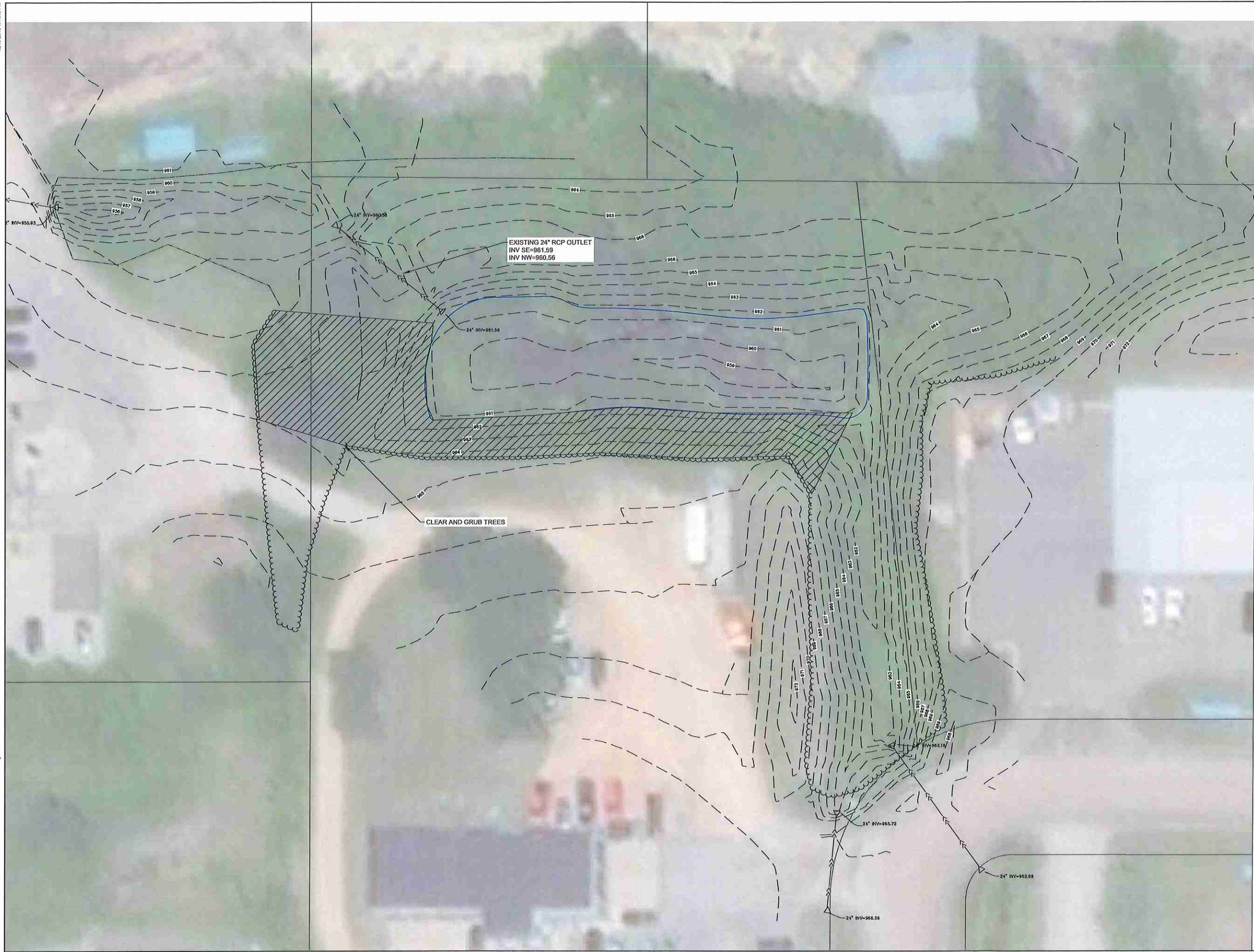


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PROJECT TITLE  
DOWNTOWN CORCORAN  
UTILITY & STREET IMPROVEMENTSCITY OF CORCORAN  
CORCORAN, MINNESOTASHEET TITLE  
STREET PHASING  
ACCESS PLAN

|             |           |         |          |
|-------------|-----------|---------|----------|
| DWN BY      | CHK'D     | APP'D   | DWG DATE |
| NPW         | KBM       | KCT     | JAN 2016 |
| PROJECT NO. | SHEET NO. | SCALE   | AS SHOWN |
| 2294-23     | G-108     |         |          |
|             |           | REV NO. | E        |





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FAX: 763-479-4242  
WWW.WENCK.COM

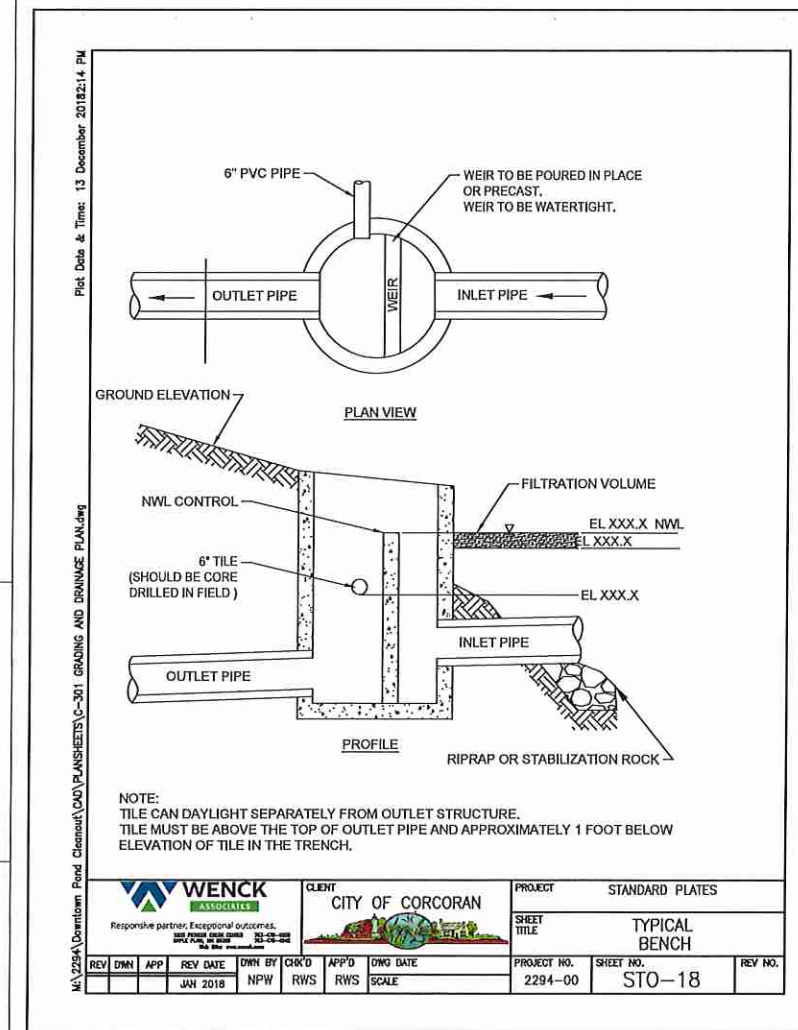
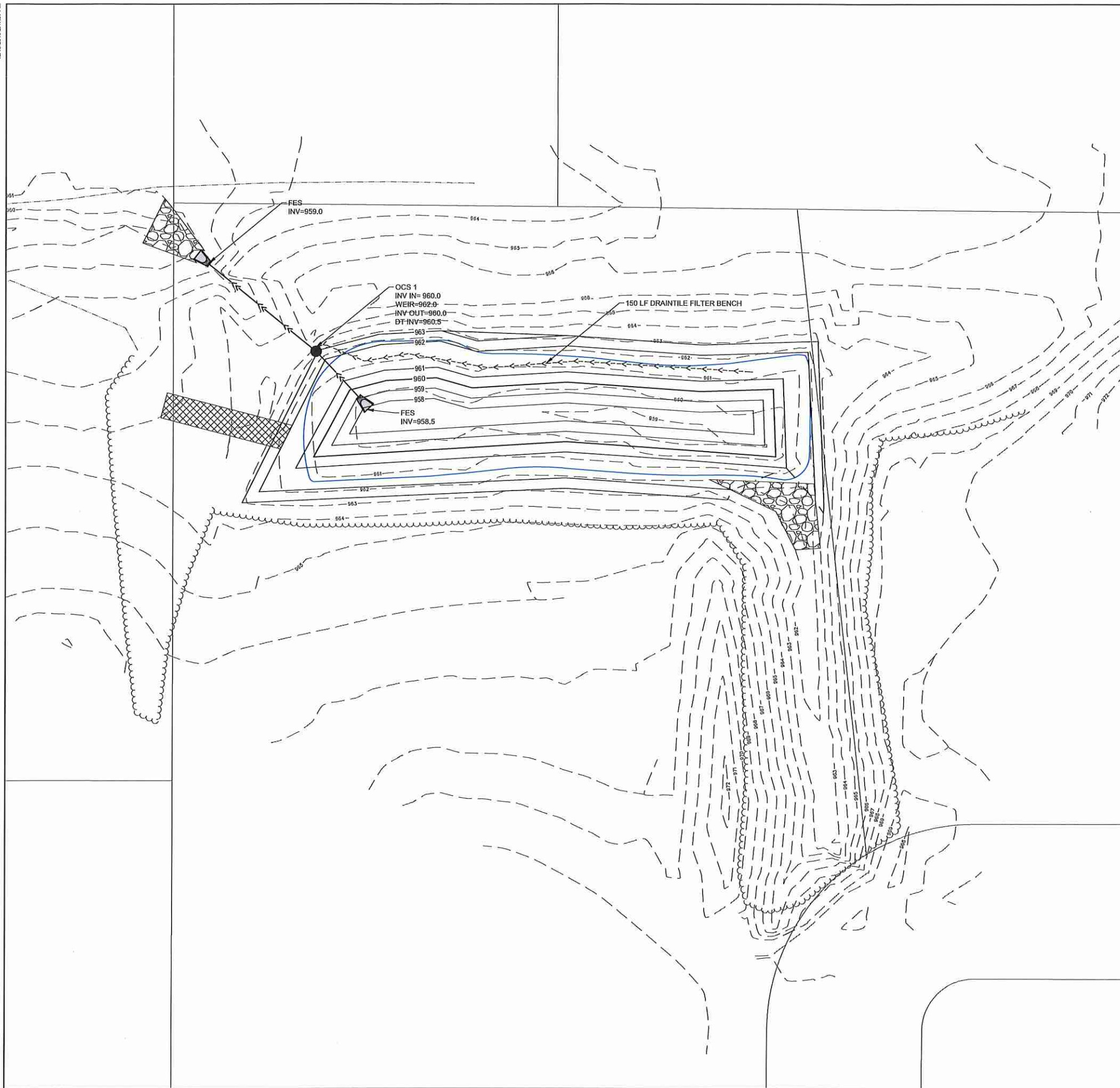
SUB CONSULTANT:

