



Please note the meeting will be held in person at the Carver County Government Center on the Wednesday, June 15, 2022. The meeting will also be available virtually using this [link](#).

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Lower Minnesota River Watershed District

7:00 PM

Wednesday, December 14, 2022

Carver County Government Center

602 East Fourth Street, Chaska, MN 55318

| Agenda Item | Discussion |
|-----------------------|---|
| 1. Call to order | A. Roll Call |
| 2. Approval of agenda | |
| 3. Citizen Forum | <p><i>Citizens may address the Board of Managers about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 So are not needed for the Forum, the Board will continue with the agenda. The Board will take no official action on items discussed at the Forum, with the exception of referral to staff or a Board Committee for a recommendation to be brought back to the Board for discussion or action at a future meeting.</i></p> |
| 4. Consent Agenda | <p><i>All items listed under the consent agenda are considered to be routine by the Board of Managers and will be enacted by one motion and an affirmative vote of a majority of the members present. There will be no separate discussion of these items unless a Board Member or citizen request, in which event, the items will be removed from the consent agenda and considered as a separate item in its normal sequence on the agenda.</i></p> <p>A. Approve Minutes November 16, 2022 Regular Meetings</p> <p>B. Receive and file November 2022 Financial reports</p> <p>C. Approval of Invoices for payment</p> <ul style="list-style-type: none"> i. Barr Engineering Company – November 2022 services related to Area #3 ii. Clifton Larson Allen (CLA) – Financial services through October 31, 2022 iii. US Bank Equipment Finance – December 2022 payment on copier lease iv. Rinke Noonan, Attorneys at Law – November 2022 legal services v. Young Environmental Consulting Group, LLC – November 2022 technical, and Education & Outreach services vi. TimeSaver Off Site Secretarial, Inc. - Preparation of November 2022 meeting minutes vii. Daniel Hron – December 2022 office rent viii. HDR Engineering, Inc. – Website services through November 2022 ix. Naiad Consulting, LLC – November 2022 administrative services, mileage & expenses x. 4M Fund – October 2022 Bank Service Charges <p>D. Receive and file November 2022 Citizen Advisory Committee meeting minutes</p> <p>E. Authorize final payment to Blackstone Construction</p> |

| | |
|-----------------------------------|--|
| | <p>F. Approve Agreement with HDR Engineering, Inc. for Professional Services</p> <p>G. Approve Memorandum of Agreement Between Carver County Public Services, Planning and Water Management Dept. and the LMRWD Regarding Water Quality Monitoring</p> |
| 5. New Business/ Presentations | A. Approve 2021 Annual Report and authorize distribution |
| 6. Old Business | <p>A. 2021 Financial Audit – update will be provided at the meeting</p> <p>B. Cost Share Application - S. Mueller, 10745 Lyndale Bluffs Trail - no new information to report since the last update</p> <p>C. City of Carver Levee – no new information to report since last update</p> <p>D. Dredge Management – no new information to report since last update</p> <p>E. Watershed Management Plan</p> <p>F. 2022 Legislative Action – no new information to report since last update</p> <p>G. LMRWD Projects <i>(only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)</i></p> <p>i. MN River Corridor Management Plan</p> <p>H. Permits & Project Reviews - See Administrator Report for project updates <i>(only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)</i></p> <p>i. Structures, Inc. (LMRWD No. 2022-036)</p> <p>ii. Chaska TH 41/CSAH 61 (LMRWD No.2022-014)</p> <p>iii. Permit Program Summary</p> <p>iv. 535 Lakota Lane, Chanhassen – work without a permit</p> |
| 7. Communications | <p>A. Administrator Report</p> <p>B. President</p> <p>C. Managers</p> <p>D. Committees</p> <p>E. Legal Counsel</p> <p>F. Engineer</p> |
| 8. Adjourn | Next meeting of the LMRWD Board of Managers is 7:00 pm Wednesday, January 18 , 2023. |

Upcoming meetings/Events

Managers are invited to attend any of these meetings. Most are free of charge and if not the LMRWD will reimburse registration fees.

- UMWA monthly meeting – Thursday, January 19, 2023, 12:00 noon Lilydale Pool & Yacht Club
- LMRWD Citizen Advisory Committee meeting – Tuesday, January 3, 2023, 9:00 am

For Information Only

- **WCA Notices**
 - Notice of Decision – City of Shakopee, MN Valley State Trail – Shakopee Campground Segment
 - Notice of Decision – City of Shakopee, 8600 Hansen Avenue – no loss
- **DNR Public Waters Work permits**
 - None
- **DNR Water Appropriation permits**
 - Dakota County – Amended Water Appropriation Permit for 2022 MBL Nicollet River Crossing (segment 2 of 2), Construction dewatering.



Item 4A
LMRWD 12-14-2022

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Minutes of Regular Meeting
Board of Managers
Wednesday, November 16, 2022
Carver County Government Center, 602 East 4th Street, Chaska, MN 7:00 p.m.
Approved _____

1. CALL TO ORDER AND ROLL CALL

On Wednesday, November 16, 2022, at 7:23 PM CST, in the Board Room of the Carver County Government Center, 602 East 4th Street, Chaska, Minnesota, President Hartmann called to order the meeting of the Board of Managers of the Lower Minnesota River Watershed District (LMRWD).

The first item on the agenda was the Oath of Office for Manager Kuplic. This item was postponed until Manager Kuplic arrived. Manager Kuplic was appointed to the LMRWD Board of Manager by the Dakota County Board of Commissioners on November 15, 2022. When Manager Kuplic arrived, Administrator Loomis administered the Oath of Office to Manager Kuplic and Manager Kuplic executed the Oath of Office and the Manager's Bond.

President Hartmann asked for roll call to be taken. The following Managers were present: President Jesse Hartmann, and Manager David Raby. Manager Laura Amundson participated virtually, and Manager Lauren Salvato was absent. Manager Kuplic arrived at 7:09 pm. In addition, the following attended the meeting: Linda Loomis, Naiad Consulting, LLC, LMRWD Administrator; and Della Schall Young, Young Environmental Consulting Group, LLC, LMRWD Technical Consultant. Attorney John Kolb, Rinke Noonan Attorneys at Law, LMRWD legal counsel; Hannah LeClaire, Young Environmental Consulting Group, LLC, LMRWD Technical Consultant; Ben Burnett, Manager, Prior Lake/Spring Lake Watershed District; and Jennifer Gora, Project Manager Airport Development, MAC; joined the meeting virtually.

2. APPROVAL OF THE AGENDA

Administrator Loomis asked to add delete Item 4. C. xi. – Daniel Hron; December 2022 office rent from the agenda and to add two invoices, the first as Item 4. C. xiii. - Metro Sales, Inc. – payment on copier maintenance agreement to the Consent Agenda. The second as Item 4. C. xiv. – 4M Fund Bank Service Charge.

Manager Raby made a motion to approve the agenda with the additions of Item 4. C. xiii – invoice for Metro Sales, Inc., Item 4. C. xiv. – invoice for 4M Fund Bank Service Charge and deleting Item 4. C. xi. Invoice for Daniel Hron. President Hartmann seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, and Raby; the following voted against: None

3. CITIZEN FORUM

Administrator Loomis reported that she had not received communication from anyone that wished to address the Board. No one was present that wished to address the Board.

4. CONSENT AGENDA

President Hartmann introduced the item.

A. Approve Minutes October 19, 2022, Regular Meeting

B. Receive and file October 2022 Financial reports

C. Approval of Invoices for payment

- i. **Barr Engineering Company –October 2022 services related to Area #3**
- ii. **Scott County Soil & Water Conservation District – Q3 2022 Monitoring, education, & technical assistance and cost share**
- iii. **Clifton Larson Allen (CLA) - Financial services through October 31, 2022**
- iv. **US Bank Equipment Finance – November 2022 payment on copier lease**
- v. **Rinke Noonan, Attorneys at Law – October 2022 legal services**
- vi. **Young Environmental Consulting Group, LLC – October 2022 technical, and Education & Outreach services**
- vii. **TimeSaver Off Site Secretarial, Inc. - Preparation of September 2022 meeting minutes**
- viii. **TimeSaver Off Site Secretarial, Inc. – Preparation of October 2022 meeting minutes**
- ix. **Inter-Fluve – October 2022 work on Area #3**
- x. **Star Tribune – publication for public hearing notices for Plan amendment and rules revisions**
- ~~xi. **Daniel Hron – December 2022 office rent**~~
- xii. **Naiad Consulting, LLC – September 2022 Administrative services, mileage, and expenses**
- xiii. **Metro Sales, Inc. – payment on copier maintenance agreement**
- xiv. **4M Fund – bank service charges**

D. Receive and file October 2022 Citizen Advisory Committee meeting minutes

E. Authorize Addendum to Recording Secretary Agreement

F. Certify 2023 Budget and tax levies as adopted and authorize transmission to counties

Manager Raby made a motion to approve the Consent Agenda as amended under the approval of the agenda. President Hartmann seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, and Raby; the following voted against: None

Manager Kuplic arrived and recited the Oath of Office.

5. NEW BUSINESS/PRESENTATIONS

A. Express Appreciation for Manager Mraz's service

Administrator Loomis introduced and provided background on this item. She looked for a motion to adopt the resolution and to present Manager Mraz with an award.

Manager Raby made a motion to adopt Resolution 22-12 – A RESOLUTION OF APPRECIATION FOR SERVICE AND CONTRIBUTION OF PATRICIA MRZ TO THE LOWER MINNESOTA RIVER WATERSHED DISTRICT. President Hartmann seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Kuplic, and Raby; the following voted against: None

6. OLD BUSINESS

A. 2021 Financial Audit

Administrator Loomis introduced this item. She stated she did not have anything to add to what was in the Executive Summary.

B. Cost Share Application - S. Mueller, 10745 Lyndale Bluffs Trail

No new information to report since last update.

C. City of Carver Levee

No new information to report since last update.

D. Dredge Management

i. Vernon Avenue Dredge Material Management site

Administrator Loomis introduced and provided an overview of this item. She stated they would recommend there be further investigation and plan on replacing the culvert and updating the access road.

Administrator Loomis introduced and provided an overview of this item. She stated it is recommended that there be further investigation and planning before replacing the culvert and upgrades to the access road.

Manager Raby made a motion to direct staff to continue work on recommendations of Technical Memorandums dated September 14, 2022, and November 9, 2022. President Hartmann seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Kuplic, and Raby; the following voted against: None

ii. Private Dredge Material Placement

No new information to report since last update.

E. Watershed Management Plan

Administrator Loomis introduced this item and said she didn't have any more to add other than what had been provided to the Board on the meeting materials.

F. 2022 Legislative Action

Administrator Loomis introduced and provided an overview of this item. She updated the Board on the changes to the legislative leadership. She noted the LMRWD is looking to get legislation drafted once the session starts. She added they are waiting on the cost estimate for Area #3 since they are seeking State funding on the project. She explained that the State appropriation for dredge management needs to be renewed every two years and they are looking to broaden the language to be used for other projects.

G. Education and Outreach Plan

Administrator Loomis introduced and provided an overview of this item. She noted the grant applications for these projects were in the packet. She stated she put together a cost share grant agreement for the Board's review. She shared there is still money left in the education budget for 2022.

The Board discussed the list of schools and those that are not in the district.

President Hartmann made a motion to award mini-grants to Black Hawk Middle School for \$500 and Thomas Jefferson High School for \$300 and authorize execution of grant agreements. Manager Kuplic seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Kuplic, and Raby; the following voted against: None

Administrator Loomis said she neglected to include any information in the Executive Summary regarding the recommendation from the Creek Crossing and Interpretive Signage Update - Technical Memorandum dated November 7, 2022.

Manager Raby made a motion to direct staff to move ahead with a creek crossing sign at Riley Creek and to continue to investigate potential interpretive signage locations and report back to the Board for review. Manager Kuplic seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Kuplic, and Raby; the following voted against: None

H. LMRWD Projects

(Only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)

i. Area #3 MN Riverbank Stabilization Project Update

Administrator Loomis introduced and provided an update on this project. She said soil borings require a permit from the Department of Health and that the permit requires permission from the property owner. The LMRWD is waiting on approval from the property owner to perform soil borings on their property.

The Board discussed alternative actions if approval is not given from the property owners. MS. Schall Young said that the project will move forward without the soil borings if permission is not granted by the property owners.

I. Project/Plan Reviews

(Only projects that require Board action will appear on the agenda. Informational updates will appear on the Administrator Report)

i. Metropolitan Airports Commission's Municipal Permit Update

Administrator Loomis introduced and provided an overview of this item. She stated that Ms. LeClaire wrote up a report for the Board to review. She noted staff will be meeting with MAC in December and will discuss an LGU permit at that time.

President Hartmann made a motion to conditionally approve a Municipal; LGU Permit for the City of Burnsville subject to resolving outstanding items listed in the Technical Memorandum – City of Burnsville Municipal LGU Permit (Surface Water Management Plan and Ordinance Controls Review) dated September 14, 2022. Manager Amundson seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Mraz, and Raby; the following voted against: None

ii. Peterson Wetland Bank Application (LMRWD No. 2022-037)

Administrator Loomis introduced and provided an overview of this item. She noted that this is an update on this project for the Board. She answered questions from the Board.

President Hartmann made motion to renew permits as recommended in the Technical Memorandum – October 2022 Permit Renewal Requests, dated October 12, 202. Manager MRAZ seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Mraz, and Raby; the following voted against: None

iii. Permit Program Summary

Administrator Loomis introduced and provided background on this item.

iv. 535 Lakota Lane, Chanhassen – work without a permit

Administrator Loomis introduced and provided background on this item. Attorney Kolb provided an update of the legal action progress.

6. COMMUNICATIONS

- A. **Administrator Report:** Administrator Loomis provided her report and gave updates of on-going projects. She shared that the US Army Corp of Engineers extended the comment period of their dam disposition study to December 18th. She stated she and Ms. LeClaire had talked to CenterPoint Energy concerning a pipeline under the Minnesota River and the release of mud while boring this project. She gave an overview of her recent meetings with cities and noted an update would be provided to the Board.
- B. **President:** No report
- C. **Managers:** No report
- D. **Committees:** No report
- E. **Legal Counsel:** No report
- F. **Engineer:** No report

7. ADJOURN

At 7:43 PM, President Hartmann made a motion to adjourn the meeting. Manager Raby seconded the motion. Upon a vote being taken the following voted in favor of the motion: Amundson, Hartmann, Kuplic, and Raby; the following voted against: None

The next meeting of the LMRWD Board of Managers meeting will be 7:00, Wednesday, December 14, 2022, and will be held at the Carver County Government Center, 602 East 4th Street, Chaska, MN. Electronic access will also be available.

Attest:

Lauren Salvato, Secretary

Linda Loomis, Administrator



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Minutes
Citizen Advisory Committee (CAC)
Tuesday, November 1, 2022
virtual via WebEx

1. Call to Order

The meeting was called to order by vice-chair Kuplic. The following members were present: Judy Berglund, Greg Genz, Jenny Karkowski, and Theresa Kuplic. The following individuals also attended the meeting: Linda Loomis, Naiad Consulting LLC and Lower Minnesota River Watershed District (LMRWD) administrator; and Jen Dullum, Young Environmental Consulting Group LLC education outreach coordinator.

2. Consent Agenda

- a. Approval of the October agenda
- b. Approval of the August minutes

Berglund moved to approve the consent agenda, and Genz seconded the motion. Upon taking a roll-call vote, the following individuals voted in favor of the motion: Kuplic, Karkowski, Berglund, and Genz. The following individuals voted against: none.

3. Citizen Input on Non-Agenda Items

There was no input.

4. New Business

- a. Educator Mini-Grant Program Application Scoring

Dullum introduced the item. She noted that CAC members who have not submitted scoring sheets should turn them in to staff. Staff will keep score sheets and a record of scores. Kuplic asked how to encourage applicants to better explain how their activity relates to water quality in the watershed. Dullum stated that it is up to the CAC to address water quality specifics in their scoring of the application, but it is possible to better address the topic in the questions asked in the application.