CLIENT:  
CITY OF  
CORCORAN

**CORCORAN DOWNTOWN  
POND CLEANOUT**  
CITY OF CORCORAN  
HENNEPIN COUNTY, MN

[illegible]





SUB CONSULTANT:

**CLIENT:**

CITY OF  
CORCORAN

PROJECT TITLE: CORCORAN DOWNTOWN  
POND CLEANOUT

CITY OF CORCORAN  
HENNEPIN COUNTY, MN

[illegible]

**CERTIFICATION:**  
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSISSIPPI.

LICENSE NO.: \_\_\_\_\_  
DATE: \_\_\_\_\_

|              |           |
|--------------|-----------|
| PROJECT NO.: | PROJECT # |
|--------------|-----------|

|                |                 |                 |
|----------------|-----------------|-----------------|
| DWN BY:<br>JTD | CHK'D BY:<br>MM | APP'D BY:<br>MM |
|----------------|-----------------|-----------------|

|             |      |     |
|-------------|------|-----|
| JIP         | XXX  | XXX |
| ISSUE DATE: | DATE |     |

|            |         |
|------------|---------|
| ISSUE NO.: | ISSUE # |
|------------|---------|

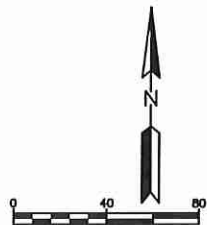
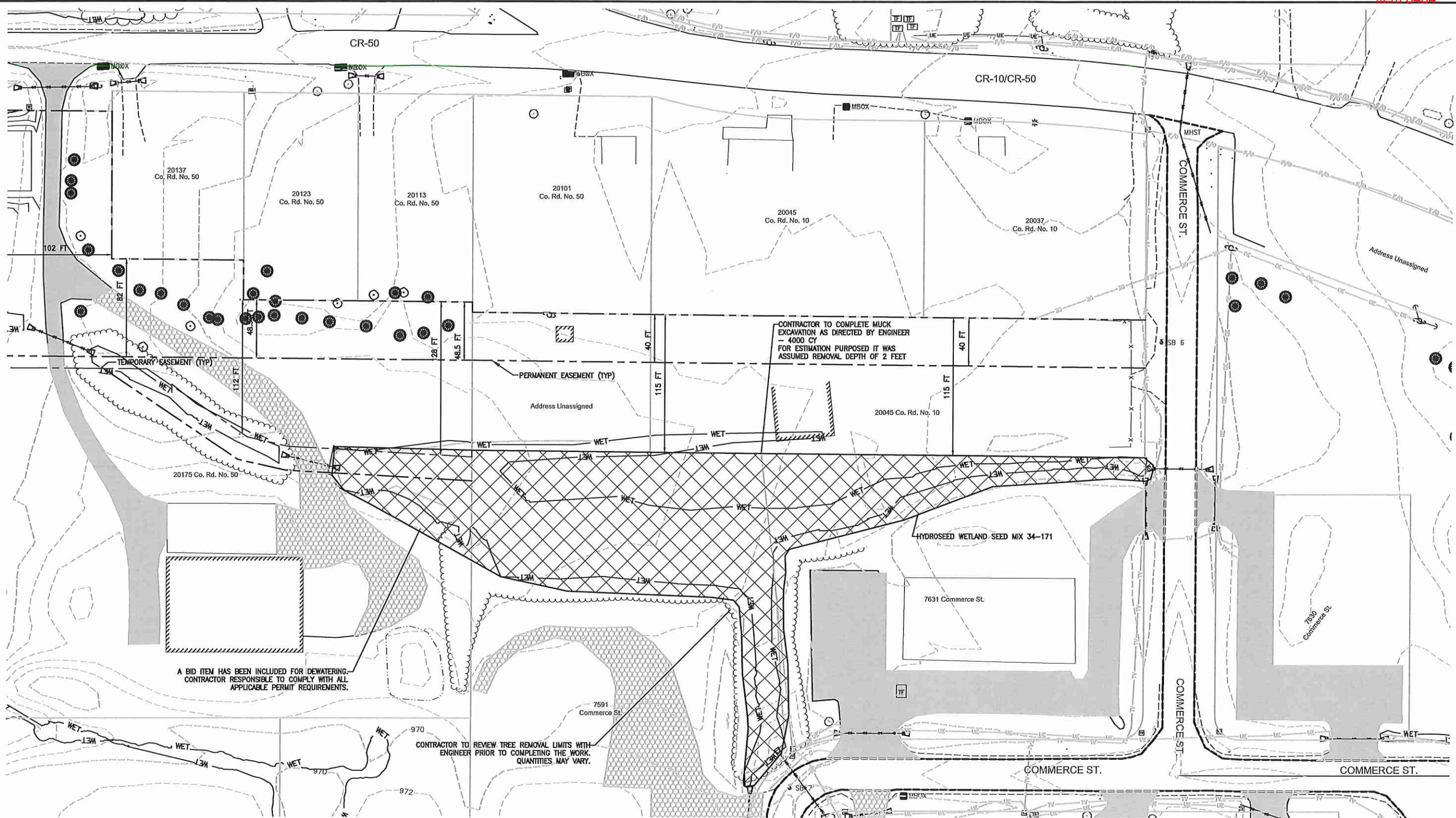
SHEET TITLE:

GRADING AND  
DRAINAGE PLAN

SHEET NO.:

C-301





| REV | ISSUED FOR BID       | NPM | KCT | REV DATE |
|-----|----------------------|-----|-----|----------|
| A   | ISSUED FOR BID       | NPM | KCT | 01/13/16 |
| REV | REVISION DESCRIPTION | OWN | APP | REV DATE |

SEAL  
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  
PRINT NAME KENTON C. TORVE  
SIGNATURE Kenton C. Torve  
DATE 01/13/16 LICENSE # 24807

SUB CONSULTANT

PRIME CONSULTANT  
  
Responsive partner. Exceptional outcomes.

PROJECT TITLE  
DOWNTOWN CORCORAN  
UTILITY & STREET IMPROVEMENTS  
CITY OF CORCORAN  
CORCORAN, MINNESOTA

| SHEET TITLE<br>POND MAINTENANCE<br>ALTERNATE #2 |                    |                   |                      |
|---|--------------------|-------------------|----------------------|
| DWN BY<br>NPW                                   | CHK'D<br>KBM       | APP'D<br>KCT      | DWG DATE<br>JAN 2016 |
| PROJECT NO.<br>2294-23                          | SHEET NO.<br>C-301 | SCALE<br>AS SHOWN | REV NO.<br>A         |

**COOPERATIVE AGREEMENT  
FOR  
2019-06 ELM CREEK STREAM RESTORATION PROJECT PHASE IV**

This Agreement is made as of this \_\_\_\_ day of \_\_\_\_\_, 2019, by and between the Elm Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the "Commission"), and the City of Champlin, a Minnesota municipal corporation (hereinafter the "City").

WITNESSETH:

WHEREAS, the Commission has adopted the Elm Creek Watershed Management Plan as amended on May 8, 2019 (the "Plan"), a watershed management plan within the meaning of Minn. Stat., § 103B.231; and

WHEREAS, the Plan includes a capital improvement program ("CIP") that lists a number of water quality project capital improvements; and

WHEREAS, the water quality projects identified in the CIP include the **Elm Creek Stream Restoration Project Phase IV**, more fully described in Attachment One to this Agreement, which is hereby made a part hereof (the "Project"); and

WHEREAS, the Plan specifies that projects in the CIP will be partially funded by a County tax levy under Minn. Stat., § 103B.251; and

WHEREAS, on September 11, 2019, the Commission adopted a resolution ordering the Project, directing that it be constructed by the City and that the Commission's share of the Project costs be certified to Hennepin County for payment in accordance with Minn. Stat., § 103B.251; and

WHEREAS, it is expected that Hennepin County will levy taxes throughout the watershed for the Project, for collection and settlement in 2020; and

WHEREAS, the City is willing to construct the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS AND AGREEMENTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. The Project will consist of improvements in the City as more fully described in Attachment One.
2. The City will design the Project and prepare plans and specifications for construction of the Project. Plans and specifications are subject to approval by the Commission's consulting engineer and the City of Champlin City Engineer.
3. The City will advertise for bids and award contracts in accordance with the requirements of law. The City will award the contract and supervise and administer the construction of the Project to assure that it is completed in accordance with plans and specifications. The City will



require the contractor to provide all payment and performance bonds required by law. The City will require that the Commission be named as additional insured on all liability policies required by the City of the contractor. The City will require that the contractor defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed.

4. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The Commission will secure payment from the County in accordance with Minn. Stat., § 103B.251 in the amount of one hundred fifty thousand dollars (\$150,000). It is understood that tax settlement from the County is not expected to occur until 2020.

Out-of-pocket costs related to the Project, incurred and paid by the Commission for publication of notices, securing County tax levy, preparation of contracts, review of proposed contract documents and administration of this contract shall be repaid from funds received in the tax settlement from Hennepin County. Amounts received from the County, up to \$150,000, less reimbursement to the Commission of such expenses are available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made on completion of the project and submittal of as-builts. Reimbursement to the City will be made as soon as funds are available provided a request for payment has been received from the City providing such detailed information as may be requested by the Commission to substantiate costs and expenses.