Kuplic also inquired whether the same educators will be contacted for the second mini-grant application round in February. Dullum responded that if we find educators who we missed, they will be included. Dullum noted that the turnaround time was quite quick for the first round of funding. She hopes that more teachers may apply with the increased time for round two. Berglund noted that teachers may need a longer

timeframe for mini-grant planning to bring that into their curriculum planning. There will also be increased outreach. Other surrounding watershed districts with educator grants may be asked to share tips for outreach methods to increase participation.

CAC member Diederichs was not at the meeting but provided a comment prior. He asked that the CAC request any educator receiving funds provide a 3-panel poster display describing the activity the CAC might bring to local community tabling events. A final poster display could address the above concern of how to better relate the activity to the water resources in the LMRWD. A poster display would be a request, rather than a requirement, for the recipient of the educator mini-grant and would provide a good summary and overview of student learning.

Kuplic asked whether the LMRWD funds any other education. The LMRWD provides funds to River Watch, the Metro Children's Water Festival, and the Scott Clean Water Education Program through the annual service contract with Scott County.

According to the educator mini-grant scoring, any applications scoring five or more points will be forward to the Board of Mangers for consideration for funding at the November board meeting. The CAC agreed that averaging their scores would be the easiest way to determine a final score for each applicant. All members agreed to forward both mini-grant applications to the Board of Managers for funding approval.

5. Old Business

There was no old business.

6. Communications

a. Q4 social media content calendar

Dullum shared the LMRWD Q4 social media content calendar. Kuplic asked how many followers the LMRWD had. The CAC reviewed Facebook, Instagram, and Twitter. There was concern about the low number of followers. It was suggested that we request that teachers awarded educator mini-grant funding follow the LMRWD social media platforms. Karkowski also suggested that the LMRWD begin an electronic newsletter or send email notifications to a partner list. Possible audiences noted by the CAC could include teachers and homeowners' associations.

b. Other

In reviewing the October minutes, Kuplic asked if the tri-fold poster could be made into a tabletop display. This display might be better suited to outdoor events on windy days. Dullum will work on a design for smaller tabletop displays. Loomis will look into how much of the budget is available to purchase tabletop easels.

Genz suggested using monitors for different visuals at events. He provided a cost for video production if the LMRWD was interested in going that direction for outreach. This work included script, actors, and editing for \$2,500. This option for education outreach will be discussed further at the December CAC meeting.

The CAC reviewed the December 6 meeting agenda and added video content to the agenda. The CAC agreed to a virtual meeting for December. Genz offered to host at his home for a future meeting date.

7. Adjournment

Berglund moved to adjourn the meeting, and Genz seconded the motion. The meeting was adjourned.

Item 4.B.
 LMRWD 12-14-2022

| | | |
|---|------------------|------------------------|
| BEGINNING BALANCE | | \$ 1,306,410.32 |
| ADD: | | |
| General Fund Revenue: | | |
| November Dividend | \$ 3,476.10 | |
| Permit review fee - Structures | \$ 750.00 | |
| Permit review fee - ValleyFair | \$ 1,000.00 | |
| Dakota County 2nd Half tax Settlement | \$ 31,895.30 | |
| | | |
| Total Revenue and Transfers In | | \$ 37,121.40 |
| DEDUCT: | | |
| Debits/Reductions | | |
| Young Environmental Consulting September 2022 invoices for technical services | \$ 49,116.15 | |
| US Bank Equipment Finance October copier lease payment | \$ 168.10 | |
| Daniel Hron November 2022 office rent | \$ 650.00 | |
| Metro Sales Payment on copier maintenance agreement | \$ 114.15 | |
| Star Tribune Publication of notices for public hearings | \$ 1,187.20 | |
| CLA (Clifton Larson Allen) October 2022 financial services | \$ 1,844.61 | |
| Inter-Fluve Area #3 engineering & design services | \$ 10,540.92 | |
| Naiad Consulitng, LLC Oct. 2022 Administrative services & expenses | \$ 11,629.98 | |
| Rinke Noonan Attorneys at Law October 2022 legal services | \$ 5,399.00 | |
| TimeSaver Off Site Secretarial Preparation of October 2022 meeting minutes | \$ 154.00 | |
| TimeSaver Off Site Secretarial Preparation of September 2022 meeting minutes | \$ 190.50 | |
| US Bank Equipment Finance November 2022 copier lease payment | \$ 168.10 | |
| Young Environmental Consulting October 2022 invoices for technical services | \$ 59,564.48 | |
| Rinke Noonan Attorneys at Law September 2022 legal services | \$ 1,848.75 | |
| Barr Engineering Company October 2022 Area #3 engineering services | \$ 4,248.49 | |
| Scott SWCD Q3 2022 monitoring, TACS & education services | \$ 6,676.00 | |
| 4M Fund Bank Service Charges | \$ 40.00 | |
| | | |
| Total Debits/Reductions | | \$ 153,540.43 |
| ENDING BALANCE | 30-Nov-22 | \$ 1,189,991.29 |

Lower Minnesota River Watershed District
 General Fund Financial Report
 Fiscal Year: January 1, 2021 through December 31, 2021
 Meeting Date: December 14, 2022

FY 2022

| EXPENDITURES | 2022 Budget | October Actuals | YTD 2022 | Over (Under) Budget |
|--|------------------------|----------------------|------------------------|---------------------|
| Administrative expenses | \$ 250,000.00 | \$ 42,185.14 | \$ 313,422.00 | \$ 63,422.00 |
| Cooperative Projects | | | | |
| Eden Prairie Bank Stabilization Area #3 | \$ 100,000.00 | \$ 34,131.09 | \$ 61,686.14 | \$ (38,313.86) |
| Gully Erosion Contingency Fund | \$ - | \$ - | \$ - | \$ - |
| USGS Sediment & Flow Monitoring | \$ - | \$ - | \$ - | \$ - |
| Ravine Stabilization at Seminary Fen in Chaska | \$ - | \$ - | \$ - | \$ - |
| Seminary Fen Ravine Restoration site A | \$ - | \$ - | \$ - | \$ - |
| Seminary Fen Ravine Restoration site C-2 | \$ - | \$ - | \$ 20,000.00 | \$ 20,000.00 |
| 509 Plan Budget | | | | |
| <i>Resource Plan Implementation</i> | | | | |
| Watershed Resource Restoration Fund | \$ 120,000.00 | \$ - | \$ 142,500.00 | \$ 22,500.00 |
| Gully Inventory | \$ - | \$ - | \$ 5,830.50 | \$ 5,830.50 |
| MN River Corridor Management Project | \$ - | \$ 5,185.00 | \$ 31,254.03 | \$ 31,254.03 |
| Gun Club Fen Intrusion investigation | \$ - | \$ - | \$ 6,393.45 | \$ 6,393.45 |
| Assumption Creek Hydrology Restoration | \$ - | \$ - | \$ 32,447.03 | \$ 32,447.03 |
| Carver Creek Restoration | \$ - | \$ - | \$ - | \$ - |
| Groundwater Screening Tool Model | \$ - | \$ - | \$ - | \$ - |
| MN River Floodplain Model Feasibility Study | \$ - | \$ - | \$ 13,301.32 | \$ 13,301.32 |
| Schroeder Acres Park SW Mgmt Project | \$ - | \$ - | \$ - | \$ - |
| Downtown Shakopee Stormwater BMPs | \$ 50,000.00 | \$ - | \$ 25,000.00 | \$ (25,000.00) |
| PLOC Realignment/Wetland Restoration | \$ 30,000.00 | \$ - | \$ - | \$ (30,000.00) |
| Spring Creek Project | \$ - | \$ - | \$ 12,336.30 | \$ 12,336.30 |
| West Chaska Creek | \$ - | \$ - | \$ 27,441.00 | \$ 27,441.00 |
| Sustainable Lakes Mgmt. Plan (Trout Lakes) | \$ 50,000.00 | \$ - | \$ - | \$ (50,000.00) |
| Geomorphic Assessments (Trout Streams) | \$ - | \$ - | \$ 9,913.85 | \$ 9,913.85 |
| Fen Stewardship Program | \$ 25,000.00 | \$ 6,610.50 | \$ 45,913.53 | \$ 20,913.53 |
| District Boundary Modification | \$ - | \$ - | \$ - | \$ - |
| E. Chaska Creek Bank Stabilization Project | \$ - | \$ - | \$ - | \$ - |
| E. Chaska Creek Treatment Wetland Project | \$ - | \$ - | \$ - | \$ - |
| MN River Sediment Reduction Strategy | \$ - | \$ - | \$ - | \$ - |
| Local Water Management Plan reviews | \$ 5,000.00 | \$ 3,435.05 | \$ 7,339.30 | \$ 2,339.30 |
| Project Reviews | \$ 75,000.00 | \$ 27,290.35 | \$ 218,051.55 | \$ 143,051.55 |
| <i>Monitoring</i> | \$ 75,000.00 | \$ 4,516.00 | \$ 26,022.50 | \$ (48,977.50) |
| <i>Watershed Management Plan</i> | \$ - | \$ 8,570.00 | \$ 26,999.25 | \$ 26,999.25 |
| <i>Public Education/CAC/Outreach Program</i> | \$ 75,000.00 | \$ 12,073.05 | \$ 55,328.73 | \$ (19,671.27) |
| <i>Cost Share Program</i> | \$ 20,000.00 | \$ 1,292.00 | \$ 20,606.43 | \$ 606.43 |
| Nine Foot Channel | | | | |
| Transfer from General Fund | \$ - | \$ - | \$ - | \$ - |
| Dredge Site Improvements | \$ 240,000.00 | \$ 8,252.25 | \$ 14,510.75 | \$ (225,489.25) |
| Total: | \$ 1,115,000.00 | \$ 153,540.43 | \$ 1,116,297.66 | \$ 1,297.66 |



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, November 16, 2022

Agenda Item

Item 4. D. – Authorize final payment to Blackstone Construction

Prepared By

Linda Loomis, Administrator

Summary

Blackstone Construction was the contractor the LMRWD retained for the East Chaska Creek Project. Funds were held until after the end of the vegetation warranty period, which was this past growing season. LMRWD staff inspected the project in June and noted that one oak tree needed replacement and that they were not able to find the red-twigged dogwoods. After consultation with the City, it was decided that the tree would be replaced under warranty and that the vegetation was well enough established that it was not necessary to replace the dogwoods. The total amount to be paid is \$4,526.32.

Staff is not recommending that final payment be made to Blackstone.

Attachments

Application and Certification for Payment
Gmail with notes from final inspection and response from City

Recommended Action

Motion to authorize final payment to Blackstone Contractors, LLC

APPLICATION AND CERTIFICATION FOR PAYMENT

CUSTOMER: Lower MN River Watershed
Dist
112 5th Street Suite 102
Chaska, MN 55318

PROJECT: East Chaska Creek Project
Behind Cuzzy's Brick House
2880 Chaska Blvd
Chaska, MN 55318

APPLICATION NO: 3

Distribution Via Email:
 OWNER
 ARCHITECT
 CONTRACTOR
 ENGINEER
 CONSTR MGR

PERIOD TO: 10/31/2022

CONTRACTOR: Blackstone Contractors LLC
9520 County Road 19, Ste D
Loretto, MN 55357

VIA ARCHITECT/
ENGINEER:

PROJECT NO: 2003

CONTRACT FOR: Lower MN River Watershed

CONTRACT DATE: 1/20/2020

APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet Page 2, is attached.

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

| | | |
|---|---------|--------------|
| 1. ORIGINAL CONTRACT SUM | | \$ 68,959.50 |
| 2. Net change by Change Orders | | \$ 2,566.95 |
| 3. CONTRACT SUM TO DATE | | \$ 71,526.45 |
| 4. TOTAL COMPLETED & STORED TO DATE | | \$ 71,526.45 |
| 5. RETAINAGE: | | |
| a. On Completed Work | \$ 0.00 | |
| b. On Stored Material | \$ 0.00 | |
| TOTAL RETAINAGE: | | \$ 0.00 |
| 6. TOTAL EARNED LESS RETAINAGE | | \$ 71,526.45 |
| 7. LESS PREVIOUS CERTIFICATES FOR PAYMENT | | \$ 67,000.13 |
| 8. CURRENT PAYMENT DUE | | \$ 4,526.32 |
| 9. BALANCE TO FINISH, INCLUDING RETAINAGE | | \$ 0.00 |

CONTRACTOR: Blackstone Contractors LLC

By: Bruce Karson Date: 11/02/2022

ARCHITECT / ENGINEER:

By: Pat Bl Date: 11/02/2022

OWNER'S REPRESENTATIVE:

By: Della Nyondi Schall Young Della Nyondi Schall Young Date: 11/08/2022

OWNER'S REPRESENTATIVE:

By: Linda Loomis Date: 11-25-2022

| Change Order Summary | <u>Additions</u> | <u>Deductions</u> |
|---|--------------------|-------------------|
| Total Changes approved in previous months by Owner: | 8,446.95 | 5,880.00 |
| Total approved this Month | 0.00 | 0.00 |
| NET CHANGES by Change Order | <u>\$ 2,566.95</u> | |

CONTINUATION SHEET

Project: East Chaska Creek Project

Application and Certification for Payment

Application No: 3
 Period To: 10/31/2022
 Project No: 2003

| ITEM No. | DESCRIPTION | PLAN QUANTITY | UNIT | UNIT COST | PREVIOUS QUANTITY | CURRENT QUANTITY | QUANTITY To DATE | MATERIALS STORED | TOTAL WORK PERFORMED |
|----------|------------------------------|---------------|------|-----------|-------------------|------------------|------------------|------------------|----------------------|
| A | Mobilization | 1 | LS | 1500.00 | 1 | 0 | 1 | 0.00 | 1,500.00 |
| B | Control of Water | 1 | LS | 1.00 | 1 | 0 | 1 | 0.00 | 1.00 |
| C | Traffic Control | 1 | LS | 300.00 | 1 | 0 | 1 | 0.00 | 300.00 |
| D | Construction Entrance | 1 | EA | 600.00 | 1 | 0 | 1 | 0.00 | 600.00 |
| E | Sediment Log | 0 | LF | 3.00 | 0 | 0 | 0 | 0.00 | 0.00 |
| F | Rock Filrer Dike | 1 | EA | 1.00 | 1 | 0 | 1 | 0.00 | 1.00 |
| G | Inlet Protection | 0 | EA | 110.00 | 0 | 0 | 0 | 0.00 | 0.00 |
| H | Street Sweeping | 1 | LS | 500.00 | 1 | 0 | 1 | 0.00 | 500.00 |
| I | Clearing & Grubbing | 1 | LS | 1800.00 | 1 | 0 | 1 | 0.00 | 1,800.00 |
| J | Remove Debris | 1 | LS | 500.00 | 1 | 0 | 1 | 0.00 | 500.00 |
| K | Grading (P) | 150 | CY | 1.00 | 150 | 0 | 150 | 0.00 | 150.00 |
| L | Granular Fill | 157.4 | TN | 85.00 | 157.45 | 0 | 157.45 | 0.00 | 13,383.25 |
| M | Rip Rap (Class III) | 319.9 | TN | 95.00 | 319.96 | 0 | 319.96 | 0.00 | 30,396.20 |
| N | Cross Vanes | 2 | EA | 1500.00 | 2 | 0 | 2 | 0.00 | 3,000.00 |
| O | Rock Vanes | 8 | EA | 1215.00 | 8 | 0 | 8 | 0.00 | 9,720.00 |
| P | Root Wads | 2 | EA | 400.00 | 2 | 0 | 2 | 0.00 | 800.00 |
| Q | Seed - Area | 0.15 | AC | 10000.00 | 0.15 | 0 | 0.15 | 0.00 | 1,500.00 |
| R | Seed - Cover Crop | 15 | LB | 10.00 | 15 | 0 | 15 | 0.00 | 150.00 |
| R2 | Seed - Floodplain Forest | 12 | LB | 50.00 | 12 | 0 | 12 | 0.00 | 600.00 |
| S | Erosion Control Blanket | 600 | SY | 3.00 | 600 | 0 | 600 | 0.00 | 1,800.00 |
| T | Plant Shrubs | 25 | EA | 75.00 | 25 | 0 | 25 | 0.00 | 1,875.00 |
| U | PLant Trees | 3 | EA | 650.00 | 3 | 0 | 3 | 0.00 | 1,950.00 |
| V | One Year Vegetation Warranty | 1 | EA | 1000.00 | 0 | 1 | 1 | 0.00 | 1,000.00 |
| | | | | | | | | | 71,526.45 |

East Chaska Creek - Final Warranty Inspection

Brent Alcott <balcott@chaskamn.com>
To: Katy Thompson <katy@youngceg.com>
Cc: Della Young <della@youngceg.com>, "naiadconsulting@gmail.com" <naiadconsulting@gmail.com>

Thu, Jun 23, 2022 at 8:36 AM

Good morning,

See comments below in red.

Brent Alcott
Water Resources Coordinator
(952)227-7525

From: Katy Thompson <katy@youngceg.com>
Sent: Monday, June 20, 2022 10:46 AM
To: Brent Alcott <balcott@chaskamn.com>
Cc: Della Young <della@youngceg.com>; naiadconsulting@gmail.com
Subject: [EXTERNAL]East Chaska Creek - Final Warranty Inspection

Good morning Brent,

I wanted to follow up with you on the results of our final warranty inspection of the Lower Minnesota River Watershed District's East Chaska Creek Bank Restoration project, on June 9, 2022. In general, the site looked great and I included our site comments below. We had two specific notes/questions we wanted to share with you:

1. **Offsite Drainage and Erosion:** Stormwater runoff from the northwest corner of the Lenzen parking lot appears to be flowing over the trail and into the creek, which is causing some slope instability on the creek bank (see the photo below). The bank erosion does not appear to be caused by the creek or threatening the restoration, but may be more of a drainage improvement for Lenzen and the city to monitor and/or address. **Understood, I will forward the comment to Chaska Public Works to check periodically for changes in erosion/slope stability.**
2. **Red-Twig Dogwoods:** We could not find the locations of the 25 red-twig dogwoods that were planted last year due to the amount of vegetation present on the banks. I know the City staked their locations and worked directly with Blackstone for these plantings, can you do a walk through and flag any replacements for Blackstone? Then we will coordinate with Blackstone to replace any dogwoods along with the dead swamp white oak. **The City provided some general direction with the approximate locations that the City preferred plantings to be installed. I am not sure of the exact location of the plantings. I will be out at the site tomorrow and to take a look for you.**

Other notes from the site visit:

- **In-Stream Structures:** Rock vanes, cross vanes, and root wads all looked in great shape; channel bed seems to have adjusted well to match elevations of the installed features.
- **Bank Stability:** Bank protection was in good shape with the exception of a small area near the downstream end of the project (see comment #1 above).
- **Plunge Pool:** Plunge pool near Crosstown Boulevard, some riprap has moved around a bit and some sediment has filled in, but the drop at the concrete bridge crossing is still entirely buried as intended, and no significant scour at the edges or downstream was observed.
- **Vegetation:** The site rebounded really well, vegetation was thick and thriving along all of the disturbed banks.
- **Plantings:** One of the three swamp white oaks was dead and needs replacement (see comment #2 above).
- **Other:** A tree clearing crew was out removing several large cottonwoods along the trail – no impact to the project.



Figure 1. Approximate overflow/drainage path from Lenzen parking lot into East Chaska Creek.

Thank you!

Katy

Katy Thompson, PE, CFM

Senior Associate, Water Resources Engineer

Young Environmental Consulting Group, LLC

a S/W/MBE Firm

she/her/hers*

Phone: (612) 219-8915

Email: katy@youngecg.com

Website: www.youngecg.com

*Why are pronouns important?

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LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting

Wednesday, November 16, 2022

Agenda Item

Item 4. F. – Approve Agreement with HDR Engineering, Inc. for Professional Services

Prepared By

Linda Loomis, Administrator

Summary

The agreement between the LMRWD and HDR Engineering to provide web hosting, design and maintenance services expires this year. A new agreement is attached for Board review and approval.

Attachments

Short Form Agreement Between Owner and HDR Engineering, Inc. for Professional Services

Recommended Action

Motion to approve Agreement Between Owner and HDR Engineering, Inc. for Professional Services and authorize execution by LMRWD President

**SHORT FORM AGREEMENT BETWEEN OWNER AND
HDR ENGINEERING, INC. FOR PROFESSIONAL SERVICES**

THIS AGREEMENT is made as of this 14th day of December 2022, between Lower Minnesota River Watershed District (“OWNER”) a government unit responsible for managing and protecting water resources, with principal offices at 112 East 5th Street, Chaska, MN 55318 and HDR ENGINEERING, INC., (“ENGINEER” or “CONSULTANT”) for services in connection with the project known as (LMRWD Website Maintenance Services) (“Project”);

WHEREAS, OWNER desires to engage ENGINEER to provide professional engineering, consulting and related services (“Services”) in connection with the Project; and

WHEREAS, ENGINEER desires to render these Services as described in SECTION I, Scope of Services.

NOW, THEREFORE, OWNER and ENGINEER in consideration of the mutual covenants contained herein, agree as follows:

SECTION I. SCOPE OF SERVICES

ENGINEER will provide Services for the Project, which consist of the Scope of Services as outlined on the attached Exhibit A.

SECTION II. TERMS AND CONDITIONS OF ENGINEERING SERVICES

The HDR Engineering, Inc. Terms and Conditions, which are attached hereto in Exhibit B, are incorporated into this Agreement by this reference as if fully set forth herein.

SECTION III. RESPONSIBILITIES OF OWNER

The OWNER shall provide the information set forth in paragraph 6 of the attached “HDR Engineering, Inc. Terms and Conditions for Professional Services.”

SECTION IV. COMPENSATION

Compensation for ENGINEER’S services under this Agreement shall be on the basis of Time and Materials shall mean actual labor hours to be paid as total compensation for each hour an employee works on the project, plus Reimbursable Expenses. HDR will perform the Scope of Services identified in Exhibit A on a time and expenses basis for a not-to-exceed fee of \$11,245.

The amount of any sales tax, excise tax, value added tax (VAT), or gross receipts tax that may be imposed on this Agreement shall be added to the ENGINEER'S compensation as Reimbursable Expenses.

Compensation terms are defined as follows:

Direct Labor Cost shall mean salaries and wages, (basic and overtime) paid to all personnel engaged directly on the Project. The Direct Labor Costs and the factor applied to Direct Labor Costs will be adjusted annually as of the first of every year to reflect equitable changes to the compensation payable to Engineer.

Reimbursable Expense shall mean the actual expenses incurred directly or indirectly in connection with the Project for transportation travel, subconsultants, subcontractors, technology charges, telephone, telex, shipping and express, and other incurred expense. ENGINEER will add ten percent (10%) to invoices received by ENGINEER from subconsultants and subcontractors to cover administrative expenses and vicarious liability.

SECTION V. PERIOD OF SERVICE

Upon receipt of written authorization to proceed, ENGINEER shall perform the services

within the time period(s) described in Exhibit A.

as follows:

Unless otherwise stated in this Agreement, the rates of compensation for ENGINEER'S services have been agreed to in anticipation of the orderly and continuous progress of the project through completion. If any specified dates for the completion of ENGINEER'S services are exceeded through no fault of the ENGINEER, the time for performance of those services shall be automatically extended for a period which may be reasonably required for their completion and all rates, measures and amounts of ENGINEER'S compensation shall be equitably adjusted.

SECTION VI. SPECIAL PROVISIONS

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first written above.

"OWNER"

BY: _____

NAME: _____

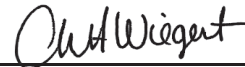
TITLE: _____

ADDRESS: _____

HDR ENGINEERING, INC.

"ENGINEER"

BY: _____



NAME: _____

Christine A. Wiegert

TITLE: _____

Vice President

ADDRESS: _____

601 Utica Ave S #600

St. Louis Park, MN 55416

EXHIBIT A

SCOPE OF SERVICES



Linda Loomis, District Administrator
Lower Minnesota River Watershed District
112 E. 5th Street, #102
Chaska, Minnesota 55318

Ms. Loomis,

Please find HDR's scope and budget for website maintenance services for January 1, 2023 to December 31, 2025.

Exhibit A: Scope of Services

Task 1: Project Management

Includes:

- Invoices as required, no more than bi-monthly (up to 12 total)
- Contract administration

Task 2: Monthly Website Maintenance

Includes:

- Response to questions from LMRWD regarding the website
- Response to website bugs or design fixes as needed
- Response to system issues resulting in disrupted function or site downtime
- Required system upgrades or patches

Assumptions:

- HDR assumes 2 hours/month for website maintenance for the contract duration.
- HDR will support browser versions that are currently active and supported by their creating companies. In particular, Chrome, Firefox, Safari, and Internet Explorer version 10+.

Budget

Based on the scope of work described above, HDR proposes to provide these services on a time and expenses basis with a limit **not to exceed** \$11,245 without prior authorization of Lower Minnesota River Watershed District.

| Task | Hours | Cost |
|-------------------------------------|--|-----------------|
| Task 1: Project Management | 16 hours | \$2,485 |
| Task 2: Monthly Website Maintenance | 48 hours (2 hours/month for contract duration) | \$8,760 |
| Total Cost | 64 hours | \$11,245 |

Schedule

These additional scope of services will be performed from January 1, 2023 to December 31, 2025.

EXHIBIT B

TERMS AND CONDITIONS

HDR Engineering, Inc. Terms and Conditions for Consulting Services

1. STANDARD OF PERFORMANCE

The standard of care for all professional engineering, consulting and related services performed or furnished by CONSULTANT and its employees under this Agreement will be the care and skill ordinarily used by members of CONSULTANT's profession practicing under the same or similar circumstances at the same time and in the same locality. CONSULTANT makes no warranties, express or implied, under this Agreement or otherwise, in connection with CONSULTANT's services.

2. INSURANCE/INDEMNITY

CONSULTANT agrees to procure and maintain, at its expense, Workers' Compensation insurance as required by statute; Employer's Liability of \$250,000; Automobile Liability insurance of \$1,000,000 combined single limit for bodily injury and property damage covering all vehicles, including hired vehicles, owned and non-owned vehicles; Commercial General Liability insurance of \$1,000,000 combined single limit for personal injury and property damage; and Professional Liability insurance of \$1,000,000 per claim for protection against claims arising out of the performance of services under this Agreement caused by negligent acts, errors, or omissions for which CONSULTANT is legally liable. OWNER shall be made an additional insured on Commercial General and Automobile Liability insurance policies and certificates of insurance will be furnished to the OWNER. CONSULTANT agrees to indemnify OWNER for third party personal injury and property damage claims to the extent caused by CONSULTANT's negligent acts, errors or omissions. However, neither Party to this Agreement shall be liable to the other Party for any special, incidental, indirect, or consequential damages (including but not limited to loss of use or opportunity; loss of good will; cost of substitute facilities, goods, or services; cost of capital; and/or fines or penalties), loss of profits or revenue arising out of, resulting from, or in any way related to the Project or the Agreement from any cause or causes, including but not limited to any such damages caused by the negligence, errors or omissions, strict liability or breach of contract.

3. ESTIMATES

Any estimates of project cost, value or savings provided by CONSULTANT are intended to allow a comparative evaluation between alternatives and do not constitute a detailed evaluation or prediction of actual project costs, value or savings. Any such estimates are made on the basis of information available to CONSULTANT and on the basis of CONSULTANT's experience and qualifications, and represents its judgment as an experienced and qualified professional engineer. However, since CONSULTANT has no control over the impact of various factors that impact the actual project cost, value or savings, CONSULTANT does not guarantee that the actual project cost, value or savings will not vary from CONSULTANT's estimates.

4. CONTROLLING LAW

This Agreement is to be governed by the law of the state where CONSULTANT's services are performed.

5. SUCCESSORS, ASSIGNS AND BENEFICIARIES

OWNER and CONSULTANT, respectively, bind themselves, their partners, successors, assigns, and legal representatives to the covenants of this Agreement. Neither OWNER nor CONSULTANT will assign, sublet, or transfer any interest in this Agreement or claims arising therefrom without the written consent of the other. No third party beneficiaries are intended under this Agreement.

6. SERVICES AND INFORMATION

OWNER will provide all criteria and information pertaining to OWNER's requirements for the project, including design

objectives and constraints, space, capacity and performance requirements, flexibility and expandability, and any budgetary limitations. OWNER will also provide copies of any OWNER-furnished Standard Details, Standard Specifications, or Standard Bidding Documents which are to be incorporated into the project.

OWNER will furnish the services of soils/geotechnical engineers or other consultants that include reports and appropriate professional recommendations when such services are deemed necessary by CONSULTANT. The OWNER agrees to bear full responsibility for the technical accuracy and content of OWNER-furnished documents and services.

In performing professional engineering, consulting and related services hereunder, it is understood by OWNER that CONSULTANT is not engaged in rendering any type of legal, insurance or accounting services, opinions or advice. Further, it is the OWNER's sole responsibility to obtain the advice of an attorney, insurance counselor or accountant to protect the OWNER's legal and financial interests. To that end, the OWNER agrees that OWNER or the OWNER's representative will examine all studies, reports, sketches, drawings, specifications, proposals and other documents, opinions or advice prepared or provided by CONSULTANT, and will obtain the advice of an attorney, insurance counselor or other consultant as the OWNER deems necessary to protect the OWNER's interests before OWNER takes action or forebears to take action based upon or relying upon the services provided by CONSULTANT.

7. RE-USE OF DOCUMENTS

All documents, including all reports, drawings, specifications, computer software or other items prepared or furnished by CONSULTANT pursuant to this Agreement, are instruments of service with respect to the project. CONSULTANT retains ownership of all such documents. OWNER may retain copies of the documents for its information and reference in connection with the project; however, none of the documents are intended or represented to be suitable for reuse by OWNER or others on extensions of the project or on any other project. Any reuse without written verification or adaptation by CONSULTANT for the specific purpose intended will be at OWNER's sole risk and without liability or legal exposure to CONSULTANT, and OWNER will defend, indemnify and hold harmless CONSULTANT from all claims, damages, losses and expenses, including attorney's fees, arising or resulting therefrom. Any such verification or adaptation will entitle CONSULTANT to further compensation at rates to be agreed upon by OWNER and CONSULTANT.

8. TERMINATION OF AGREEMENT

OWNER or CONSULTANT may terminate the Agreement, in whole or in part, by giving seven (7) days written notice to the other party. Where the method of payment is "lump sum," or cost reimbursement, the final invoice will include all services and expenses associated with the project up to the effective date of termination. An equitable adjustment shall also be made to provide for termination settlement costs CONSULTANT incurs as a result of commitments that had become firm before termination, and for a reasonable profit for services performed.

9. SEVERABILITY

If any provision of this agreement is held invalid or unenforceable, the remaining provisions shall be valid and binding upon the parties. One or more waivers by either party of any provision, term or condition shall not be construed by the other party as a waiver of any subsequent breach of the same provision, term or condition.

10. CONTROLLING AGREEMENT

These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice-to-proceed, or like document.

11. INVOICES

CONSULTANT will submit monthly invoices for services rendered and OWNER will make payments to CONSULTANT within thirty (30) days of OWNER's receipt of CONSULTANT's invoice.

CONSULTANT will retain receipts for reimbursable expenses in general accordance with Internal Revenue Service rules pertaining to the support of expenditures for income tax purposes. Receipts will be available for inspection by OWNER's auditors upon request.

If OWNER disputes any items in CONSULTANT's invoice for any reason, including the lack of supporting documentation, OWNER may temporarily delete the disputed item and pay the remaining amount of the invoice. OWNER will promptly notify CONSULTANT of the dispute and request clarification and/or correction. After any dispute has been settled, CONSULTANT will include the disputed item on a subsequent, regularly scheduled invoice, or on a special invoice for the disputed item only.

OWNER recognizes that late payment of invoices results in extra expenses for CONSULTANT. CONSULTANT retains the right to assess OWNER interest at the rate of one percent (1%) per month, but not to exceed the maximum rate allowed by law, on invoices which are not paid within thirty (30) days from the date OWNER receives CONSULTANT's invoice. In the event undisputed portions of CONSULTANT's invoices are not paid when due, CONSULTANT also reserves the right, after seven (7) days prior written notice, to suspend the performance of its services under this Agreement until all past due amounts have been paid in full.