6. Reimbursement to the City will not exceed the amount received from the County, up to \$150,000, for the Project less any amounts retained by the Commission for Commission expenses. All costs of the Project incurred by the City in excess of such reimbursement, including all costs incurred in excess of estimated project costs due to unforeseen conditions or any other cause, shall be borne by the City or secured by the City from other sources.
7. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission.
8. The City will secure all necessary local, state, or federal permits required for the construction of the Project.
9. The project will be constructed on land owned or easements held by the City.
10. The City will have ownership of the associated improvements, and will maintain them in good operating condition in perpetuity or until such time as they are replaced with like improvements.
11. The City will defend, indemnify, protect and hold harmless the Commission and its agents, officers, and employees, from any claims arising out of the design, construction, or maintenance of the Project, including environmental claims. Nothing herein shall be deemed a waiver of the limitations of liability in Minnesota Statutes, Chapter 466.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

ELM CREEK WATERSHED  
MANAGEMENT COMMISSION

By: \_\_\_\_\_  
Its Chair

And by: \_\_\_\_\_  
Its Administrator

CITY OF CHAMPLIN

By: \_\_\_\_\_  
Its Mayor

And by: \_\_\_\_\_  
Its Manager



## ATTACHMENT ONE

## EXHIBIT A

## Elm Creek Watershed Management Commission Capital Improvement Project Submittal

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

|              |  |  |                          |
|--------------|--|--|--------------------------|
| City         | CHAMPLIN   |  |                          |
| Contact Name | TODD TUOMINEN  |  |                          |
| Telephone    | 763-923-7120   |  |                          |
| Email        | ttuominen@ci.champlin.mn.us  |  |                          |
| Address      | 11955 Champlin Drive, Champlin MN 55316  |  |                          |
| Project Name | ELM CREEK STREAM RESTORATION PHASE IV, IMPROVEMENT PROJECT   |  |                          |
|              | 1. Is project in Member's CIP? ( X ) yes ( ) no  |  | Proposed CIP Year = 2019 |
|              | 2. Has a feasibility study or an <b>engineering report</b> (circle one) been done for this project? ( X ) yes ( ) no   |  |                          |
|              |  |  | Amount                   |
|              | Total Estimated Project Cost   |  | \$600,000                |
|              | Estimated Commission Share (up to 25%, not to exceed \$250,000)  |  | \$150,000                |
|              | Other Funding Sources (name them)  |  | \$450,000                |
|              |  |  | \$600,000                |
|              | 3. What is the scope of the project?<br><b>The Elm Creek Stream Restoration Phase IV is located ½ MILE upstream of the Mill Pond. This phase includes 5,000 linear feet of stream bank restoration of Elm Creek which is located up-gradient of the 2012 Elm Creek Stream Stabilization Project.</b>   |  |                          |
|              | 4. What is the purpose of the project? What water resource(s) will be impacted by the project?<br><b>The proposed Elm Creek Stream improvement will restore stream bank and aquatic habitat installation of habitat structures and restoration of stream bank habitat, removal of excess nutrient laden sediments.</b>   |  |                          |
|              | 5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.)<br><b>Elm Creek is impaired water with low dissolved oxygen, restoring the stream banks and providing habitat structure will reduce downstream sedimentation and provide native habitat improvements including root wads, boulder vanes, toewood, boulder clusters and rock riffles with varied substrate to enhance aquatic species habitat including sensitive species such as Blandings Turtle.</b> |  |                          |
|              | 6. How does the project contribute to achieving the goals and programs of the Commission?<br><b>Elm Creek is impaired water with low dissolved oxygen, high TSS and high Total P. The Improvements to the Mill Pond and Elm Creek is part of Champlin's WLA from the Elm Creek TMDL.</b>   |  |                          |
| 0/10         | 7. Does the project result from a regulatory mandate? ( X ) yes ( ) no    How?   |  |                          |
| 0/10/20      | 8. Does the project address one or more TMDL requirements? ( X ) yes ( ) no    Which? <b>TSS, TOTAL P, Increases DO.</b>   |  |                          |
| 0/10/20      | 9. Does the project have an educational component? ( X ) yes ( ) no    Describe. <b>The project will be included in Elm Creek Mill Pond Educational program, which will be coordinated with the Champlin Environmental Resources Commission and area schools.</b>  |  |                          |
| 0/10         | 10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project?<br>( X ) yes ( ) no    Identify the LGUs. <b>City of Champlin</b>  |  |                          |
| 10/20        | 11. Is the project in all the LGUs' CIPs? ( X ) yes ( ) no   |  |                          |
| 1-34         | (For TAC use)  |  |                          |
|              | 12. Does project improve water quality? (0-10)   | 15. Promote groundwater recharge? (0-3)                  |                          |
|              | 13. Prevent or correct erosion? (0-10)   | 16. Protect and enhance fish and wildlife habitat? (0-3) |                          |

**ELM CREEK WATERSHED MANAGEMENT COMMISSION****RESOLUTION NO. 2019-03****ORDERING 2019 IMPROVEMENT PROJECTS, DESIGNATING  
MEMBERS RESPONSIBLE FOR CONSTRUCTION, AND MAKING  
FINDINGS AND DESIGNATING COMMISSION COST-SHARE FUNDING**

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

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

**WHEREAS**, on May 10, 2017, the Commission adopted a Minor Plan amendment that added two projects to the CIP, removed one project from the CIP, and shifted the timing of funding of four projects currently listed on the CIP; and

**WHEREAS**, on May 9, 2018, the Commission adopted a Minor Plan amendment that added eight projects to the CIP and shifted the timing of funding of one project currently listed on the CIP; and

**WHEREAS**, on May 8, 2019, the Commission adopted a Minor Plan amendment that added three projects to the CIP, removed one project from the CIP, and shifted the timing or funding of six projects currently listed on the CIP; and

**WHEREAS**, the Commission’s Cost Share Policy, adopted April 11, 2012, specifies a county tax levy under Minn. Stat. § 103B.251 as a source of the Commission's share of funding for projects proposed in the Commission’s CIP; and

**WHEREAS**, on April 10, 2019, the Commission received Feasibility Studies on Project 2019-01: Rush Creek Main Stem Stream Stabilization Phase 3, Maple Grove; Project 2019-02: Ranchview Wetland Restoration, Maple Grove; Project 2019-03: Agricultural BMPs Cost Share, watershedwide (withdrawn); 2019-04: Hickory Drive Stormwater Improvement, Medina; 2019-05: Downtown Regional Stormwater Pond, Corcoran, and Project 2019-06: Elm Creek Stream Restoration Phase IV, Champlin, (the “Projects”); and

**WHEREAS**, on September 11, 2019, following published and mailed notice in accordance with the Commission’s Joint Powers Agreement and Minnesota Statutes Section 103B.251, the Commission conducted a public hearing on the Projects.

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

1. The Projects will be conducive to the public health and promote the general welfare and is in compliance with Minnesota Statutes Sections 103B.205 to 103B.255 (the “Act”) and with the Commission’s surface water management plan as adopted and amended in accordance with the Act.
2. The cost of the Projects is estimated to be \$5,163,830.

3. The Commission receives, accepts and approves the feasibility reports for the Projects, which Projects are hereby ordered.

4. Twenty-five percent of the final cost of the Projects, but not more than \$427,701, will be paid by the Commission from proceeds received from Hennepin County pursuant to Minnesota Statutes, Section 103B.251, Subd. 6, and the Commission's Joint Powers Agreement. Additional costs will be paid by the respective cities wherein the projects reside, but no costs will be charged to other members of the Commission. The Commission understands that the County may pay such costs with taxes levied in 2019 and paid in 2020. The Administrator is directed to transmit a certified copy of this resolution to Hennepin County prior to October 1, 2019. +

5. The cities wherein the projects reside are designated as the members responsible for contracting for the construction of Projects. Contracts for construction shall be let in accordance with the requirements of law applicable to said cities. The Cooperative Agreements for the Projects between the Commission and the cities of Champlin, Corcoran, Maple Grove, and Medina are approved and the Chair and Administrator are authorized and directed to execute the agreements.

Adopted by the Commissioners of the Elm Creek Watershed Management Commission the eleventh day of September, 2019.

---

Doug Baines, Chair

ATTEST:

(NO SEAL)

---

Judie A. Anderson, Administrator

**STATE OF MINNESOTA  
COUNTY OF HENNEPIN**

I, Judie A. Anderson, do hereby certify that I am the custodian of the minutes of all proceedings had and held by the Board of the Elm Creek Watershed Management Commission, that I have compared the above resolution with the original passed and adopted by the Board of said Commission at a regular meeting thereof held on the eleventh day of September, 2019, at 11:30 a.m., that the above constitutes a true and correct copy thereof, that the same has not been amended or rescinded and is in full force and effect.

IN WITNESS WHEREOF, I have hereunto placed my hand and signature this eleventh day of September, 2019.

(NO SEAL)

---

Judie A. Anderson  
Recording Secretary



# 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 Env. and Energy  
 701 Fourth Ave S Suite 700  
 Minneapolis, MN 55415-1600  
 PH: 612.348.7338  
 FAX: 612.348.8532  
 email: James.Kujawa@co.hennepin.mn.us

September 13, 2019

**DRAFT**

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

via email

Re: Elm Creek Watershed Management Commission  
 2019 Tax Levy for Collection in 2020

Dear Ms. Galles:

On September 11, 2019, the Elm Creek Watershed Management Commission adopted Resolution No. 2019-03, certifying for payment by Hennepin County of the Commission's share of the cost of five projects. The projects are named below and described in Resolution No. 2019-03, certified copy attached.

|                        |  |
|------------------------|--|
| <u>Project 2019-01</u> | Rush Creek Main Stem Stream Stabilization Phase 3  |
| Location:              | East of I-94, west of Fernbrook Lane, Maple Grove  |
| Project Description:   | Stabilize and restore approximately 11,000 feet of Rush Creek  |
| Proposed Levy:         | \$26,513   |
| <u>Project 2019-02</u> | Ranchview Wetland Restoration  |
| Location:              | north of Highway 610 and east of I-94, Maple Grove   |
| Project Description:   | Restore 70-acre wetland , improving wildlife habitat and flood storage functions.  |
| Proposed Levy:         | \$132,563  |
| <u>Project 2019-03</u> | WITHDRAWN  |
| <u>Project 2019-04</u> | Hickory Drive Stormwater Improvement   |
| Location:              | 3600 Hickory Drive, northeast of the Hickory Drive cul-de-sac, north of Hamel Road in Medina   |
| Project Description:   | Install stormwater pond for 8.3-acre drainage area, stabilize 300 LF of gully erosion, install curb and storm sewer to capture and direct stormwater to improvements |
| Proposed Levy:         | \$81,471   |
| <u>Project 2019-05</u> | Downtown Regional Stormwater Pond  |
| Location:              | Downtown Corcoran.   |
| Project Description:   | Clean out regional stormwater pond, retrofit with filtration for enhanced water quality treatment  |
| Proposed Levy:         | \$28,079 (cost adjusted from previous transmittal)   |

Karen Galles, Hennepin County  
September 13, 2019  
Page 2

|                        |   |
|------------------------|---|
| <u>Project 2019-06</u> | Elm Creek Stream Restoration Phase IV                       |
| Location:              | Approximately 2600 feet upstream of the Mill Pond, Champlin |
| Project Description    | Restore and protect 5,000 linear feet of Elm Creek          |
| Proposed Levy:         | \$159,075   |

The Commission's share of the cost of the five projects is \$427,701. This letter and the attached resolution will serve as certification to the County for payment of this cost in accordance with Minnesota Statutes, Section 103B.251, Subd. 4. The Commission understands that payment will be made in 2020 from taxes to be levied in 2019.