12. CHANGES

The parties agree that no change or modification to this Agreement, or any attachments hereto, shall have any force or effect unless the change is reduced to writing, dated, and made part of this Agreement. The execution of the change shall be authorized and signed in the same manner as this Agreement. Adjustments in the period of services and in compensation shall be in accordance with applicable paragraphs and sections of this Agreement. Any proposed fees by CONSULTANT are estimates to perform the services required to complete the project as CONSULTANT understands it to be defined. For those projects involving conceptual or process development services, activities often are not fully definable in the initial planning. In any event, as the project progresses, the facts developed may dictate a change in the services to be performed, which may alter the scope. CONSULTANT will inform OWNER of such situations so that changes in scope and adjustments to the time of performance and compensation can be made as required. If such change, additional services, or suspension of services results in an increase or decrease in the cost of or time required for performance of the services, an equitable adjustment shall be made, and the Agreement modified accordingly.

13. EQUAL EMPLOYMENT AND NONDISCRIMINATION

In connection with the services under this Agreement, CONSULTANT agrees to comply with the applicable provisions of federal and state Equal Employment Opportunity for individuals based on color, religion, sex, or national origin, or disabled veteran, recently separated veteran, other protected veteran and armed forces service medal veteran status, disabilities under provisions of executive order 11246, and other

employment, statutes and regulations, as stated in Title 41 Part 60 of the Code of Federal Regulations § 60-1.4 (a-f), § 60-300.5 (a-e), § 60-741 (a-e).

14. EXECUTION

This Agreement, including the exhibits and schedules made part hereof, constitute the entire Agreement between CONSULTANT and OWNER, supersedes and controls over all prior written or oral understandings. This Agreement may be amended, supplemented or modified only by a written instrument duly executed by the parties.

15. ALLOCATION OF RISK

OWNER AND CONSULTANT HAVE EVALUATED THE RISKS AND REWARDS ASSOCIATED WITH THIS PROJECT, INCLUDING CONSULTANT'S FEE RELATIVE TO THE RISKS ASSUMED, AND AGREE TO ALLOCATE CERTAIN OF THE RISKS, SO, TO THE FULLEST EXTENT PERMITTED BY LAW, THE TOTAL AGGREGATE LIABILITY OF CONSULTANT (AND ITS RELATED CORPORATIONS, SUBCONSULTANTS AND EMPLOYEES) TO OWNER AND THIRD PARTIES GRANTED RELIANCE IS LIMITED TO THE LESSER OF \$1,000,000 OR ITS FEE, FOR ANY AND ALL INJURIES, DAMAGES, CLAIMS, LOSSES, OR EXPENSES (INCLUDING ATTORNEY AND EXPERT FEES) ARISING OUT OF CONSULTANT'S SERVICES OR THIS AGREEMENT REGARDLESS OF CAUSE(S) OR THE THEORY OF LIABILITY, INCLUDING NEGLIGENCE, INDEMNITY, OR OTHER RECOVERY.

16. LITIGATION SUPPORT

In the event CONSULTANT is required to respond to a subpoena, government inquiry or other legal process related to the services in connection with a legal or dispute resolution proceeding to which CONSULTANT is not a party, OWNER shall reimburse CONSULTANT for reasonable costs in responding and compensate CONSULTANT at its then standard rates for reasonable time incurred in gathering information and documents and attending depositions, hearings, and trial.

17. NO THIRD PARTY BENEFICIARIES

This Agreement gives no rights or benefits to anyone other than the OWNER and CONSULTANT and has no third-party beneficiaries. All work product will be prepared for the sole and exclusive use of the OWNER and is not for the benefit of any third party and may not be distributed to, disclosed in any form to, used by, or relied upon by, any third party without the prior written consent of CONSULTANT, which consent may be withheld in its sole discretion. OWNER agrees to indemnify CONSULTANT and its officers, employees, subcontractors, and affiliated corporations from all claims, damages, losses, and costs, including but not limited to litigation expenses and attorney's fees arising out of or related to the unauthorized disclosure, change, or alteration of such work product.

Use of any report or any information contained therein by any party other than OWNER shall be at the sole risk of such party and shall constitute a release and agreement by such party to defend and indemnify CONSULTANT and its affiliates, officers, employees and subcontractors from and against any liability for direct, indirect, incidental, consequential or special loss or damage or other liability of any nature arising from said party's use of such report or reliance upon any of its content. To the maximum extent permitted by law, such release from and indemnification against liability shall apply in contract, tort (including negligence), strict liability, or any other theory of liability.

18. DISCLAIMER

In preparing reports, CONSULTANT relies, in whole or in part, on data and information provided by the OWNER and third parties, which information has not been independently verified by CONSULTANT and which CONSULTANT has assumed to be accurate, complete, reliable, and current. Therefore, while CONSULTANT has utilized the customary professional standard of care in preparing this report, CONSULTANT does not warrant or guarantee the conclusions set forth in reports which are dependent or based upon data, information or statements supplied by third parties or the OWNER.

19 OPERATIONAL TECHNOLOGY SYSTEMS

OWNER agrees that the effectiveness of operational technology systems ("OT Systems") and features designed, recommended or assessed by CONSULTANT are dependent upon OWNER's continued operation and maintenance of the OT Systems in accordance with all standards, best practices, laws, and regulations that govern the operation and maintenance of the OT Systems. OWNER shall be solely responsible for operating and maintaining the OT System in accordance with applicable industry standards (i.e. ISA, NIST, etc.) and best practices, which generally include but are not limited to, cyber security policies and procedures, documentation and training requirements, continuous monitoring of assets for tampering and intrusion, periodic evaluation for asset vulnerabilities, implementation and update of appropriate technical, physical, and operational standards, and offline testing of all software/firmware patches/updates prior to placing updates into production. Additionally, OWNER recognizes and agrees that OT Systems are subject to internal and external breach, compromise, and similar incidents. Security features designed, recommended or assessed by CONSULTANT are intended to reduce the likelihood that OT Systems will be compromised by such incidents. However, CONSULTANT does not guarantee that OWNER's OT Systems are impenetrable and OWNER agrees to waive any claims against CONSULTANT resulting from any such incidents that relate to or affect OWNER's OT Systems.

20. FORCE MAJEURE

CONSULTANT shall not be responsible for delays caused by factors beyond CONSULTANT's reasonable control, including but not limited to delays because of strikes, lockouts, work slowdowns or stoppages, government ordered industry shutdowns, power or server outages, acts of nature, widespread infectious disease outbreaks (including, but not limited to epidemics and pandemics), failure of any governmental or other regulatory authority to act in a timely manner, failure of the OWNER to furnish timely information or approve or disapprove of CONSULTANT's services or work product, or delays caused by faulty performance by the OWNER's or by contractors of any level or any other events or circumstances not within the reasonable control of the party affected, whether similar or dissimilar to any of the foregoing. When such delays beyond CONSULTANT's reasonable control occur, the OWNER agrees that CONSULTANT shall not be responsible for damages, nor shall CONSULTANT be deemed in default of this Agreement, and the parties will negotiate an equitable adjustment to CONSULTANT's schedule and/or compensation if impacted by the force majeure event or condition.



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, December 14, 2022

Agenda Item

Item 4. G. - Approve Memorandum of Agreement (MOA) Between Carver County Public Services, Planning and Water Management Dept. and the LMRWD Regarding Water Quality Monitoring

Prepared By

Linda Loomis, Administrator

Summary

The LMRWD retains Carver County Public Services, Planning and Water Management Department to conduct water resource monitoring services. The current MOA expires at the end of 2022. A new agreement is attached that runs through December 31, 2027. It is basically the same agreement as the previous agreement, the not to exceed cost for each year and the dates are basically the only things that have changed. You can view the previous MOA using this [link](#).

Attachment

Memorandum of Agreement Between Carver County Public Services, Planning and Water Management Dept. and the LMRWD Regarding Water Quality Monitoring in East Chaska Creek, Chaska Creek Watershed and Seminary Fen

Recommended Action

Motion to approve Memorandum of Agreement Between Carver County Public Services, Planning and Water Management Dept. and the LMRWD Regarding Water Quality Monitoring and authorize execution

Memorandum of Agreement

Between Carver County Public Services, Planning and Water Management Dept. and the Lower Minnesota River Watershed District Regarding Water Quality Monitoring in East Chaska Creek, Chaska Creek Watersheds, and Seminary Fen.

Carver County is charged with water management responsibilities in all areas in the County that fall in the Carver County Water Management Organization (CCWMO). Toward this end the County has been monitoring surface water for nutrients and fecal coliform/E. coli since 1997. The data is used to determine areas of the County where surface and ground water are impacted, and to what extent the water has been impacted. Management plans aimed at reducing or eliminating the sources of degradation are then developed and implemented. Following implementation of the management plans, water quality monitoring information is used to measure the effectiveness of the plans, and to determine whether additional measures need to be put in place.

The purpose of this memorandum of agreement is to 1) establish the roles regarding the design and implementation of the program, 2) promote efficient use of staff and financial assets used in monitoring surface and ground water in the county, 3) provide for the assessment of the water quality monitoring data, and 4) ensure a comprehensive, local approach to water management in the county.

I. PROGRAM COORDINATION

Planning and implementation of an effective water quality monitoring program, and associated water management plan will require extensive communication between Carver County Public Services, Planning and Water Management Dept. and the Lower Minnesota River Watershed District (LMRWD), and the respective Boards and/or Councils of each entity. The Carver County Board of Commissioners is responsible for water management in the CCWMO pursuant to MS 103B.231 Subd. 3(b). Participation by the LMRWD and their Board, along with their constituents is essential to a well-developed program in the county. The goals of the program, the general approach, and roles of all parties relating to program planning and implementation are as follows:

A. Project Goal:

1. To establish long term water quality and quantity monitoring trends in the East Chaska Creek watershed, West Chaska Creek watershed, and Seminary Fen. This data includes but is not limited to stream, lake, and groundwater monitoring activities.
2. To establish a partnership with a common goal of providing water education to meet the specific needs of the LMRWD relative to its mission.

B. Objectives:

Monitoring:

1. Monitor four stream sites, one on West Chaska Creek and three on East Chaska Creek (EC 1, EC 2, EC 3, & CH 1_0) for the occurrence and concentration of nutrients and E. coli in the watersheds representative of land use and urban development patterns in Carver County;
2. Monitor level and flow at each of the aforementioned stream site locations.
3. Monitor water level at four nested shallow wells, eight deep wells and one stream site (Assumption Creek at 61) within the Seminary Fen and its recharge areas;
4. Monitor water quality at three lakes (Courthouse, Firemen's, and Brickyard) using the CAMP protocol;
5. Utilize analysis of land use, nutrient use, and hydrologic attributes that may be resulting in surface water degradation;
6. Provide basic information from which the efficacy of Best Management Practices may be determined;
7. Disseminate the information developed through the monitoring program to the appropriate policy makers, scientists, and citizens of Carver County and the state of Minnesota; and
8. Provide data that are suitable for TMDL (Total Maximum Daily Load), WRAP (Watershed Restoration and Protection Strategy), and 1W1P (One Watershed One Plan) development if requested.
9. Provide additional monitoring services to the aforementioned if requested by LMRWD.

Education:

1. Provide public education and outreach to citizens, staff, developers, contractors, decision makers, and students within the LMRWD boundary area in Carver County.
2. Provide public participation through programs and activities to citizens, staff developers, contractors, decision makers, and students within the LMRWD boundary area in Carver County.

C. Approach:*Monitoring:*

Grab samples will be collected at each established stream site mentioned above from April to October, and as needed otherwise, to monitor three watersheds: 1) East Chaska Creek which is representative of highly developed area with only short-term water quality information, 2) West Chaska Creek which is representative of areas that are currently transitioning from rural/agricultural land use to residential land use, and 3) Assumption Creek to get baseline chemistry and physical data. Continuous level loggers are installed at in the spring and retrieved in the fall. The sites have been operated by Carver County and with the aid of funding from the Lower Minnesota River Watershed District for the past twenty years. Samples will be obtained during different flow regimes to accurately categorize annual load amounts and concentrations of selected chemical parameters and E. coli, respectively. The complete design of the monitoring program is outlined with the annual Carver County Water Management Organization Water Monitoring Plan, documented separately.

The three lakes to be monitored (Brickyard, Courthouse, and Fireman's) will be monitored bi-weekly

April-October following the RMB Lake Monitoring Program protocol. Parameters to be monitored are total phosphorus, total Kjeldahl nitrogen, chlorophyll a, Secchi disc, dissolved oxygen, temperature, pH, specific conductance, and chloride.

The Seminary Fen and its upslope recharge areas will be monitored by obtaining level measurements at 4 nested shallow piezometer sites within the fen, and at 5 MNDNR Observation Wells both within the fen and its upslope recharge area, with 10 wells equipped with data loggers. Site visits include manual dropdown water level measurements to help correct automated data logger outputs. Data is downloaded and submitted to MNDNR.

The scope of this agreement may be expanded during the term of contract if requested by **LMRWD**.

Education:

Education will be conducted through different media including digital outreach, in-person events (i.e. fairs/festivals), brochures, displays, newsletter and newspaper articles, and youth education programs. These activities will help LMRWD achieve its mission to increase public participation and educational awareness in the topic areas of stormwater runoff and water pollution prevention, lake and river health, good housekeeping, and more.

D. Responsibilities

Carver County Public Services, Planning and Water Management Dept.

Monitoring:

1. Act as lead in set-up and installation of water quality monitoring sites as well as conduct routine maintenance or improvements to automatic sampling stations as needed;
2. Routine check-up of stations as needed to ensure proper functioning;
3. Pick-up of samples and deliver to laboratory as needed. Samples will be analyzed for Nitrate/Nitrite Nitrogen, Ortho-phosphorous, Total Phosphorous, Total Suspended Solids, E. coli, and other parameters as deemed necessary. A Maximum fourteen (14) grab samples, with representative baseflow and storm events will be collected at each site.
4. Conduct routine flow rating to ensure a statistically valid rating curve is established at each site;
5. Conduct bi-weekly lake sampling on three lakes (Courthouse, Brickyard and Firemen's). The lakes will be sampled as part of and according to the protocols of the Metropolitan Councils CAMP (citizen aided monitoring program);

6. Conduct Seminary Fen well site visits as deemed necessary to obtain manual well water level measurements and conduct data downloads. Flow rating and measurement at the Assumption Creek site will follow protocol as outlined above.
7. Provide LMRWD with yearly updates and related reports for four stream sites (three on East Chaska Creek and one on West Chaska Creek) and three lakes (Courthouse, Brickyard and Firemen's);
8. Provide partner agencies (MNDNR, Met Council, Cities of Chaska & Chanhassen) with data as requested.

Education:

1. Provide public education and outreach to citizens, staff, developers, contractors, decision makers, and students within the LMRWD boundary area in Carver County
2. Provide the LMRWD with updates and reports as requested.

LMRWD

1. Provide the County with monetary fund's **not to exceed**; \$33,000 in 2023, \$34,500 in 2024, \$36,000 in 2025, \$37,500 in 2026, and \$39,000 in 2027. These funds help to cover staff cost (\$50.00/hr), lab analysis and annual reporting for three stream sites on East Chaska Creek, one site on West Chaska Creek, monitoring and reporting for three lakes, and monitoring and reporting for the well sites and Assumption Creek stream site within the Seminary Fen. A final invoice reflecting actual lab and labor costs will be submitted to the LMRWD in December (or as soon as they are available) of each year.

II. AGREEMENT REVISIONS

The appropriate representatives from Carver County and the Lower Minnesota River Watershed District will meet as deemed necessary to review this agreement and identify areas needing improvement. The MOA may be modified as directed by and upon written mutual agreement of the appropriate Carver County and LMRWD authority. Specific issues may be addressed through addendums to the original MOA.

III. TERMS OF AGREEMENT {Project Activity Period}

This agreement shall remain in effect for five (5) years beginning January 1, 2023 and terminating December 31, 2027 unless acted upon according to Section IV below. This MOA may be modified as directed by and upon written mutual agreement of all appropriately authorized parties as indicated in Section II above.