Thank you for your cooperation in this matter.

Very truly yours,



Judie A. Anderson  
Administrator  
JAA:tim  
Encls: Resolution 2018-03

Cc w/encl via email

I

Bret Heitkamp, City of Champlin  
Todd Tuominen, City of Champlin  
Brad Martens, City of Corcoran  
Kevin Mattson, City of Corcoran  
Ken Ashfeld, City of Maple Grove  
Derek Asche, City of Maple Grove  
Scott Johnson, City of Medina  
Dusty Finke, City of Medina  
James Kujawa, HCEE  
Project file

Z:\Elm Creek\CIPs\2019\L\_Certifying levy 2019.doc

# elm creek

## Watershed Management Commission

ADMINISTRATIVE OFFICE  
3235 Fernbrook Lane  
Plymouth, MN 55447  
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Environment and Energy Dept  
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Minneapolis, MN 55415-1600  
PH: 612.348-7338 • FAX: 612.348.8532  
Email: James.Kujawa@hennepin.us

### STAFF REPORT

September 4, 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. *(Note; also see Project 2019-023 99th Avenue Apartments. That project is part of this PUD and will have the same requirements prior to approval.) No new information on the Hy-Vee site plan 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

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*

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 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 was held on August 13 to discuss the plan. TEP findings are included in this month's packet.*

**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. *This item will be removed from the agenda until it is renewed by the City or applicant.*

**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. 2018-046 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

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*



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.

**i. 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 was placed on hold by the applicant. *In an email dated Sept. 4, 2019, the applicant mentioned that construction is scheduled to start May 1, 2020 and they will start revising the plans per Commission comments in the next few weeks.*

**j. 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. As of this month the applicant has recorded the D&U easement and agreements over the underground chamber system. We are awaiting the actual recorded documents and the information on the infiltration on the system.*

**k. 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 reviewed this site for compliance to Rules D, E and F at their meeting on July 10, 2019 and approve the project pending DNR and WCA permitting. *Based on conversations in August and September with the consultant in charge of this project, the areas outside of the DNR and WCA permitting might proceed yet this year and the other areas be delayed until permits and conditions allow.*

**l. 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 triggered the Commissions review for Rules D, and E. *This item was approved by the Commission at their August 2019 meeting, contingent upon O & M plan requirements for the stormwater pond and irrigation system. It will be moved to the final recordings/documentation section of the Staff Report.*

**m. 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. 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 triggered the Commission's standards on Rules D, E, and I. *The Commission approved site plans per Staff's recommendations dated August 6, 2019 which were contingent upon an Operation and Maintenance plan agreement being approved by the City and the Commission and recorded on the property title. This item will be moved to the final recordings/documentation section of the Staff Report.*

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RULE I - BUFFERS

*Italics indicates new information*

*indicates enclosure*

**n 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. In their findings dated September 4, 2019 *Staff recommends approval of the project contingent upon; 1) A City and Commission approved stormwater system operation and maintenance plan being recorded on the property title, and 2) Restrictive covenants outlining the buffer installation, management, and performance standards being received and recorded on the property title. The covenants may allow a signage structure per the location and dimensions (4'x10') provided for on the site plan.*

**o. 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 is being reviewed for compliance to Rules D, E, F, and I. *Updated plans were received on September 3, 2019 and had not been reviewed at the time of this update. If available, a review and recommendation will be provided to the Commission at their meeting.*

**p. 2019-025 Dayton Parkway Interchange, Dayton.** *The City of Dayton is proposing to construct Dayton Parkway, which will connect CSAH 81 to CSAH 101 on the east and west sides, respectively, of I-94. The project will also include a full access interchange with I-94. The project will disturb approximately 60 acres and will result in an increase of impervious area by 11.4 acres. The project is being reviewed for compliance with Rules D, E, F, G, and I. The project proposes the use of several filtration basins (with sediment forebays), wet ponds, and a filtration swale to meet the Commission's requirements for stormwater management. Construction is scheduled to begin in 2020 and will last for two construction seasons. 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.

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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. 2018-038 Vincent Woods, Rogers.** This 19 acre parcel is proposed for 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 received revised information and found the plans to be in conformance with the minor revisions requested. Final approval was provided conditioned on recordation of the final maintenance agreement in a form acceptable to the Commission and receipt of clarifying language regarding the wetland buffers as shown on the plans.*

**as. 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.*

**at. 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 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.

**au. 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.

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### **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 met with DNR staff on August 9, 2019 to provide them with the materials Jason Swenson has compiled to date. 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.

### **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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**CHAMPLIN • CORCORAN • DAYTON • MAPLE GROVE • MEDINA • PLYMOUTH • ROGERS**

# elm creek

## Watershed Management Commission

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### **99<sup>th</sup> 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 99<sup>th</sup> Avenue Apartment site plans trigger the Commissions review for Rules D (stormwater management), Rule E (erosion control) and Rule I (wetland buffers).

**Applicant:** Enclave Development, 1 2<sup>nd</sup> Street N., Suite 102, Fargo ND, 58102. Phone: 701-212-8110. Email: [brian@modedevgroup.com](mailto:brian@modedevgroup.com)

**Agent/Engineer:** Westwood Professional Services, Attention Brad Wilkening, 3710 12<sup>th</sup> St. N., Suite 2016, St. Cloud, MN 56303. Phone: 320-229-2329.  
Email: [brad.wilkening@westwoodps.com](mailto: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) 99<sup>th</sup> Avenue N. Apartments Preliminary Plans for Plat, Site, Grading, Utilities and Streets by Westwood dated August 16, 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, Site Plan
  - g. Sheet C302, Wetland Buffer Plan
  - h. Sheet C400, Grading Plan
  - i. Sheet C500, Erosion Control Plan
  - j. Sheets C600 & C601, Sanitary, Watermain & Storm Sewer Plans
  - k. Sheets C900 & C901, Details
  - l. Sheets L100 & L101, Landscaping Plan and Details
  - m. Sheets P100 & P101, Photometric Plans and Specs
- 6) The Grove 11<sup>th</sup> Addition, Preliminary Plat, 2 of 2 sheets by Westwood Professional Services.

**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 via pipe around the north side of the development.
  - 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 an iron enhanced filter (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             |  |                              |                                     |                                   |
|--|--|------------------------------|-------------------------------------|-----------------------------------|
| <b>Condition</b><br>20.4 acres<br>12.25 acres new impervious           | <b>TP Load</b><br>(lbs./yr) <sup>1</sup> | <b>TSS Load</b><br>(lbs./yr) | <b>Filtered Volume</b><br>(ac.-ft.) | <b>Annual Volume</b><br>(ac.-ft.) |
| Pre-development (baseline) Load  | 10.39                                    | 285                          | N/A                                 | <b>11.69*</b>                     |
| Post-development Without Mitigation                                    | 67.69                                    | 8,287                        | 1.12                                |                                   |
| Post-development With Mitigation                                       | 7.79                                     | 55                           | 1.21                                | <b>25.69*</b>                     |
| Net Change (“baseline” compared to “post-development with mitigation”) | <b>-2.6</b>                              | <b>-230</b>                  | <b>-0.09</b>                        | <b>+14.0*</b>                     |

\* 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, specific conditions were set for buffer approval. These conditions are 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 will be seeded with MnDOT seed mix 35-241 Mesic Prairie General.
  - A buffer management plan is provided on the plan set.
  - All buffers are placed under easements.
  - Restrictive covenants outlining the Buffer Installation, Management, and Performance Standards, and must be recorded with the title.
  - All buffer boundary monuments are provided for on the plan sheets.
  - Plan shows an “Interstate Sign” within the buffer on the northeast corner of the site. This will be an allowed structure within the buffers within the confines of the dimensions (4’x10’) shown on the site plans.
- 5) Erosion and Sediment Control (Rule E) Site plans conform to the Commission’s E&SC standards.



**Recommendation:** Approval contingent upon;

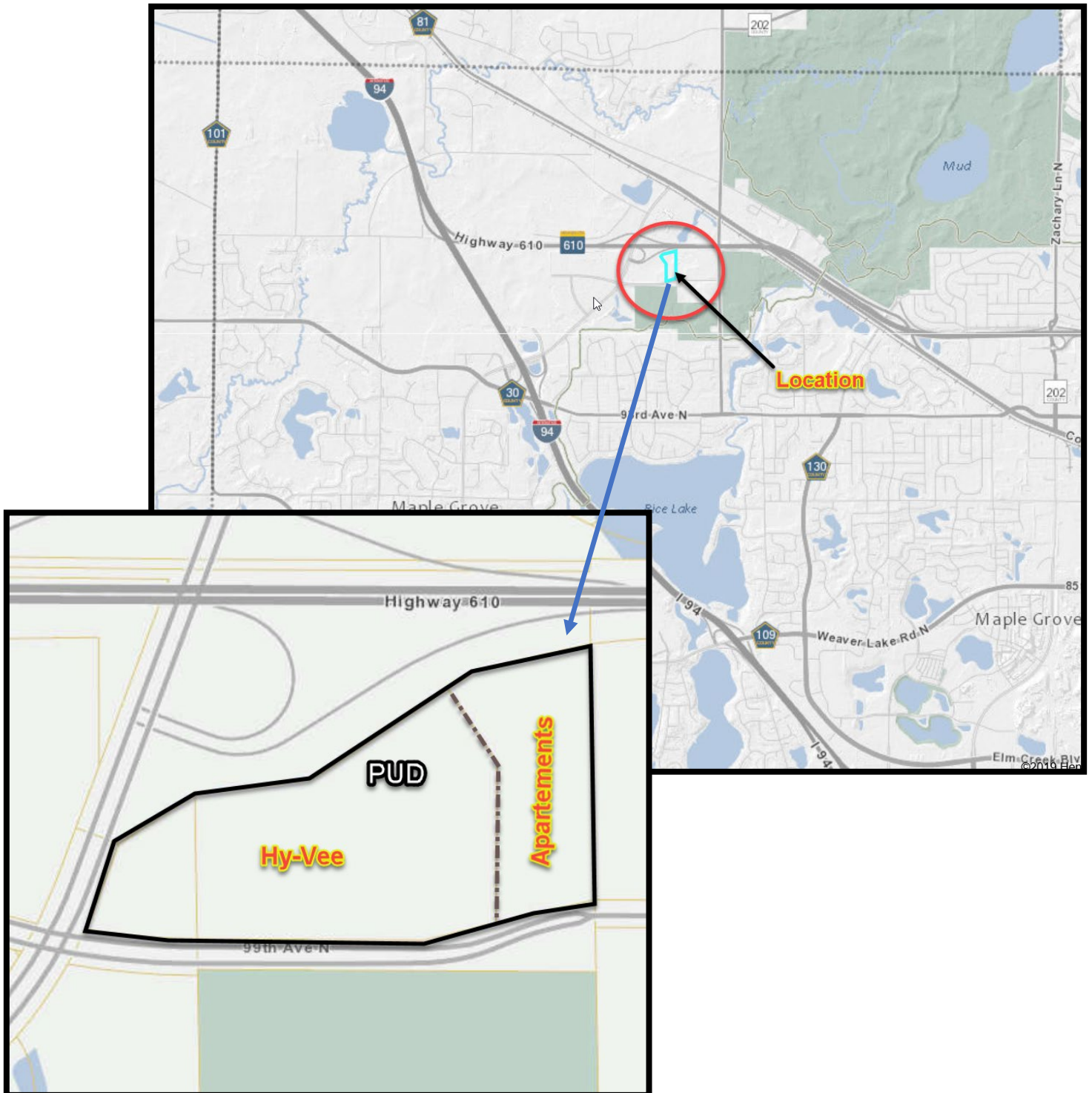
- 1) A City and Watershed approved stormwater system operation and maintenance plan is recorded on the property title.
- 2) Restrictive covenants outlining the buffer installation, management, and performance standards, and must be recorded on the property title. The covenants may allow a signage structure per the location and dimensions (4'x10') provided for on the site plan.

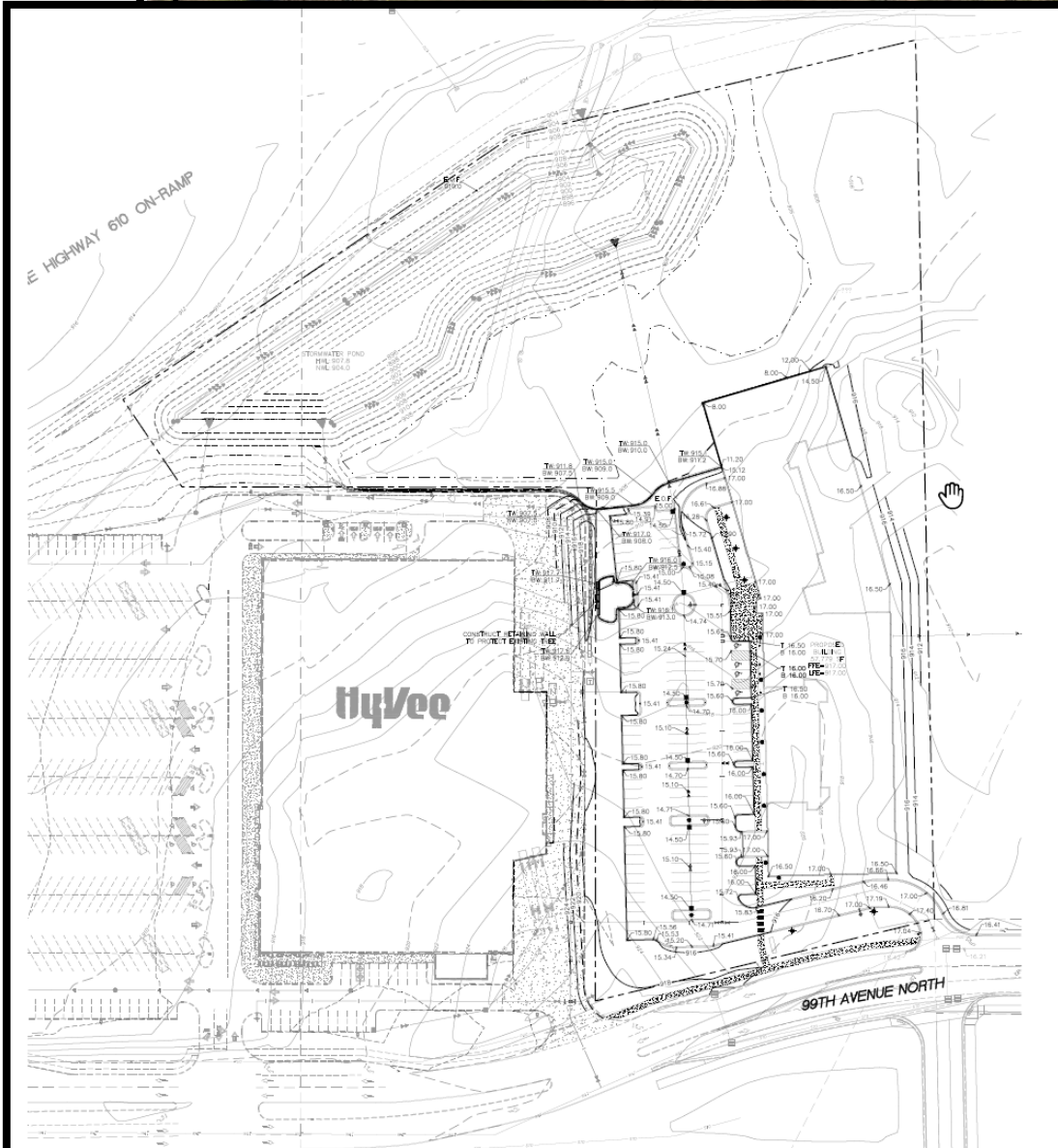
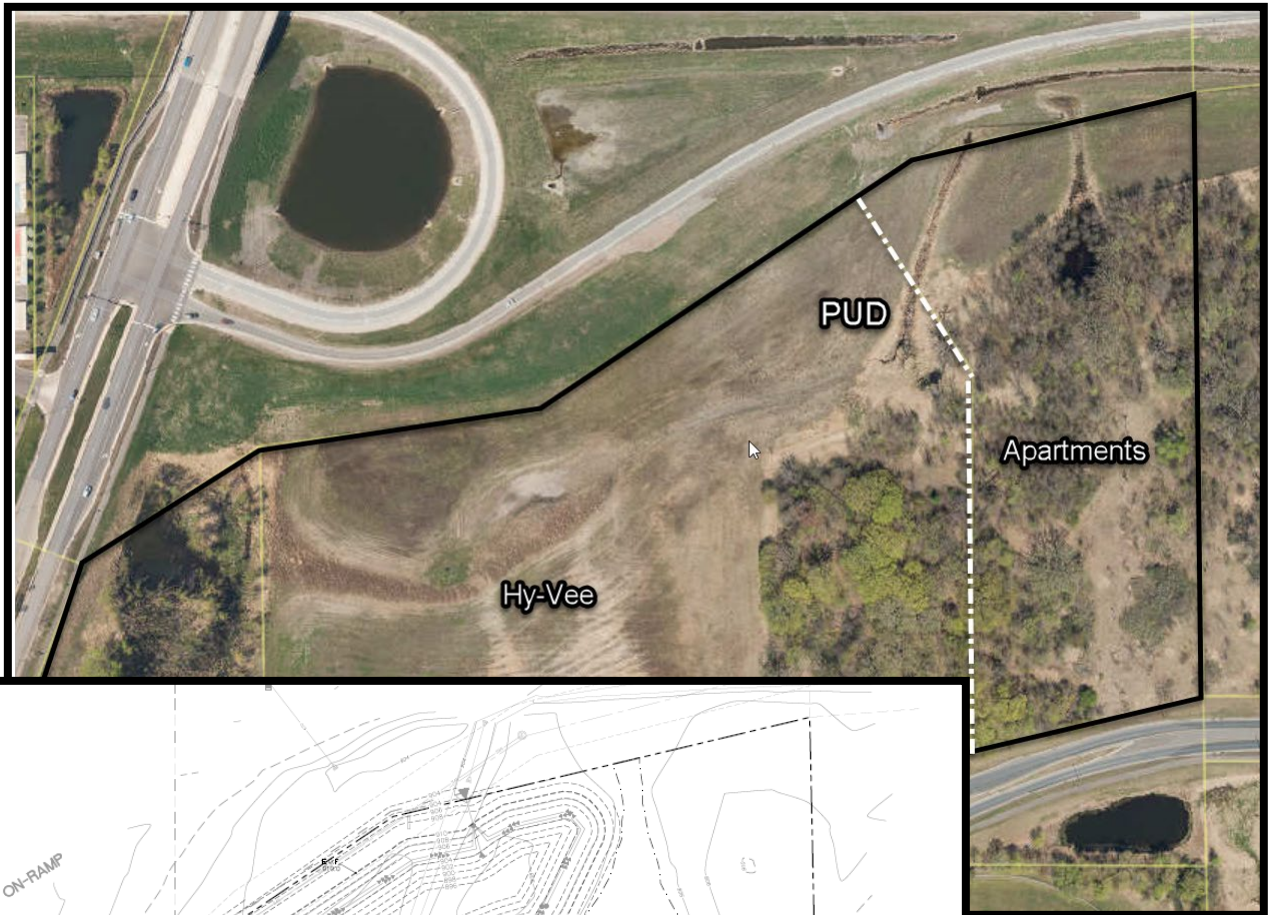
Hennepin County  
Department of Environment and Energy  
Advisor to the Commission