IV. PREMATURE TERMINATION OF AGREEMENT

This agreement may be terminated by any party. When any party wishes to terminate the agreement, the other party must receive notice thirty (30) days prior to the proposed termination date. Termination shall be effective thirty (30) days after all authorized parties have mutually

agreed to termination. Termination may occur in a shorter timeframe by the mutual agreement of all authorized parties.

V. EQUAL EMPLOYMENT OPPORTUNITY AND AFFIRMATIVE ACTION

The parties agree to comply with all applicable laws relating to nondiscrimination and affirmative action. The parties agree not to discriminate against any employee, applicant for employment or participant in this project because of race, color, creed, religion, national origin, sex, marital status, status with regard to public assistance, membership or activity in a local civil rights commission, disability, sexual orientation, or age; and further agrees to take action to ensure that applicants and employees are treated equally with respect to all aspects of employment, including rates of pay, selection for training, and other forms of compensation.

VI. INDEPENDENT CONTRACTOR

- a. Nothing contained in this Agreement is intended or should be construed as creating the relationship of co-partners or joint ventures with the County. No tenure or any rights including worker's compensation, unemployment insurance, medical care, sick leave, vacation leave, severance pay, PERA, or other benefits available to County employees, including indemnification for third party personal injury/property damage claims, shall accrue to the Contractor or employees of the Contractor performing services under this Agreement.
- b. Contractor acknowledges and agrees that no withholding or deduction for State or Federal income taxes, FICA, FUTA, or other, will be made from the payments due Contractor and it is Contractor's sole obligation to comply with all federal and state tax laws.

VII. INDEMNIFICATION AND INSURANCE

Each party shall be liable for its own acts to the extent provided by law and hereby agrees to indemnify, hold harmless and defend the other, its officers and employees against any and all liability, loss, costs, damages, expenses, claims or actions, including attorney's fees which the other, its officers and employees may hereafter sustain, incur or be required to pay, arising out of or by reason of any act or omission of the party, its agents, servants or employees, in the execution or performance or failure to adequately perform its obligations pursuant to this Agreement. It is understood and agreed that the parties' liability shall be limited by the provisions of Minn.Stat.Chap.466 and/or other applicable law.

VIII. MERGER

It is understood and agreed that the entire Agreement between the parties is contained herein, and that this Agreement supersedes all oral agreements and negotiations between the parties relating to the subject matter. All items referred to in this Agreement

are presumed to be incorporated or attached and are deemed to be part of this Agreement.

IX. HEALTH AND SAFETY

The Contractor shall be solely responsible for the health and safety of its employees and subcontractor's employees in connection with the services performed in accordance with this Agreement. The Contractor shall ensure that all employees, including those of all subcontractors, have received training required to properly and safely perform services outlined in this Agreement. Such training is to include, but not be limited to, all applicable sections of the State and Federal Occupation, Safety and Health Administration (OSHA) laws, Superfund Amendments and Reauthorization Act (SARA), Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), Uniform fire Code and/or any other applicable health and safety regulations. Upon the request of the County, the Contractor shall provide copies of any licenses and/or training records for contractor and/or contractor's employees or subcontractor's employees who perform services pursuant to this Agreement.

X. NONWAIVER, SEVERABILITY & APPLICABLE LAWS

1. Non-waiver.

Nothing in this Agreement shall constitute a waiver by the County of any statute of limitations or exceptions on liability.

2. Severability.

If any part of this Agreement is rendered void, invalid or unenforceable such rendering shall not affect the remainder of this Agreement unless it shall substantially impair the value of the entire Agreement with respect to either party. The parties agree to substitute for the invalid provision a valid provision that most closely approximates the intent of the invalid provision.

3. Applicable Laws.

The Laws of the State of Minnesota shall apply to this Agreement.

XI. SIGNATURES

The below signed individuals, acting on behalf of their respective organizations, provide authority to the Carver County Public Health and Environment, Lower Minnesota River Watershed District to undertake the program described here-in under the provisions put forth within this Memorandum of Agreement.

Carver County

Date: _____

By: _____

Name: _____

Title: _____

Lower Minnesota River Watershed District

Date: _____

By: _____

Name: _____

Title: _____



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, December 14, 2022

Agenda Item

Item 5. A. – 2021 Annual Report

Prepared By

Linda Loomis, Administrator

Summary

MN Statute 103D.351 requires watershed districts to prepare a yearly report. The 2021 LMRWD Annual Report is complete and can be found using the link below. If the Board is satisfied with the report, the Board should approve the report, and should authorize distribution.

Attachments

[2021 LMRWD Annual Report](#)

Recommended Action

Motion to approve the 2021 LMRWD Annual Report and authorize distribution



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, December 14, 2022

Agenda Item

Item 6. E. – Watershed Management Plan

Prepared By

Linda Loomis, Administrator

Summary

The workplan for 2023 activities by the LMRWD is attached for the Board's review. The workplan corresponds to the Plan and the 2023 Budget.

The Board should approve the plan if it is acceptable and authorize implementation.

Attachments

Lower Minnesota River Watershed District—Projects and Programs Workplans

Recommended Action

Motion to approve plan and authorize implementation

Technical Memorandum

| | |
|--------------|---|
| To: | Linda Loomis, Administrator Lower Minnesota River Watershed District |
| From: | Della Schall Young, CPESC, PMP Owner/Principal Scientist |
| Date: | December 9, 2022 |
| Re: | Lower Minnesota River Watershed District—Projects and Programs Workplans |

Below and attached are workplans for projects and programs specified in the recently amended Implementation Section of the LMRWD Watershed Management Plan for the 2023 calendar year.

1. Municipal (LGU) and Individual Projects Permit Programs

Municipal LGU permits: During 2022, the city of Burnsville was conditionally approved for its LGU permit on the condition of reconciliation of outstanding items for Rule D: Stormwater Management and Rule F: Steep Slopes. The plan for 2023 is to coordinate with Savage, Chanhassen, and the Metropolitan Airports Commission (MAC) to get their LGU permits. The District will also complete a Rule A: Administrative and Procedural Requirements specified audit of LGU permit holders that have had their permits for more than a year. This includes Eagan, Mendota Heights, Bloomington, Carver, and Shakopee.

The District has completed municipal coordination meetings with Chanhassen, Mendota, Eden Prairie, Carver, Savage, and Bloomington. The purpose of these meetings is to continue the established collaboration and information-sharing framework, to review recent and upcoming LMRWD and city projects and programs, and to assess resources and leverage on projects that protect or enhance natural resources. The District will meet with Burnsville, Chaska, Lilydale, MAC, and Shakopee the week of December 12, 2022.

Individual project permits: As of Friday, December 2, 2022, the District had processed 41 rules review requests. Attached is a table (Table 1) showing a

breakdown of requests (see also the attached illustration, Figure 1). In 2022, for the first time since the adoption of the District's rules in 2020, the District inspected 38 individual permits. The purpose of the inspections was to confirm compliance with the District's rules during and after the construction of permitted projects.

In 2023, the District will continue to permit individual projects in cities without their LGU permits, MnDOT projects, and LGUs that have opted to have the District maintain specific rules. The plan is to continue project inspection activities next summer and refine the permitting data management system to enhance efficiency and access to the permit information.

2. Education and Outreach (E&O) Program

The 2023 workplan includes continuing management of the citizen advisory committee, social media activities, signage design and placement, school engagement efforts, and partnerships for community outreach and engagement activities. The E&O program's 2022 summary and 2023 workplan allocating \$66,250 are attached as separate documents.

3. CIPs are listed below, and workplans are attached.

- a. Area 3 Stabilization Project—The workplan for this project was approved earlier this year and is underway. The 60 percent plan set and preliminary engineer's cost estimate are on target for completion in January 2023, supporting the District's legislative agenda.
- b. Fen Stewardship Plan—The development of stewardship plans for the District's calcareous fens was recommended in the Fens Sustainability Gaps Analysis for Carver, Dakota, and Scott Counties Minnesota 2020 Report. These plans will build on the information generated and develop specific management strategies for continued protection and preservations of these valued resources. The workplan for this project allocates \$75,000 to the development of fen stewardship programs for Savage and Gun Club Fens and implementation strategies highlighted in the recently completed Seminary Fen Stewardship Plan.
- c. Dredge Management Site—The workplan for this project is not attached but is consistent with the work on the culvert and road submitted to the state of Minnesota for the appropriation. The culvert assessment has been completed and the replacement recommendation shared with the board and accepted. The next steps to be completed in 2023 include culvert upgrade and road improvements, using the District's engineering pool.

- d. Gully Inventory and Condition Assessment—Previously, the District completed gully inventory and condition assessment projects in 2020 and 2021. The goals of the projects were to revisit past sites, identify new erosion sites, and make recommendations for future field work and conditions assessments of high-priority gullies located within the District. In 2023, the District will revisit sites with medium to high erosion potential; continue to coordinate with city partners and other potential stakeholders to review findings; discuss high-priority sites; and strategize ways to stabilize gullies, repair outfalls, and prevent sediment from entering the Minnesota River. The project also includes a feasibility study of the Richard T. Anderson site. The workplan for this project allocates \$90,500.
- e. Minnesota River Floodplain Modeling Project—The update of the district-wide hydrologic model was recommended in the 2022 Lower Minnesota River Floodplain Model Feasibility Study. The District plans to create revised floodplain mapping to allow for better predictions of flood stages within the LMRWD and evaluate the effects of urban development and climate change on the river’s hydrology in partnership with cities within the District. The workplan for this project allocates \$85,632.
- f. Spring Creek (City of Carver)—The District has completed a Spring Creek Hydrology Review, site assessments of Spring Creek, and gully assessments located within Spring Creek’s channel and valley wall. The previous hydrology review consisted of three properties: 112 5th Street West (Site 1), 404 Broadway Street (Site 2), and 116, 4th Street (Site 3). The previous assessments of Spring Creek have led to the workplans described below:
 - i. Spring Creek Site 1 and 2 Design and Construction Stabilization Project—The District will work with a consultant from the consulting pool to develop final construction plans for the stabilization of Sites 1 and 2 and vegetation management strategies.
 - ii. Spring Creek Site 3 Design Feasibility Study—Site 3 was identified during the Spring Creek Hydrology review and prioritized as a top at-risk site for erosion due to the near vertical bank. However, a stabilization design has not yet been developed. The workplan focuses on completing a feasibility study and conceptual design in partnership with the landowner and the Carver Soil and Water Conservation District to determine the best approach to stabilize the area.

Table I: LMRWD Permit Program Summary — December 7, 2022



| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|------------|---|-------------------------|------------------------|------------------------|---------------|--------------------------------------|------------------|----------------------|-----------|---------------------|---------------|------------------------|-----------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |
| 2020-105 | Freeway Landfill Expansion | Burnsville | Pre-Permit | - | 8/19/2022 | | 9/21/2022 | | | | | | | | |
| 2021-022 | 2021 Safety and Security Center | Fort Snelling | Active Permit | - | 5/18/2021 | 10/29/2021 | - | 11/17/2021 | - | - | 3/18/2022 | 3/18/2023 | - | 7/20/2022 | - |
| 2021-023 | 106th St Improvements | Bloomington | Active Permit | - | 5/25/2021 | 5/28/2021 | - | 6/2/2021 | - | - | 6/17/2022 | 6/17/2022 | 4/20/2022 | 7/28/2022 | - |
| 2021-025 | TH 13 | Savage | Active Permit | - | 6/11/2021 | 6/15/2021 | - | 2/16/2022 | - | - | 5/20/2022 | 5/20/2023 | - | 7/13/2022 | - |
| 2021-030 | Building Renovation Park Jeep | Burnsville | Active Permit | - | 7/9/2021 | 7/16/2021 | - | 9/15/2021 | | - | 6/21/2022 | 6/21/2023 | - | - | - |
| 2021-033 | Minnesota MASH & 130th St Extension | Savage | Active Permit | 6/23/2021 | 9/17/2021 | - | - | - | 6/15/2022 | - | 6/17/2022 | 6/17/2023 | - | - | - |
| 2021-035 | I35W Frontage Trail | Burnsville | Active Permit | - | 12/15/2021 | 12/22/2021 | - | 1/19/2022 | - | - | 11/3/2022 | 11/3/2023 | - | - | - |
| 2021-040 | Canterbury Independent Senior Living | Shakopee | Active Permit | - | 8/11/2021 | 8/19/2021 | - | 9/15/2021 | 9/15/2022 | - | 8/19/2022 | 10/1/2023 | - | 7/26/2022 | - |
| 2021-057 | Cliff Road Ramp | Burnsville | Active Permit | - | 12/14/2021 | 1/4/2022 | - | 1/19/2022 | - | - | 6/8/2022 | 6/8/2023 | - | 7/13/2022 | - |
| 2021-058 | MAC Gate Security Improvements | Fort Snelling | Active Permit | - | 12/15/2021 | 12/16/2021 | - | 1/19/2022 | - | - | 4/27/2022 | 4/27/2023 | - | 7/28/2022 | - |
| 2022-001 | Centerpoint Shakopee Piggery | Shakopee | No Permit Required | - | 1/12/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-002 | 2022 MBL Nicollet River Crossing | Bloomington, Burnsville | Active Permit | - | 1/18/2022 | - | - | 3/16/2022 | - | - | 4/25/2022 | 4/25/2023 | - | - | - |
| 2022-003 | Ivy Brook Parking East | Burnsville | Active Permit | - | 1/19/2022 | 2/25/2022 | - | 3/16/2022 | - | - | 5/16/2022 | 5/16/2023 | - | - | - |
| 2022-004 | CHS Savage Terminal | Savage | Incomplete | - | 1/27/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-005 | Chaska West Creek Apartments | Chaska | Incomplete | - | 2/8/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-006 | Quality Forklift | Shakopee | No Permit Required | - | 2/10/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-007 | Engineered Hillside | Eden Prairie | Active Permit | - | 2/15/2022 | 3/14/2022 | - | - | 4/20/2022 | - | 4/21/2022 | 4/21/2023 | - | - | - |
| 2022-008 | Ivy Brook Parking West | Burnsville | Active Permit | - | 2/16/2022 | 2/25/2022 | - | 3/16/2022 | - | - | 5/31/2022 | 5/31/2023 | - | - | - |
| 2022-010 | Quarry Lake Pedestrian Bridge and Trail | Shakopee | Conditional Approval | - | 2/24/2022 | - | - | 4/20/2022 | - | - | - | - | - | - | - |
| 2022-011 | Biffs Inc. | Burnsville | Active Permit | - | 2/28/2022 | 3/29/2022 | - | 4/20/2022 | - | - | 8/16/2022 | 8/16/2023 | - | - | - |
| 2022-012 | Quarry Lake Park Improvements - Roadway and Boat Launch | Shakopee | Cancelled by Applicant | - | 3/17/2022 | - | - | - | - | 5/24/2022 | - | - | - | - | - |
| 2022-013 | Normandale & 98th Intersection Improvements | Bloomington | Active Permit | - | 3/22/2022 | 4/1/2022 | - | 4/20/2022 | - | - | 4/22/2022 | 4/22/2023 | - | - | - |
| 2022-014 | TH 41/CSAH 61 Improvements | Chaska | Conditional Approval | 2/16/2021; 1/6/2022 | 3/23/2022 | 5/11/2022 | - | 5/18/2022 | - | - | - | - | - | - | - |
| 2022-015 | Xcel Driveway | Shakopee | Incomplete | - | 4/20/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-016 | Organic Recycling Facility Relocation | Louisville Township | Incomplete | - | 4/20/2022 | - | - | - | - | - | - | - | - | - | - |



Table I: LMRWD Permit Program Summary — December 7, 2022



| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|------------|---|-----------------------|------------------------------|--------------------|---------------|--------------------------------------|------------------|----------------------|-----------|---------------------|---------------|------------------------|---------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |
| 2022-017 | PLOC Channel Stabilization | Shakopee | Active Permit | - | 6/30/2022 | 7/5/2022 | - | - | 7/20/2022 | - | 7/21/2022 | 7/21/2023 | - | - | - |
| 2022-018 | Lakota Lane | Chanhausen | Under Review | - | 4/19/2022 | - | 5/18/2022 | - | - | - | - | - | - | - | - |
| 2022-019 | TH 494 SP 2785-433 | Eagan and Bloomington | Conditional Approval | - | 4/21/2022 | 6/24/2022 | - | 7/20/2022 | - | - | - | - | - | - | - |
| 2022-020 | New Century School | Bloomington | No Permit Required | - | 4/28/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-021 | Oak St N (CenterPoint Energy) | Chaska | Active Permit | - | 4/29/2022 | - | - | - | 6/15/2022 | - | 6/17/2022 | 6/17/2023 | - | - | - |
| 2022-022 | Ace Rent A Car | Fort Snelling | Incomplete | - | 5/10/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-023 | 494 Corridors of Commerce | Fort Snelling | Pre-Permit | 5/3/2022 | 5/19/2022 | - | 7/20/2022 | - | - | - | - | - | - | - | - |
| 2022-024 | Gedney Pickles Holding Pond Restoration | Chanhausen | Active Permit | 6/16/2022 | 8/10/2022 | - | - | 9/21/2022 | - | - | 11/14/022 | 11/14/2023 | - | - | - |
| 2022-025 | 10561 E Riverview Drive | Eden Prairie | No Permit Required | - | 6/22/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-026 | 10521 Spyglass Drive | Eden Prairie | Active Permit | 5/31/2022 | 7/13/2022 | 8/8/2022 | - | - | 7/20/2022 | - | 8/8/2022 | 8/8/2023 | - | - | - |
| 2022-027 | Ivy Brook Parking Northeast | Burnsville | Active Permit | - | 7/5/2022 | - | - | 8/17/2022 | - | - | 8/31/2022 | 8/31/2023 | - | - | - |
| 2022-028 | Quarry Lake Park Restroom | Fort Snelling | Active Permit | - | 7/6/2022 | 7/8/2022 | - | 7/20/2022 | - | - | 7/22/2022 | 7/22/2023 | - | - | - |
| 2022-029 | Reliakor | Shakopee | Closed | - | 7/20/2022 | - | - | 8/17/2022 | - | - | 9/19/2022 | 9/19/2023 | - | - | 10/28/2022 |
| 2022-030 | Frenchies Metals | Chaska | Incomplete | - | 7/22/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-031 | RSI Marine (Great Plains Blvd) | Chanhausen | Pre-Permit | - | 7/18/2022 | - | 8/17/2022 | - | - | - | - | - | - | - | - |
| 2022-032 | PMP Street Maintenance | Bloomington | No Permit Required | - | 8/31/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-033 | Dred Scott Fields Area | Bloomington | No Permit Required | - | 8/31/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-034 | Valleyfair Parking Lot Expansion | Shakopee | Conditional Approval | - | 9/26/2022 | 10/11/2022 | - | 10/19/2022 | - | - | - | - | - | - | - |
| 2022-035 | Concourse G Infill Pods 2-3 EAW Review | Fort Snelling | No Permit Required | - | 9/30/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-036 | Structures, Inc. | Chaska | <i>Conditional Approval*</i> | - | 10/6/2022 | 12/2/2022 | - | 12/14/2022* | - | - | - | - | - | - | - |
| 2022-037 | Peterson Wetland Bank | Eden Prairie | Pre-Permit | - | 10/3/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-038 | Xcel Energy Line 5516 | Chaska | No Permit Required | - | 10/14/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-039 | Former Knox Site | Burnsville | Under Review | - | 11/3/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-040 | Burnsville Sanitary Landfill | Burnsville | Under Review | - | 11/21/2022 | - | - | - | - | - | - | - | - | - | - |



Table 1: LMRWD Permit Program Summary — December 7, 2022



| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|------------|--------------|------|--------|--------------------|---------------|--------------------------------------|------------------|----------------------|----------|---------------------|---------------|------------------------|---------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |

STATUS DEFINITIONS:

Active Permit: Applicant has a valid permit issued by LMRWD

Cancelled by Applicant: Applicant withdrew their application for a LMRWD permit

Closed: Applicant has indicated the project has completed construction and that the permit file may be closed

Conditional Approval: LMRWD managers conditionally approved the permit application, pending receipt of additional information from applicant

Expired: Applicant either obtained conditional approval, approval, and/or was issued a permit and the expiration date has passed

Incomplete: Applicant applied for a permit, but the application is incomplete

No Permit Required: Applicant applied for a permit, but during the completeness review, it was determined that the project did not trigger the regulatory thresholds

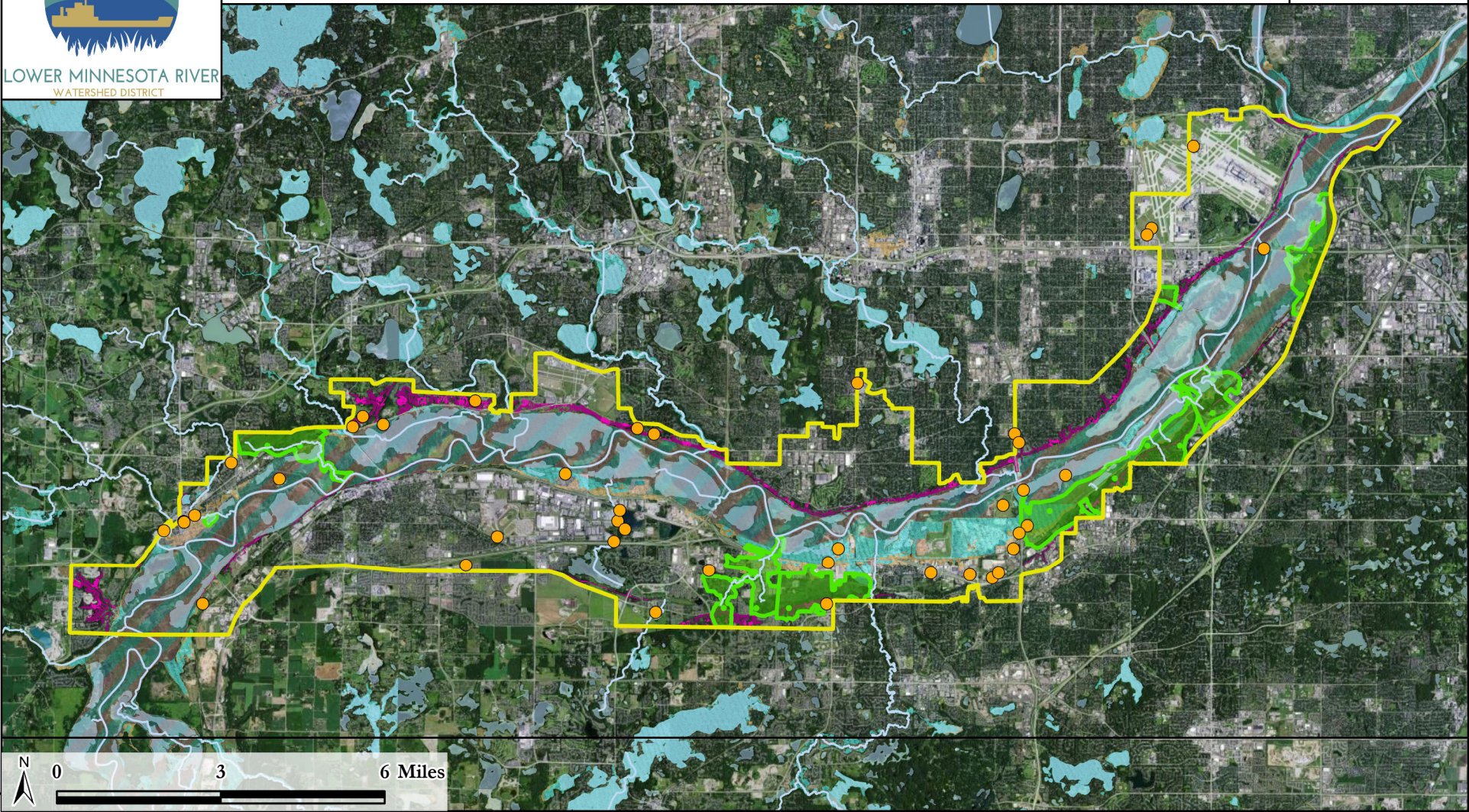
On Hold: Applicant requested their application be placed on hold

Pre-Permit: Applicant has requested pre-permit application reviews or meetings, but has not yet applied for a permit from LMRWD

Under Review: Permit application is complete and under review by LMRWD staff

** Staff recommendation only, has not yet been presented to the Board for action*

2022 Permit Reviews



Legend

| | | |
|----------------------|------------------------------|-----------------------|
| LMRWD Active Permits | High Value Resource Area | 500-yr Floodplain |
| LMRWD Boundary | Steep Slope Overlay District | Floodway |
| Public Waters | 100-yr Floodplain | Levee Floodplain Area |
| Public Waterbodies | | |

Location Map

Projects \LMRWD \Municipal Oversight \GIS Maps

Technical Memorandum

To: Linda Loomis, Administrator
Lower Minnesota River Watershed District

From: Jen Dullum, Education and Outreach Coordinator
Della Schall Young, CPESC, PMP

Date: December 1, 2022

Re: Lower Minnesota River Watershed Education and Outreach—2022 Year-End
Activities Summary

Young Environmental Consulting Group LLC (Young Environmental) continues to administer the Lower Minnesota River Watershed District's (LMRWD's) public education and outreach program. The following presents a summary of project activities undertaken and completed in 2022, as presented in the work plan approved by the LMRWD's managers in August 2021.

Citizen Advisory Committee

Young Environmental continues to support the Citizen Advisory Committee (CAC). Support for the CAC includes preparing meeting agendas and minutes, securing educational presentations, creating educational materials, attending local events, and increasing membership. Below is a list of completed activities.

- 1) Recruitment Search
 - a. March 2022—Young Environmental sent targeted recruitment materials to 11 partner cities and counties.
 - b. September 2022—Young Environmental posted recruitment notice to a metro water resource educator message board hosting nearly 300 members.
 - c. Young Environmental shared quarterly postings on the LMRWD social media platforms.

Recruitment has proven difficult. Because of this, in 2023, Young Environmental will continue working with local partners and will increase its postings on social media to encourage participation in the CAC. In addition, information about joining the CAC will be brought to local

tabling events, and CAC members will be asked to reach out to interested contacts. Other recruitment methods may be developed throughout 2023.

2) Monthly Membership Meetings

The CAC held monthly meetings virtually January through April. From May through October, in-person meetings took place at various sites within the LMRWD. Meetings returned to the virtual space in November. Young Environmental drafted agendas and meeting minutes and secured presenters and on-site meeting locations.

Website

As part of the 2022 work plan, Young Environmental has been editing and updating the LMRWD's website per solicited comments received from the CAC and three watershed management organization education and outreach/communications professionals. Edits and updates have been ongoing through 2022. Below is a chronological outline of milestones to date:

- 1) March 2022—Young Environmental shared the first round of edits with the LMRWD Administrator and completed those edits by April 8, 2022. Edits included grammar, date updates, and formatting changes.
- 2) September 2022—the *Additional Resources* webpage was changed to [Educational Resources](#) and developed with Educator Mini-Grants Program. Handouts were developed through the CAC. Links were populated for additional educational learning.
- 3) November 2022—Young Environmental published the [I Am a Resident](#) page, containing handouts developed by the CAC and links for additional resources.

Social Media

The social media content is generated quarterly and shared with the managers and administrator. The year-to-date analytics are in Attachment A. Young Environmental continues to manage the LMRWD's social media presence on Facebook, Instagram, and Twitter. Although we will continue with our social media plan, we question the analytics and their ability to describe the true nature of our impact. Young Environmental plans to coordinate with other watershed districts to assess social media outreach and engagement strategies.

LMRWD Signage

Young Environmental continued work on interpretive signs near high-value resource areas and at LMRWD project sites. Signs were developed and installed at two sites: East Chaska Creek and Eagle Creek/Savage Fen. Below is a list of completed activities in chronological order.

- 1) March 2022—East Chaska Creek and Eagle Creek/Savage Fen interpretive signs finalized and sent to Studio Lola for fabrication
- 2) Spring 2022—Both signs installed

- 3) November 2022—Additional interpretive sign locations were investigated. Those locations include Quarry Lake, Courthouse Lake, Black Dog Fen, Gun Club Lake Fen, and Ike's Creek. Based on responses from partners, Black Dog Fen and Gun Club Lake Fen are not viable options. Staff continues to investigate Quarry Lake, Courthouse Lake, and Ike's Creek with partners.

Flying Cloud Drive/CSAH 61 at Riley Creek remains a potential location. Staff is coordinating with Hennepin County and Riley Purgatory Bluff Creek Watershed District on this effort.

We also met with Dakota County Parks for potential signage opportunities along the Minnesota River Greenway/Big Rivers Regional Trail. Conversations are ongoing.

Schools and NGO Engagement

Young Environmental continued outreach to local schools and nongovernmental organizations. Below is a chronological outline of progress to date.

Schools

- 1) Coordination is ongoing with the Dakota County Soil and Water Conservation District (SWCD), LMRWD, and the City of Burnsville about programming at Burnsville High School.
 - a. April 2022—Young Environmental, Dakota SWCD, City of Burnsville, and staff from Burnsville Public Schools met to further dial in programming needs.
 - b. July 2022—Young Environmental, Dakota SWCD, and City of Burnsville met at Burnsville High School to determine on-site educational opportunities for students because the school is not yet participating in field trips. The group developed a draft learning plan and will share it with school staff.
 - c. December 2022—A meeting with Burnsville Public School staff took place to flesh out details has been proposed, including an on-campus stormwater pond monitoring program protocol, equipment needs, and an accompanying classroom curriculum.
- 2) Young Environmental received communication from Normandale Hills Elementary Schools regarding programming opportunities. Nine Mile Creek Watershed District (Nine Mile), the local watershed district of the school, was brought into this conversation.
 - a. March 2022—Young Environmental and Nine Mile met to determine partnership opportunities and roles.
 - b. April 2022—Young Environmental, Nine Mile, and staff from Bloomington Public Schools and Normandale Hills Elementary met to discuss potential educational opportunities for the 5th grade. Young Environmental supported Nine Mile Creek

in three 30-minute sessions on April 19 in three science classes at Normandale Hills. The presentations and activities centered around the water cycle and watersheds.

- 3) May 2022—Young Environmental received communication from Jefferson High School regarding programming opportunities. The teacher, Jon Leverenz, is interested in the River Watch program, and we put him in contact with the River Watch program.
- 4) May 2022—Young Environmental contacted 18 schools not supported by other watershed management organizations to discuss potential needs, which may include in-school speakers, field trips, science equipment, and classroom books. The schools contacted are attached. These conversations inspired the creation of the Educator Mini-Grant Program.
- 5) Summer-Fall 2022—Young Environmental developed the Educator Mini-Grant Program. This program is designed to assist local educators and to further the LMRWD's mission and goals of water quality restoration, groundwater conservation, and wildlife connectivity while increasing public awareness of the Minnesota River and its unique natural resources with mini-grants of up to \$500. The program, with a budget of \$5,000, was considered and approved in September by the Board of Managers. Over 100 schools and other educators and organizations providing education were contacted by Young Environmental about this program. Two local educators applied for the grant.
- 6) November 2022—The first round of Educator Mini-Grants Program awards was approved by the Board of Managers. Seventh grade science teacher Shannon Lee from Black Hawk Middle School was awarded \$500 for wetland monitoring equipment and identification books, and high school biology teacher Jon Leverenz from Jefferson High School was awarded \$300 for transportation and equipment costs associated with the River Watch Program.

Community Outreach Engagement

- 1) March 2022—Young Environmental developed criteria for tabling at local events.
- 2) May 2022—Young Environmental sent email correspondence to nine nature centers/nonprofit organizations asking to meet to discuss partnership opportunities. Several partners responded, including the Minnesota Valley National Wildlife Refuge, the Izaak Walton League, Dakota County, and Carver County, to discuss partnership opportunities. These entities are open to future partnerships.
- 3) Young Environmental continues to enhance LMRWD materials for tabling events, including by doing the following:
 - a. Young Environmental developed a trifold poster board to bring to local events describing the LMRWD cost-share program along with information on rain gardens, native plants, rain barrels, and winter salt use.