September 4, 2019  
Date

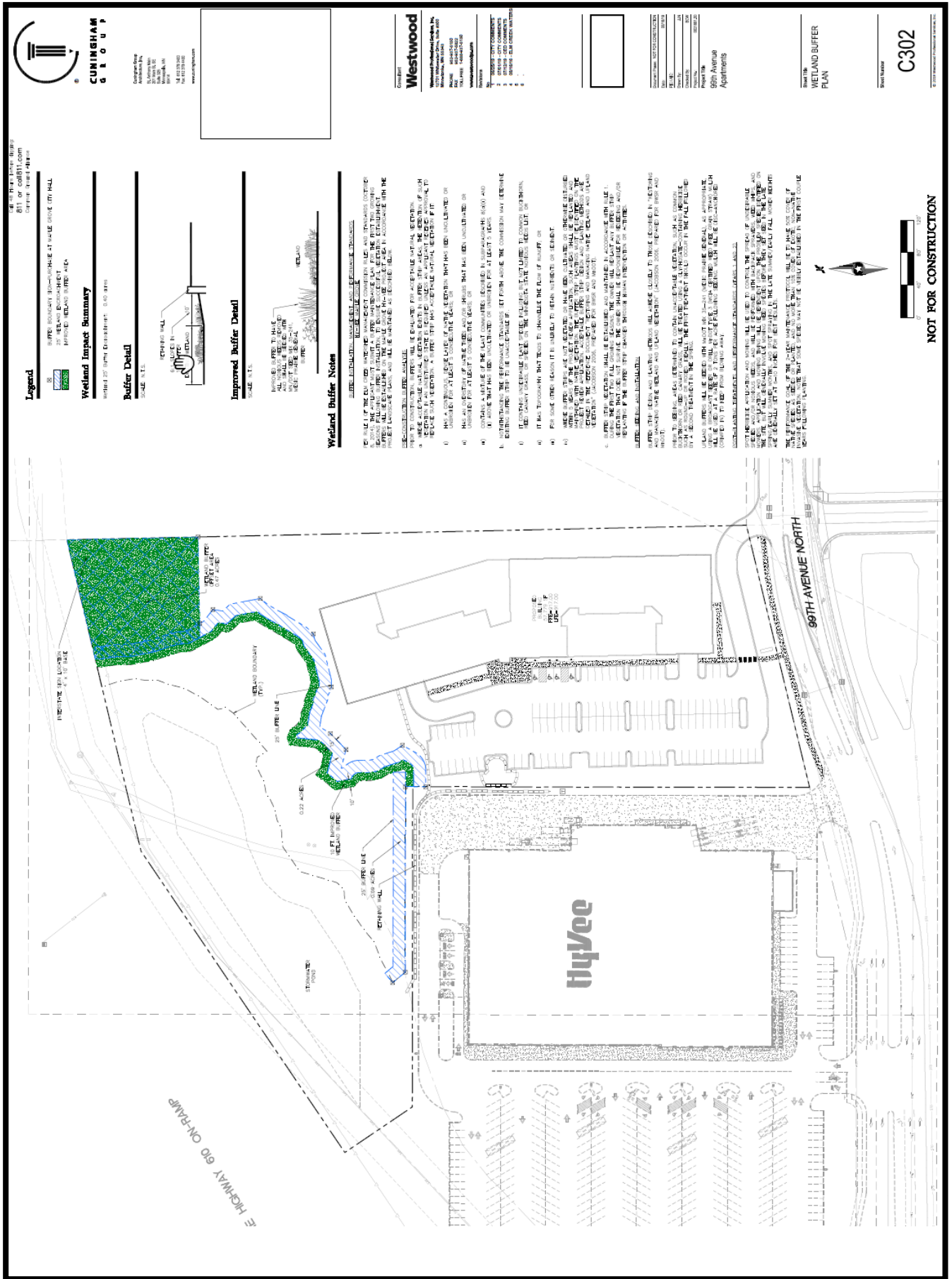
99<sup>th</sup> Avenue Apartments, Maple Grove  
Project 2019-023  
September 4, 2019







## Buffer Plan







# TEP Findings Summary

**To:** Ernie Mayers  
Ben Hodapp, Anderson Engineering

**From:** Wes Boll, Wenck Associates (City of Corcoran WCA Agent)  
Kevin Mattson, City of Corcoran Public Works Director

**Copy:** James Kujawa, Elm Creek Watershed Management Commission  
Ben Carlson, MN BWSR  
Stacy Lijewski (Hennepin County SWCD)  
Jason Spiegel (MN DNR)  
Jason Swenson (Hennepin County/ECWMC)

**Date:** 8/23/2019

**Subject:** City of Corcoran – Ernie Mayers Wetland Replacement Plan Application  
August 13, 2019 Technical Evaluation Panel (TEP) Meeting Findings

**Meeting Date:** August 13, 2019

**Attendees:** Ben Carlson (MN BWSR)  
Stacey Lijewski (Hennepin County SWCD)  
James Kujawa (ECWMC)  
Kevin Mattson (City of Corcoran)  
Wes Boll (Wenck-City of Corcoran WCA Agent)  
Ben Hodapp (Anderson Engineering)  
Katie Ring (Anderson Engineering)  
Ernie Mayers (Applicant)

## **Background:**

On August 13, 2019, the WCA TEP for the City of Corcoran met at the Corcoran City Hall to review and discuss the Addendum to the Ernie Mayers Wetland Replacement Plan Application that was received by the City of Corcoran on July 19, 2019. The Addendum was submitted in response to TEP comments on the original Application that was submitted on January 29, 2019.

The Wetland Replacement Plan Application was submitted in response to the WCA Restoration Order that was issued on August 8, 2018 on the following properties Ernie Mayers operates in Corcoran 1) 2811923410009, 2) 2811923130002, 3) 2711923220002 4) 2711923230002 5) 2811923220002.

The timeline of the WCA activities for this site to date is summarized below:

- A cease and desist order (F890599734501) was issued to Mr. Mayers in December 2017.



- A WCA Restoration Order was issued to Mr. Mayers on August 8, 2018. An extension to the restoration order was issued to November 1, 2018.
- An appeal to the MN Board of Water and Soil Resources was received October 31, 2018. The appeal has been placed in abeyance by BWSR to April 1, 2019.
- An Application for a no-loss/exemption determination was received by the Elm Creek Watershed Management Commission on October 31, 2018. The Commission determined the application to be incomplete and has not reviewed said application.
- A Wetland Replacement Plan Application was received by the Elm Creek Watershed Management Commission on January 29, 2019. The application was considered complete and noticed per MN WCA requirements on January 31, 2019.
- A TEP Meeting was held on February 28, 2019 to discuss the Application. Comments from the TEP meeting were distributed to the Applicant on March 21, 2019.
- The Applicant submitted an Addendum to the Application on July 19, 2019.
- The 60-day WCA decision period was most recently extended to 9/22/2019. BWSR most recently extended the stay of the Restoration Order until the City of Corcoran makes a decision on the Application.

**Meeting Summary and TEP Findings:**

The August 13, 2019 TEP meeting was requested by the City of Corcoran to review and discuss the Addendum to the Ernie Mayers Wetland Replacement Plan Application. The Restoration Order identified impact areas as shown in Figure 1 below. Note that the actions proposed by the Application to address Areas 1a, 1b, and 2 were accepted by the TEP. The Addendum addresses the TEP comments and proposes actions in Areas 3a, 3b, and 4 to resolve the Restoration Order. The actions proposed in the Addendum for Areas 3a, 3b, and 4 are described below.

**Figure 1-Restoration Order Subject Areas**



### **Area 3 (3a and 3b)**

The Restoration Order suggested that the ditch in Area 3 be restored to preconstruction conditions. The Applicant requested in the Wetland Replacement Plan that restoration of this area be addressed in a future application package to allow for additional time to further investigate the historic ditch extent and conditions.

Additional investigation was conducted on the site, and the Applicant provided additional information in the Addendum. Specifically, the Applicant provided hillshade data and aerial photographs to attempt to demonstrate that a linear ditch feature was evident in Area 3a historically. The Applicant also provided a surveyed profile and cross-sections of the existing ditch bottom, including culvert inverts at crossings (See attached Figure C1). The surveyed ditch profile and cross sections indicate that the existing ditch bottom ranges in elevation from approximately 958 to 960 feet, with the elevation of the adjacent wetland being approximately 962 feet.

The Applicant contends that the elevation of the culvert invert near cross-section I should be used to set the grade of the restored ditch. The Applicant also contends that the culvert has been in its existing condition (invert elevation) for decades.

The Applicant proposes to install 460 feet of 16" HDPE pipe from the point at which the drain tile from Restoration Area #4 daylights to the ditch north to the power pole located at station 1205 (Cross-Section H) (See Figure C1). According to the Applicant's plan, the pipe would maintain a flat grade with a discharge invert of 959.28 feet (matching the invert of

the culvert at cross-section I). North of this point, the open ditch would be regraded to maintain a flat grade (959.28 feet) to the intersection with County Ditch #3.

***TEP Findings:***

*The TEP does not agree with the proposed action for the restoration in Area 3. The TEP agrees that the information provided seems to indicate that a slightly depressional linear feature may have been present historically, but there is no evidence that demonstrates that a ditch was present with dimensions (width & depth) similar to the existing conditions in Area 3.*

*Review of information and the elevation points from the LIDAR DEM indicates that elevations in this area were very similar or only slightly lower than the surrounding wetland area. The TEP does not agree that the culvert at the crossing at cross-section I is representative of the historic grade of the ditch. The TEP came to an agreement that the elevation of 961.75 feet could be assumed for the historic elevation in the area of the existing ditch south of cross-section I.*

*The TEP agrees that the replacement of the open ditch with 460' of solid HDPE pipe would not impact wetland as long as the pipe is placed at an elevation no lower than 961.75 feet.*

*The TEP does not agree with the proposed plan of grading the ditch north of the proposed pipe outlet to 959.28 feet. The TEP would allow the grade of the bottom of that section of ditch to be no lower than 961 feet in elevation, which accounts for the acknowledgement of a shallow ditch being present historically. The TEP requests that ditch plugs with the appropriate runout elevations be installed in two locations along the ditch: 1) just upstream of the junction of County Ditch 3 with a runout elevation no lower than 961 ft, and 2) at power pole #4 (near cross-section H on Figure C1) with a runout elevation no lower than 961.75 ft. The ditch plugs must be constructed with good structural soils, compacted by the routing and hauling of heavy equipment.*

*The TEP recommends that the organic soil material stockpiled next to the ditch in the north section (from approximate station 2+50 to the junction with County Ditch 3) be pushed back into the ditch to the required elevation. Note that the ditch plug at location 1 (as identified above) may not be necessary if the stockpiled material is returned to the ditch to the appropriate elevation.*

**Area 4**

The Applicant provided a plan in the Addendum to replace the perforated drain tile in Area 4 with non-perforated tile, as agreed upon by the TEP in previous correspondence. The plan also includes a proposed surface inlet and constructed collection ditch to capture water from the Kalk Road underdrains and excess water from the watershed to the east

***TEP Findings:***

*While the TEP originally agreed with the proposed plan for restoration of impacts in Area 4, the TEP does not agree that the specific plan that was submitted for tile removal, replacement, and inlet installation avoids wetland impacts. Although elevations were not included in the plan for the tile inlet and tile bottom, it appears that the proposed surface inlet would be below the wetland boundary elevation, and*