- b. Young Environmental also worked with a local vendor on a table skirt for future events.
 - c. Young Environmental has coordinated with neighboring watershed districts and watershed management organizations on borrowing protocol for tabletop displays for outreach events.
- 4) Tabling Events

Members of the CAC attended local events this year, including the Dakota County Fair, Carver County Fair, and Scott County Outdoor Education Days.

5) Other

The Minnesota Pollution Control Agency (MPCA) reached out to partners asking for assistance to find venues to host its Salt Dilemma Display and We Are Water Exhibit. In an attempt to help, Young Environmental reached out to eight partner cities (Bloomington, Burnsville, Chanhassen, Chaska, Eagan, Eden Prairie, Savage, and Shakopee) and two counties (Carver and Scott). We did not identify a location but will continue to assist when requested to support the MPCA in this effort.

Recommendations

Based on 2022 activities, Young Environmental's recommendations are reflected in the proposed 2023 workplan.

Facebook

96 followers | 70 pages like our page

| | | | |
|-----|-----------|-----------|--------------|
| Q1 | Avg Reach | Avg Likes | Avg Comments |
| | 57 | 2 | 0 |
| Q2 | Avg Reach | Avg Likes | Avg Comments |
| | 36 | 1 | 0 |
| Q3 | Avg Reach | Avg Likes | Avg Comments |
| | 41 | 1 | 0 |
| Q4* | Avg Reach | Avg Likes | Avg Comments |
| | 28 | 1 | 0 |

*as of December 1, 2022

Reach: the number of people who saw any content from your Page or about your Page. This metric is estimated.

Best Performing Facebook Posts 2022

| | Reach | Likes | Comments |
|---------------------------------|-------|-------|----------|
| Adopt A Drain* | 383 | 15 | 0 |
| National Invasive Species Week* | 470 | 4 | 3 |
| Rain Barrels* | 199 | 7 | 0 |
| Explore Scavenger Hunt* | 127 | 1 | 0 |
| Summer Solstice* | 224 | 3 | 0 |
| Steep Slopes* | 202 | 1 | 0 |
| Lawn Mowing* | 132 | 1 | 0 |
| Sweep Up Grass Clippings* | 276 | 4 | 0 |
| First Day of Fall* | 227 | 5 | 0 |

*shared by others

Instagram
165 followers

| | | | |
|-----|-----------|-----------|--------------|
| Q1 | Avg Reach | Avg Likes | Avg Comments |
| | 36 | 4 | 0 |
| Q2 | Avg Reach | Avg Likes | Avg Comments |
| | 20 | 3 | 0 |
| Q3 | Avg Reach | Avg Likes | Avg Comments |
| | 18 | 2 | 0 |
| Q4* | Avg Reach | Avg Likes | Avg Comments |
| | 22 | 2 | 0 |

*as of December 1, 2022

Reach: the number of people who saw any content from your Page or about your Page. This metric is estimated.

Best Performing Instagram Posts 2022

| | Reach | Likes | Comments |
|-------------------------------------|-------|-------|----------|
| Trash on Ice* | 70 | 9 | 0 |
| Snow and Ice Removal* | 57 | 8 | 1 |
| Chloride* | 54 | 5 | 0 |
| National Invasive Species Week* | 51 | 3 | 0 |
| Stream Trout Fishing Opener | 37 | 3 | 3 |
| Savage Interpretive Sign | 40 | 7 | 0 |
| Rain Barrel | 41 | 3 | 0 |
| Adopt-A Drain | 32 | 5 | 0 |
| East Chaska Creek Interpretive Sign | 57 | 6 | 0 |

*shared by others

Twitter

76 followers

| Q1 | Impressions | Engagements | Likes | Link Clicks | Retweets |
|-----|-------------|-------------|-------|-------------|----------|
| | 80 | 5 | 2 | 1 | 0 |
| Q2 | Impressions | Engagements | Likes | Link Clicks | Retweets |
| | 82 | 4 | 2 | 1 | 1 |
| Q3 | Impressions | Engagements | Likes | Link Clicks | Retweets |
| | 66 | 9 | 6 | 2 | 6 |
| Q4* | Impressions | Engagements | Likes | Link Clicks | Retweets |
| | 19 | 1 | 0 | 0 | 0 |

*as of December 1, 2022

Impressions: how many total times a Tweet has been seen.

Engagements: Total number of times a user interacted with a Tweet. Clicks anywhere on the Tweet, including retweets, replies, follows, likes, links, hashtags, etc.

Best Performing Tweets 2022

| | Impressions | Engagements | Likes | Link Clicks | Retweets |
|------------------------------|-------------|-------------|-------|-------------|----------|
| Snow and Ice Removal | 158 | 12 | 2 | 1 | 3 |
| Chloride | 160 | 14 | 6 | 2 | 1 |
| Fix a Leak Week | 221 | 2 | 1 | 0 | 0 |
| Fishing Opener | 179 | 3 | 2 | 1 | |
| Rain Barrels* | 361 | 12 | 2 | 2 | 2 |
| Storm Drains | 195 | 6 | 5 | 1 | |
| Turf Grass | 139 | 6 | 4 | | |
| National Water Quality Month | 380 | 45 | 34 | 2 | 9 |
| AIS* | 228 | 15 | 4 | | 2 |

*profile click

Schools and NGO Engagement

4) School contacted without other supporting watershed district/watershed management organization

| School | Watershed District | School District | County |
|------------------------------------|---------------------------|------------------------|---------------|
| Black Hawk Middle School | Gun Club Lake | 196 | Dakota |
| Burnsville Alternative High School | Gun Club Lake | 191 | Dakota |
| Dakota Hills Middle School | Gun Club Lake | 196 | Dakota |
| Deerwood Elementary School | Gun Club Lake | 196 | Dakota |
| Eagan High School | Gun Club Lake | 196 | Dakota |
| Glacier Hills Elementary School | Gun Club Lake | 196 | Dakota |
| Northview Elementary School | Gun Club Lake | 196 | Dakota |
| Oak Ridge Elementary School | Gun Club Lake | 196 | Dakota |
| Pilot Knob STEM Magnet | Gun Club Lake | 197 | Dakota |
| Pinewood Elementary School | Gun Club Lake | 196 | Dakota |
| Rahn Elementary School | Gun Club Lake | 191 | Dakota |
| Red Pine Elementary School | Gun Club Lake | 196 | Dakota |
| Thomas Lake Elementary School | Gun Club Lake | 196 | Dakota |
| Woodland Elementary School | Gun Club Lake | 196 | Dakota |
| Friendly Hills Middle School | Lower Mississippi River | 197 | Dakota |
| Mendota Elementary School | Lower Mississippi River | 197 | Dakota |
| Somerset Elementary School | Lower Mississippi River | 197 | Dakota |
| Two Rivers High School | Lower Mississippi River | 197 | Dakota |

LOWER MINNESOTA RIVER WATERSHED DISTRICT
2023 Public Education and Outreach Plan

Workplan—December 1, 2022

Summary

Outcome: 2023 Public Education and Outreach Plan

Project Partners: City partners, residents, and businesses of the District; US Fish and Wildlife Service; and nongovernmental organizations (NGOs); public and private schools

Timeline for Completion of Project: January–December 2023

Total Project Budget: 2023: \$66,250

Objective 1. Citizen Advisory Committee (CAC)

Task 1.1: Maintain a CAC of five members or more. Young Environmental will continue to search for CAC members using the LMRWD website and increased social media presence as well as through outreach at local tabling events. Current CAC members, municipal partners, and other groups within the District will also be asked to provide assistance in reaching interested members of the community.

Task 1.2: Plan and facilitate CAC meetings. Young Environmental will develop monthly meeting agendas with input from the District and the CAC. As part of agenda development, Young Environmental may also organize speakers and visits to projects and high-value resource sites at the request of the CAC.

Task 1.3: Monitor and assist the CAC. Young Environmental will draft a meeting summary or notes with the secretary, provide technical information, and support and host the virtual and in-person meetings.

Task 1.4: Develop educational materials as directed by the CAC. Over the course of the year, the CAC may need to have materials developed to convey the work of the LMRWD or to address recurring questions it has encountered. Young Environmental will draft up to four educational items as directed by the CAC and LMRWD administrator.

Deliverables: CAC membership roster, meeting agendas, summaries, CAC-guided educational materials
Estimated Budget: \$14,250

Objective 2. Social Media

Task 2.1: Maintain social media sites. District Facebook, Instagram, and Twitter accounts were established in 2021. Young Environmental will continue to build a following on the District's social media channels, create quarterly content calendars, and post content. Young Environmental will continue to gather and take photos of District resources for posting.

Deliverables: quarterly content calendar, weekly posting to social media accounts, monitoring and maintenance of accounts, image gathering

Estimated Budget: \$12,500

Objective 3. District Signage

Task 3.1: Signage. Young Environmental will continue to identify sites for District project and District resource signage and will make recommendations for proposed interpretive sign locations. Young Environmental will continue to work with local partners on locations and messaging and with the current signage contractor for design and fabrication. The Board of Managers will receive estimates for the cost of up to five signs.

Deliverables: recommendations for District sign locations, design and fabrication cost memorandum

Estimated Budget: \$9,000 (design and fabrication cost not included)

Objective 4. Schools Engagement

Task 4.1: Partnerships. Young Environmental will continue to explore education opportunities for students within our partner cities. Young Environmental will develop an education plan for interested partners for the 2023–24 academic year.

Task 4.2: Grant program. In 2022, Young Environmental developed the Educator Mini-Grant Program, providing schools, nonprofits, educators, and students with funding opportunities. As part of this program, Young Environmental will assist in evaluating proposals, awarding grants, and compiling reports and reimbursement requests. Young Environmental will also develop enhanced program promotion in 2023.

Deliverables: education plans, mini-grant promotion, website updates

Estimated Budget: \$11,000

Objective 5. Community Outreach and Engagement

Task 5.1: Partnership. Young Environmental will continue to evaluate existing and established education and/or sustainability program partnerships with local cities, counties, nonprofits, and NGOs in 2023.

Task 5.2: Local events. In 2022, Young Environmental developed criteria to help determine participation in events and programming. Young Environmental presented to the CAC a list of potential events and programs based on these criteria. Young Environmental will coordinate participation in events and programs as directed and will support the CAC in the events that meet those criteria.

Task 5.3: Tabling materials. Over the past two years, Young Environmental developed several handouts that may be brought to community tabling events. Based on guidance from the CAC, Young Environmental will continue to develop additional handouts and/or other materials and investigate the purchase of interactive displays and present cost findings to the board.

Deliverables: local event participation, handout development, interactive display memorandum

Estimated Budget: \$10,500

Objective 6. Website Assistance

Task 6.1: Website updates. In 2022, Young Environmental began populating water resource data for District water bodies on the District website. Young Environmental also made updates to the resident and education pages. Functionality updates are ongoing. Over the course of 2023, Young Environmental will continue to populate water resource data on the District's website along with updating the developer page and assisting the District with content management.

Deliverables: Develop website pages, update, and maintain website content

Estimated Budget: \$9,000

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Fen Stewardship Program

Workplan—December 1, 2022

The District, in partnership with the Minnesota Department of Natural Resources (MNDNR), will develop a fen stewardship program for the District's fens. The effort will review historical data, assess current conditions, and develop a road map for restoration, preservation, and protection of the District's fens. Stewardship plans or sustainability reports will be developed for all fens to effectively manage and protect these groundwater-dependent resources.

Summary

Outcome: The Fen Stewardship Plans for the Savage, Nicols, and Gun Club Fens will be developed in 2023. A portion of the funds from the Fen Stewardship Program will be reserved for implementation of the actions that are defined in the completed stewardship plans.

Project Partners: MNDNR, Metropolitan Council, City of Savage, City of Eagan, City of Mendota Heights

Timeline for Completion: January 2023–December 2023

Total Project Budget: \$75,000

Objective 1. Project Management

Task 1-1: Project Plan Development and Project Management. Finalize the workplan, assign project tasks, and determine whether additional resources are needed; set dates for deliverables; and generate and maintain project schedule.

Timeline for Completion: 6–12 months

Deliverables: Invoices and project updates

Estimated Budget: \$2,500

Objective 2. Savage Fen Stewardship Plan Development

Task 2-1: Stakeholder Engagement and Outreach. Young Environmental will coordinate two meetings with Savage Fen stakeholders in the development of the Savage Fen Stewardship Plan. The first meeting will be held to communicate the purpose of the stewardship plan and obtain data to inform the plan's development. A second meeting will be organized after the draft plan has been prepared to obtain feedback, which can include identifying opportunities for partnership and funding, and to finalize the plan's development.

Task 2-2: Complete the Fen Stewardship Plan. A stewardship plan will be developed for the Savage Fen. The outline for the stewardship plan will follow the same format as the previously developed Seminary Fen Stewardship Plan. The stewardship plan includes the validation of

existing data to further understand historical data and assess current conditions. It also includes the design of operational and future-oriented plans for protecting and restoring the fen.

Task 2-3: Story Map Development. A story map will be developed using ArcGIS to combine text, interactive maps and figures, and other multimedia content to educate various audiences on the history of the Savage Fen and current conditions. The final story map will be shared on the District's website.

Task 2-4: Board Presentation and Recommendations. The final stewardship plan will be presented to the board of managers, and recommendations for future actions will be discussed.

Timeline for Completion: 3–6 months

Deliverables: Agendas and meeting summaries, draft and final stewardship plans, and ArcGIS story map

Estimated Budget: \$20,000

Objective 3. Nicols Fen Stewardship Plan Development

Task 3-1: Stakeholder Engagement and Outreach. Young Environmental will coordinate two meetings with Nicols Fen stakeholders in the development of the Nicols Fen Stewardship Plan. The first meeting will be held to communicate the purpose of the stewardship plan and obtain data to inform the plan's development. A second meeting will be organized after the draft plan has been prepared to obtain feedback, which can include identifying opportunities for partnership and funding, and to finalize the plan's development.

Task 3-2: Complete the Fen Stewardship Plan. A stewardship plan will be developed for the Nicols Fen. The outline for the stewardship plan will follow the same format as the previously developed Seminary Fen Stewardship Plan. The stewardship plan includes the validation of existing data to further understand historical data and assess current conditions. It also includes the design of operational and future-oriented plans for protecting and restoring the fen.

Task 3-3: Story Map Development. A story map will be developed using ArcGIS to combine text, interactive maps and figures, and other multimedia content to educate various audiences on the history of the Nicols Fen and current conditions. The final story map will be shared on the District's website.

Task 3-4: Board Presentation and Recommendations. The final stewardship plan will be presented to the board of managers, and recommendations for future actions will be discussed.

Timeline for Completion: 3–6 months

Deliverables: Agendas and meeting summaries, draft and final stewardship plans, and ArcGIS story map

Estimated Budget: \$20,000

Objective 4. Gun Club Lake Stewardship Plan Development

Task 4-1: Stakeholder Engagement and Outreach. Young Environmental will coordinate two meetings with Gun Club Lake Fen stakeholders in the development of the Gun Club Lake Fen Stewardship Plan. The first meeting will be held to communicate the purpose of the stewardship plan and obtain data to inform the plan's development. A second meeting will be organized after the draft plan has been prepared to obtain feedback, which can include identifying opportunities for partnership and funding, and to finalize the plan's development.

Task 4-2: Complete the Fen Stewardship Plan. A stewardship plan will be developed for the Gun Club Lake Fen. The outline for the stewardship plan will follow the same format as the previously developed Seminary Fen Stewardship Plan. The stewardship plan includes the validation of existing data to further understand historical data and assess current conditions. It also includes the design of operational and future-oriented plans for protecting and restoring the fen.

Task 4-3: Story Map Development. A story map will be developed using ArcGIS to combine text, interactive maps and figures, and other multimedia content to educate various audiences on the history of the Gun Club Fen and current conditions. The final story map will be shared on the District's website.

Task 4-4: Board Presentation and Recommendations. The final stewardship plan will be presented to the board of managers, and recommendations for future actions will be discussed.