*the collection ditch would potentially result in the collection of runoff from a portion of the watershed outside of the direct runoff from Kalk Road.*

*The TEP requests that the perforated tile be disabled by breaking the tile and removing sections of the tile as needed to remove the drainage effects of the tile. The installation of a non-perforated tile line would be allowed if the inlet is above the wetland boundary and the size of the tile is justified based on the volume of water that would need to be conveyed from the Kalk Road underdrains.*

*The TEP also requests that if the Applicant wants to proceed with the proposed construction of a collection ditch and inlet adjacent to Kalk Road, the matter should be addressed with a separate WCA no-loss application as it is beyond the scope of the Restoration Order.*

### **TEP Recommendations**

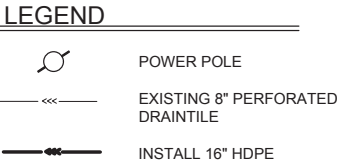
#### **Area 3**

***The TEP requests that the Applicant submit a revised Addendum documenting a ditch restoration plan that meets the requirements outlined above. The plan should include the proposed profile of the ditch grade and details on the construction of ditch blocks and tile installation.***

#### **Area 4**

***The TEP requests that the Applicant submit a revised Addendum with a plan for tile removal that meets the requirements outlined above.***

***The TEP already has sufficient information to approve the proposed work in Areas 1 and 2. It is anticipated that a decision will be made approving the Wetland Replacement Plan for Areas 3a, 3b, and 4 if a revised Addendum is submitted that meets the requirements summarized above.***



#### REVISION LOG

[illegible]

## PRELIMINARY PLANS

JULY 15, 2019

|           |        |             |
|-----------|--------|-------------|
| DESIGNED: | DRAWN: | CHECKED BY: |
|-----------|--------|-------------|

DRAWING TITLE

## EXISTING CONDITIONS

DRAWING NO.

C1

PLOTTED:

|           |       |
|-----------|-------|
| COMM. NO. | 14451 |
|-----------|-------|



## WEST METRO WATER ALLIANCE

3235 FERNBROOK LANE | PLYMOUTH, MN  
55447

763.553.1144 | judie@jass.biz  
westmetrowateralliance.org

**To:** WMWA Partner WMOs

**From:** WMWA Steering Committee

**Date:** September 3, 2019

**Subject:** Proposed WMWA Contracted Coordinator

### Recommended Commission Action

Approve the WMWA Project Coordinator position description, and authorize the Shingle Creek WMO, acting as fiscal agent, to contract with a part-time Project Coordinator to be funded from the WMWA Special Projects 2019 and 2020 budgets.

At recent WMWA and Commission meetings we've discussed contracting for a part-time coordinator for WMWA. Given our limited staff and volunteer time availability, we have not been able to make meaningful progress towards achieving the goals of this consortium. A coordinator would be able to take on the routine tasks of implementation as well as special projects, allowing WMWA to serve primarily as an oversight and advisory group. We used this model for the highly successful Watershed PREP program, contracting with part-time educators for school lessons and community events.

The Steering Committee drafted the attached Project Coordinator job description for consideration by the member commissions. We identified primary job duties to start with, and some priority tasks. We also identified some additional job duties that are now part of the administrative budget that could be considered for this position in the future.

We estimate that at the start, the contractor would work 8-10 hours per week or about 30 hours per month on average, at \$40/hour, similar to the educators. For the balance of 2019 we suggest that WMWA and the member Commissions fund this contract coordinator through the Special Projects budget (see Table 1). The four partners each budgeted \$2,000 for 2019 for Special Projects, but since there was carryover funding from 2018 sufficient to cover existing 2019 activities, that \$8,000 has not yet been invoiced and received. Billing that amount now and adding the \$8,000 budgeted in 2020 would cover most of the position for 2019 and 2020.

**Table 1. Proposed Project Coordinator funding.**

|   |                              |
|---|------------------------------|
| 2019 Special Projects unbilled balance                    | \$8,000                      |
| 3 months * 30 hours * \$40                                | \$3,600                      |
| Expected special projects carryover to 2020 + 2020 budget | \$4,400 + \$8,000 = \$12,400 |
| 12 months * 30 hours * \$40 (360 hours)                   | \$14,400                     |
| Deficit   | \$2,000                      |

As part of the 2021 budget process next spring, WMWA and the Commissions can evaluate progress and consider modifying the WMWA budget to fully fund 2020 and beyond, as the existing annual Special Projects budget would be inadequate to fund this contract on an ongoing basis.

The WMWA partner agreement states that uses of the Special Projects funds are required to be reviewed and approved by the four Commissions. The WMWA Steering Committee recommends approval. There is an individual, Catherine Cesnik, who is interested in this position. She currently is the alternate Plymouth Commissioner to both Bassett Creek WMC and Elm Creek WMC and has been actively involved in the WMWA Steering Committee. If the Commissions are in agreement, the Steering Committee will work with the Shingle Creek attorney to draft a contract for services similar to the contract used with the WMWA Educators or WMWA Social Media/Outreach Consultant.



## **West Metro Water Alliance Project Coordinator**

DRAFT  
Position Description  
August 2019

This position would serve at the discretion of the West Metro Water Alliance (WMWA) partners as a contractor (non-staff member) with an hourly rate and no benefits, under a contract with a defined duration.

Average hours per week: 8-10

### **Primary Job Duties:**

1. Attend monthly WMWA partner meetings
2. Maintain the WMWA Education and Outreach Plan (amended 2015)
  - a. Consider and suggest updates and revisions to the plan in order to refine and focus on the WMWA mission
  - b. Periodically contact staff with member cities to determine existing or future educational gaps where WMWA work would be valued
3. Develop recommendations on core audiences, messages, and desired outcomes where WMWA should focus its work and budget
4. Develop potential projects and programs to advance the mission of WMWA
5. Carry out WMWA projects and programs as directed by the WMWA partners
6. Update and maintain WMWA website
7. Coordinate Metro Blooms workshops

### **Additional Job Duties to Consider in the future:**

1. Coordinate monthly WMWA meetings – secure location, develop agenda, send meeting notices, draft minutes
2. Develop proposed annual WMWA budget and workplan for consideration by WMWA partners
3. Receive and review reports from WMWA Educators and Outreach Consultant; summarize and present to WMWA partners
4. Receive and review reports from social media/outreach consultant; summarize and present to WMWA partners

### **Priority Tasks:**

1. Review and update the 2015 WMWA Education and Outreach Plan
  - a. Contact staff with member cities to determine existing or future educational gaps where WMWA work would be valued
  - b. Determine how/if a survey of residents is needed to help focus WMWA and its work
2. Coordinate the fabrication of a “roots display” for use at future watershed/city/WMWA events

**From:** Vlach, Brian <Brian.Vlach@threeriversparks.org>  
**Sent:** Wednesday, September 04, 2019 10:29 AM  
**To:** Judie Anderson <Judie@jass.biz>  
**Cc:** Timm, Amy <Amy.Timm@threeriversparks.org>  
**Subject:** Fish Lake Alum Treatment Update

Hi Judie,

I will be on vacation from September 5<sup>th</sup> through September 13<sup>th</sup>. Unfortunately, I will miss the Elm Creek Watershed Management Commission Meeting next Wednesday. Amy Timm will most likely attend the meeting in my place. I have attached a summary of the Fish Lake Alum Treatment data as well as providing water quality data up to this point in the season.

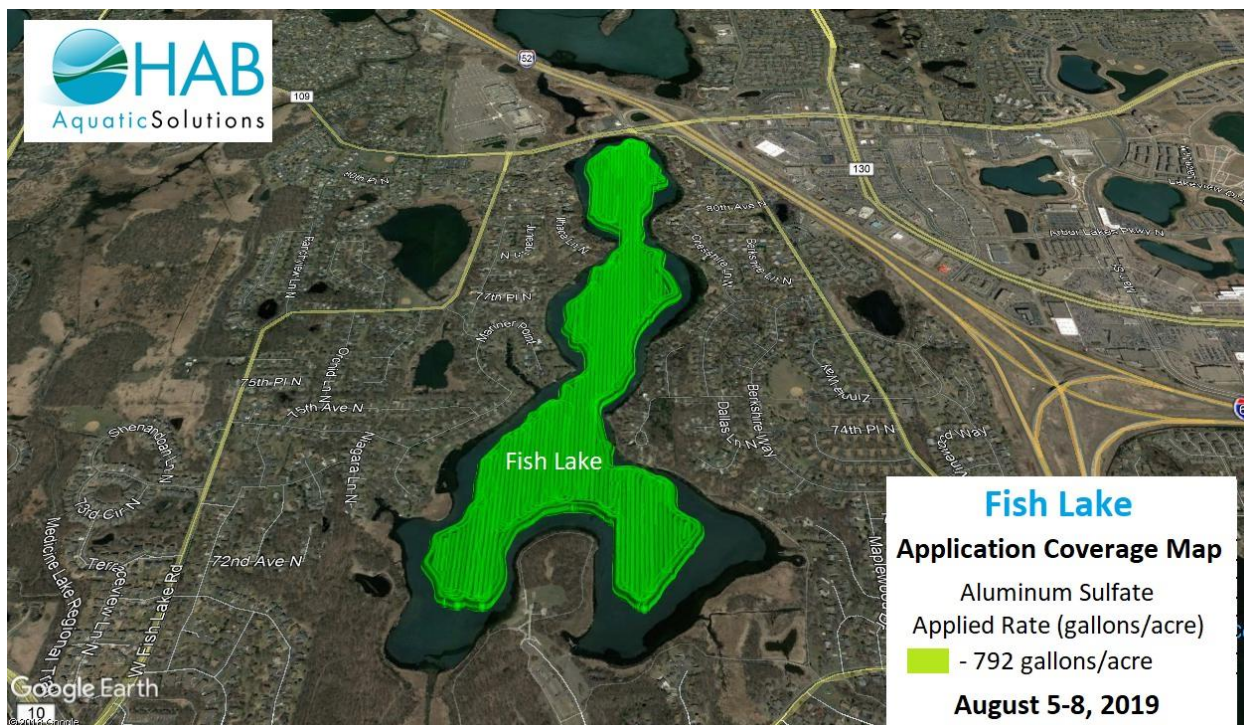
#### Summary of the Treatment

- Fish Lake Alum Treatment occurred from August 5<sup>th</sup> through August 8<sup>th</sup> of 2019.
- The target dosage for the lake was 95,000 gallons of alum.
- HAB applied 95,079 gallons of alum for 240 acres at depths > 20 feet (see attached treatment area map).
- Fish Lake has been meeting the total phosphorus standard (40 µg/L) for the entire season.
- Fish Lake bottom phosphorus concentrations have increased during the summer after lake stratification to approximately 160 µg/L, which has been typical for lakes with similar alum treatments. The phosphorus concentrations after lake stratification during the summer before alum treatment often exceeded 800 to 1000 µg/L.
- Despite the lower phosphorus concentrations, the lake still appears to have an algal bloom occurring late summer.
- The algal blooms may be due to phosphorus loading from the watershed due to the significant amount of rainfall we have been having this year. The watershed load is considerably higher this year because we have had the highest amount of precipitation since 1892. The Fish Lake area has received 31 inches of precipitation this year, which is almost 7 inches above average for this time of year. We are currently on pace to possibly break the precipitation record that was set in 1892.

Brian Vlach  
Senior Water Resources Manager  
Three Rivers Park District  
[Brian.Vlach@ThreeRiversParks.org](mailto:Brian.Vlach@ThreeRiversParks.org)  
763-694-7846

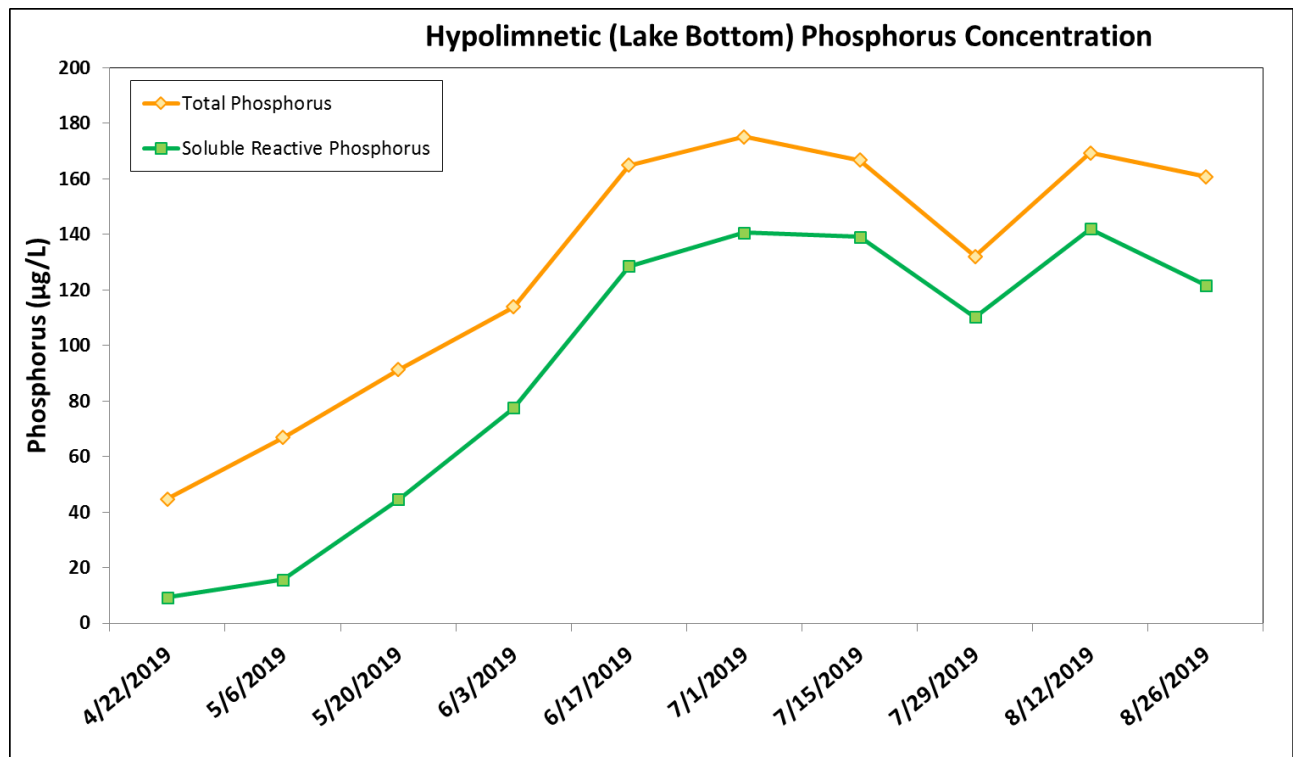
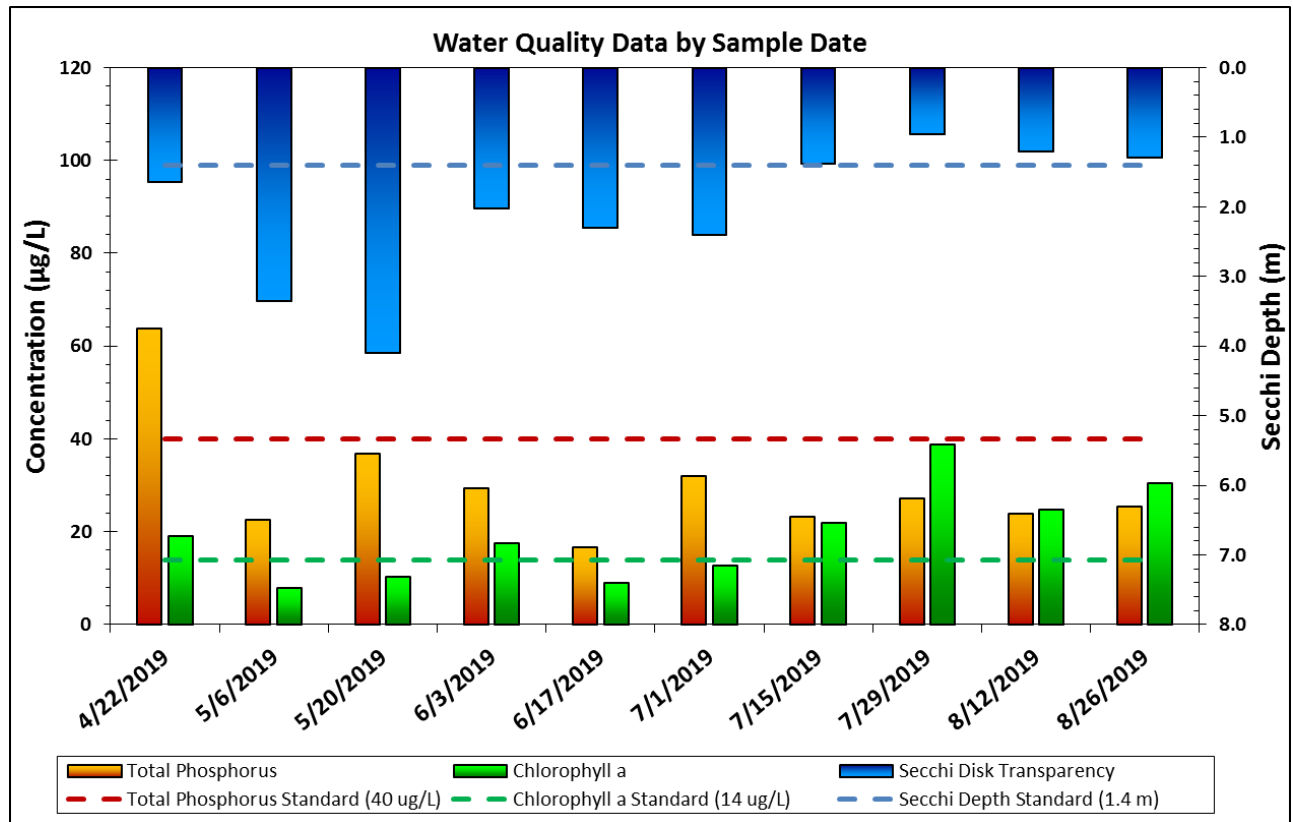


## Fish Lake Alum Treatment



### Daily Application Log for Fish Lake, MN Alum Application - 2019

| Date         | Lake | Hours of Application | Approx. Alum Applied (gal) | Approx. Acres Covered | Alum Truck Deliveries |
|--------------|------|----------------------|----------------------------|-----------------------|-----------------------|
| 8/5/2019     | Fish | 15:45 - 20:50        | 10,749                     | 28.1                  | 3                     |
| 8/6/2019     | Fish | 7:45 - 21:00         | 28,468                     | 70.4                  | 6                     |
| 8/7/2019     | Fish | 7:00 - 8:30          | 29,456                     | 74.2                  | 7                     |
| 8/8/2019     | Fish | 6:20 - 16:45         | 26,406                     | 67.6                  | 6                     |
| <b>Total</b> |      |                      | <b>95,079</b>              | <b>240.3</b>          | <b>22</b>             |







**HAB Aquatic Solutions**

735 S. 56th Street, Suite 2  
Lincoln, NE 68510  
Phone: 402.430.0352  
jholz@habaquatics.com

**INVOICE FOR SERVICES**

**Three Rivers Parks District**  
**Brian Vlach**  
**3000 Xenium Lane North**  
**Plymouth, MN 55441**

**DATE:** 14 August 2019  
**PROJECT NO.:** 19-801  
**PERIOD COVERED:** Thru 8/9/19  
**INVOICE NO.:** 19-801

**Project Name:** Fish Lake Aluminum Sulfate Treatment II  
**Project No:** 19-801  
**Contract Amount:** \$199,092.00

**Task 01: Fish Lake Alum Application**

| Description  | Amount        | Current Due       |
|--|---------------|-------------------|
| Complete services for lake alum application; including alum, labor, and equipment mobilization and demobilization. | \$ 199,092.00 | \$ 199,092.00     |
| <b>Task 01: Fish Lake Alum Application</b>   | <b>\$</b>     | <b>199,092.00</b> |
| <b>TOTAL DUE CURRENT INVOICE:</b>  | <b>\$</b>     | <b>199,092.00</b> |

|                              |    |            |
|------------------------------|----|------------|
| <b>CONTRACT AMOUNT:</b>      | \$ | 199,092.00 |
| <b>PREVIOUS BILLING:</b>     | \$ | -          |
| <b>CURRENT INVOICE:</b>      | \$ | 199,092.00 |
| <b>TOTAL INV'D. TO DATE:</b> | \$ | 199,092.00 |
| <b>CONTRACT REMAINING:</b>   | \$ | -          |

**Make all checks payable to:**  
HAB Aquatic Solutions  
735 S. 56th Street, Suite 2  
Lincoln, NE 68510

**Contracted Payment Term: 30 days**