Timeline for Completion: 3–6 months

Deliverables: Agendas and meeting summaries, draft and final stewardship plans, and ArcGIS story map

Estimated Budget: \$20,000

Objective 5. Implementation of the Fen Stewardship Plan

Task 5-1: Coordination with the MNDNR. The potential land acquisition activity identified in the completed Seminary Fen Stewardship Plan will be initiated. This includes coordination with the MNDNR to map and assess the value of private properties adjacent to the Seminary Fen and to begin the process of acquisition. Young Environmental will organize two meetings with the MNDNR. The first meeting will be held to reaffirm or modify the scope of the work and review data needs, and the second meeting will include discussing findings and recommendations with MNDNR staff.

Task 5-2: Develop a Draft Technical Memorandum. The private property northeast of the scenic and natural area where Fen Site E was identified is a notably valuable resource and will be the emphasis of a land acquisition study. Young Environmental will investigate historical and current conditions, provide information on potential properties for acquisition, and prepare a draft technical memorandum to summarize the findings from this review to share with the MNDNR.

Task 5-3: Final Technical Memorandum. Submit the final technical memorandum to the District and the MNDNR, incorporating the written feedback from Task 4-1.

Timeline for Completion: 6–12 months

Deliverables: Agendas and meeting summaries, draft technical memorandum, and final technical memorandum

Estimated Budget: \$12,500

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Gully Inventory and Assessment Program

Workplan—December 1, 2022

The District performs routine gully inventories to provide information to municipalities within the watershed district on the current conditions of gullies and pipe outfalls; it also identifies new locations that may be contributing sediment into the Minnesota River. Once each gully inventory is complete, the District will coordinate collaboration sessions with city partners and other potential stakeholders to review findings; discuss high-priority sites; and strategize ways to stabilize gullies, repair outfalls, and prevent sediment from entering the Minnesota River.

Summary

Outcome: Identify and make recommendations for future field work and condition assessments of high-priority gullies located in the cities of Bloomington, Burnsville, Carver, Chanhassen, Chaska, Eagan, Eden Prairie, Mendota, Mendota Heights, Savage, and Shakopee within the Lower Minnesota River Watershed District

Project Partners: Minnesota Department of Natural Resources (MnDNR), US Fish and Wildlife Service (USFWS), Trout Unlimited, Cities of Bloomington, Burnsville, Carver, Chanhassen, Chaska, Eagan, Eden Prairie, Mendota, Mendota Heights, Savage, and Shakopee, and Dakota County and Scott County

Timeline for Completion: January 2023–December 2023

Total Project Budget: \$90,500

Objective 1. Project Management

Task 1-1: Project plan development and project management. Finalize the workplan; assign project tasks, determine whether additional resources are needed; set dates for deliverables; generate and maintain project schedule; perform monthly invoicing.

Timeline for Completion: six to 12 months

Deliverables: project approach and schedule, invoices, project updates

Estimated Budget: \$3,600

Objective 2. Database Organization

Task 2-1: Database development and organization. GIS data from previous gully assessments requires organization to effectively structure relationships between the existing data and data that will be collected in the future. This task includes data mapping, database development, and data migration to transition existing data into a new geodatabase that will comprehensively organize

past information and streamline data management for the gully inventory and assessment program.

Task 2-2: Survey 123 development. The existing electronic inspection form will be refined to collect and record field data in the new geodatabase.

Timeline for Completion: three months

Deliverables: completed geodatabase, Survey 123 application for field documentation

Estimated Budget: \$3,500

Objective 3. Data Collection and Review

Task 3-1: Review of background information. Young Environmental will review the high- and medium-priority sites identified in the *2020 and 2021 Gully Inventory and Condition Assessments* and will extract information for sites to be revisited during the 2023 field season.

Task 3-2: Coordination with project partners. The compiled information from Task 3-1 will be reviewed, and municipalities within this study area may be contacted for additional information and to determine new areas of concern, proposed projects, and completed projects that may affect future field work and surveys. In addition, this task will include coordination with the USFWS and the Minnesota Department of Natural Resources to gain permission to perform field work on their land, as needed.

Timeline for Completion: four to six weeks

Deliverables: maps, meetings, summary notes

Estimated Budget: \$6,700

Objective 4. Field Work

Task 4-1: Conduct field condition assessments. Conduct site visits to reinspect each of the identified gullies from Objective 3. As before, Young Environmental interns will collect photographs, waypoint locations, and notes detailing the condition of each of the gullies using the ArcGIS Survey 123 electronic inspection form that will be refined in Objective 2. In addition, a drone survey may be considered for critical site(s), pending available budget. Young Environmental will have local drone experts assess the final list of high- and medium-priority sites to determine if a drone survey is feasible.

Task 4-2: Gully ranking. Based on the updated field condition assessments, Young Environmental will review and update the ranking of the identified and assessed gullies in the LMRWD. Criteria to be used will include the potential for sediment loading into the Minnesota River, proximity to HVRA or 303-listed impaired waterbody, and interest by project partners.

Timeline for Completion: three to six months, dependent on weather

Deliverables: maps, photographs, field notes, field inspection reports

Estimated Budget: \$35,250

Objective 5. Richard T. Anderson Conservation Area Gully Feasibility Study

Task 5-1: Drone survey. Perform a drone survey to assess the gullies in the Richard T. Anderson Conservation Area. During the 2020 Gully Inventory, extensive erosion was observed, but access was prohibited because of steep slopes and other safety concerns. Results from the drone survey will be used to inform potential stabilization measures in Task 5-2.

Task 5-2: Conceptual engineering design. Prepare concept drawings with proposed stabilization measures for the high- and medium-priority gullies in the Richard T. Anderson Conservation Area. Young Environmental will provide technical review of the design. This task includes coordination and meetings to develop and review conceptual designs.

Task 5-3: Documentation. Develop a draft technical memorandum that will document the data collected, results from the analysis, and recommendations for stabilization based on the concept drawings. The draft memo will be submitted to the District and project partners for consideration and written feedback. Pending feedback received, a final technical memorandum and findings will be developed, incorporating the written feedback, and submitted to the District and project partners.

Timeline for Completion: three to four months

Deliverables: maps, photographs, concept design drawings, draft technical memorandum, final technical memorandum

Estimated Budget: \$30,200

Objective 6. Documentation

Task 6-1: Development of the draft 2023 Gully Inventory and Condition Assessment Report. Prepare the draft 2023 Gully Inventory and Condition Assessment Report. The draft report will be provided to the District and partners for comment.

Task 6-2: Finalization of the 2023 Gully Inventory and Condition Assessment Report. Finalize the assessment report, and submit the final report to the District and project partners.

Timeline for Completion: four weeks

Deliverables: Draft 2023 Gully Inventory and Condition Assessment Report, final 2023 Gully Inventory Condition Assessment Report

Estimated Budget: \$11,250

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Lower Minnesota River Floodplain Modeling

Workplan—December 1, 2022

The District will coordinate with project partners to collect recent urban development information and survey data that can be incorporated into USACE's 2004 HEC-RAS model of the Lower Minnesota River to create revised floodplain mapping to allow for better predictions of flood stages within the LMRWD and evaluate the effects of urban development and climate change on the river's hydrology.

Summary

| | |
|---------------------------------|---|
| <i>Outcome:</i> | Updated Lower Minnesota River HEC-RAS model |
| <i>Project partners:</i> | Minnesota Department of Natural Resources (MnDNR), US Army Corps of Engineers (USACE), Minnesota Department of Transportation (MnDOT), Dakota County, Carver County, Scott County, Hennepin County, and the fourteen LMRWD Partner Cities |
| <i>Timeline for completion:</i> | January 2023 to September 2023 |
| <i>Total project budget:</i> | \$85,632 |

Objective 1. Project Management

Task 1-1: Project plan development and project management. Finalize the workplan, assign project tasks, determine whether additional resources are needed, set dates for deliverables, and generate and maintain project schedule and monthly invoices.

Task 1-2: Project Kickoff Meeting. Young Environmental will host a project kickoff meeting with the MnDNR, USACE, and LMRWD to introduce the project team, share the project schedule and objectives, and review the preliminary data needs. Project partners can share projects that are underway that may complement the floodplain modeling effort, and Young Environmental will modify the scope of work as necessary. Young Environmental also will develop the meeting agenda and summary.

Deliverables: Project approach and schedule, meeting agendas and summaries, and invoices

Estimated budget: \$3,794

Objective 2. Data Collection and Review

Task 2-1: Gather LiDAR. Review available LiDAR data, download DEM data for the Lower Minnesota River, and convert to .tif file for use in the HEC-RAS model.

Task 2-2: Gather Development Information. Identify the date of the most recent LiDAR and collect development information after that date through coordination (email and phone correspondence) with LMRWD counties and municipalities. The relevant developments will be based on information provided in the Lower Minnesota River Floodplain Model Feasibility Study and include approximately 38 developments identified through LMRWD project reviews and 16 developments identified through FEMA LOMCs. Request as-built survey information for each development. If as-builts are unavailable, municipalities will be contacted to determine if a collecting survey is required, but a collecting survey is not part of this scope. This task includes reviewing the collected development information for accuracy and deciding what is necessary for inclusion in the model.

Task 2-3: Gather Bridge Information. This task includes gathering MnDOT bridge data to verify the 2004 HEC-RAS model has updated bridge information. Additionally, Young Environmental will coordinate with cities,

counties, and/or private landowners to collect the most recent bridge information for the remaining bridges that cross the Minnesota River. Bridge data includes bridge deck elevation, abutment shape and elevation, and pier shape and location as well as any other flow obstructions associated with the bridges. This task includes reviewing the collected bridge data for accuracy and deciding what is necessary for inclusion in the model.

Timeline for completion: February to March 2023

Deliverables: DEM, floodplain development as-builts and survey data, and bridge data

Estimated budget: \$14,212

Objective 3. Update Hydrology

Task 3-1: Statistical Analysis. Review the USGS Jordan gage and complete a statistical analysis using HEC-SSP to include the most recent peak flow data from 2001 to present to quantify updated flows for inclusion in the 2004 model.

Task 3-2: Future Conditions Analysis. Conduct a literature review to determine an appropriate method for estimating future conditions based on the USGS Jordan gage data. Determine future conditions peak discharges to estimate impacts of climate change.

Task 3-3: Coordination with Project Partners. Young Environmental will host and facilitate a coordination meeting with project partners to communicate project progress, discuss the hydrologic modeling approach and issues encountered, and develop potential solutions. This task includes developing the meeting agenda and summary.

Timeline for completion: March to April 2023

Deliverables: Lower Minnesota River existing and future peak discharges

Estimated budget: \$9,411

Objective 4. Update Hydraulic Model

Task 4-1: Update Hydraulic Model Geometry. Using information collected as part of Objective 2, Young Environmental will update the 2004 HEC-RAS model that is currently being used by the District and other entities to evaluate floodplain impacts. Updates include incorporating new development survey elevations, DEM elevations based on more recent LiDAR, and latest bridge data. The update also will include converting the current model to the most recent and appropriate version of HEC-RAS.

Task 4-2: Update Hydraulic Model Flow File. Using the hydrologic modeling and analysis from Objective 3, Young Environmental will update the HEC-RAS flow file to represent the most recent peak flow data. Based on the hydrologic analysis, the flow file will include present day flows as well as future conditions flows.

Task 4-3: Coordination with Project Partners. Young Environmental will host and facilitate a coordination meeting with project partners to communicate project progress, discuss the hydraulic modeling approach and issues encountered, and develop potential solutions. This task includes developing the meeting agenda and summary.

Timeline for completion: April to June 2023

Deliverables: Lower Minnesota River hydraulic model (HEC-RAS model)

Estimated budget: \$22,473

Objective 5. Documentation and Review

Task 5-1: Draft technical memorandum. Develop a draft technical memorandum to document methods, assumptions, procedures, results, and recommendations. Submit draft report to the District for written feedback.

Task 5-2: Model Quality Control Review. Young Environmental will provide the updated HEC-RAS model and draft technical memorandum to an engineering firm from the LMRWD pool for review and written feedback. This task includes preparing the HEC-RAS model for sharing, coordination with project reviewer on questions, and updating the HEC-RAS model as deemed necessary by Young Environmental based on the quality control feedback.

Task 5-3: Model Review with Project Partners. Young Environmental will host and facilitate a meeting with project partners to discuss the floodplain model development process and results, including data sharing methods for tracking future floodplain development. The meeting will provide a collaborative space for project partners to provide feedback, address modeling concerns, and develop a path forward. This task includes responding to all participant comments by either incorporating comments into the final floodplain model or tabling comments for future discussion and resolution.

Task 5-4: Finalize the report. Finalize the technical memorandum by incorporating written feedback from project partners, district administrator, and managers.

Timeline for completion: June to August 2023

Deliverables: Draft technical memorandum and final technical memorandum

Estimated budget: \$35,742

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Spring Creek Sites 1 and 2 Design and Construction Stabilization Project

Workplan—December 1, 2022

Spring Creek Sites 1 and 2 Design and Construction Stabilization Project is located in the City of Carver. Previous studies recommend channel erosion countermeasures, including riprap, Bio-D block, native plantings, removal of failing concrete walls, cross vanes, and reconnection to the floodplain. Site 1 is located at 112 5th Street West, and Site 2 is located at 404 Broadway. The Lower Minnesota River Watershed District (LMRWD) will work with a consultant from the consultant pool to develop final construction plans for the stabilization of Sites 1 and 2. A vegetation assessment will also be performed to inventory existing vegetation and inform the stabilization plans for Sites 1 and 2.

Summary

| | |
|---------------------------------|---|
| <i>Outcome:</i> | Final design and construction of bank stabilization measures at Spring Creek Sites 1 and 2 |
| <i>Project Partners:</i> | Sites 1 and 2 landowners; Carver Soil and Water Conservation District; Engineering consultant |
| <i>Timeline for Completion:</i> | March 2023–September 2024 |
| <i>Total Fees:</i> | \$29,078 |
| <i>Total Expenses:</i> | \$112,000 |
| <i>Total Project Budget:</i> | \$141,078 |

Objective 1. Project Management

Task 1-1: Project plan development and project management. Finalize the workplan, assign project tasks, determine whether additional resources are needed, set dates for deliverables, generate and maintain project schedule, and conduct monthly invoicing. Young Environmental will develop a request for design and construction for the LMRWD consultant pool, review proposals, and recommend the best consultant to move forward with. Young Environmental will execute the consultant contract, including specific deliverables.

Task 1-2: Project kickoff meeting. After a consultant is chosen for design, Young Environmental will host a project kickoff meeting with the Carver Soil and Water Conservation District (SWCD), the LMRWD, and the consultant to introduce the project team, reaffirm or modify the scope of work and schedule, and review the preliminary data needs. This task includes developing a meeting agenda and summary.

Task 1-3: Board updates. Young Environmental will provide two update memos to the LMRWD board summarizing project progress and recommendations as necessary.

Timeline for Completion: August 2023–September 2024

Deliverables: project approach and schedule, executed contract with engineering consultant, meeting agendas and summaries, invoices, board updates

Young Environmental Budget: \$5,044

Objective 2. Data Collection and Field Work

Task 2-1: Data collection. Use available background resource information and modeling developed as part of the Spring Creek Hydrology Review in January 2022. This task also includes reviewing and verifying the data used in the original study and updating data where needed.

Task 2-2: Vegetation assessment. Perform an inventory of the existing vegetation within Sites 1 and 2. Both desirable and invasive species will be inventoried to determine existing vegetation that will be preserved and areas where removal of terrestrial invasive species is required. The vegetation information collected during the assessment will inform the stabilization and site restoration plans that will be developed in Task 3-1.

Task 2-3: Topographic survey. Complete a topographic survey near Sites 1 and 2 to support detailed design development and hydraulic updates if necessary. Bathymetric data may be necessary to characterize the channel.

Timeline for Completion: June–October 2023

Deliverables: data matrix, survey data, maps, photographs

Young Environmental Budget: \$0

Consultant Budget: \$44,000

Objective 3. Final Engineering Design

Task 3-1: Engineering design. This task includes using the vegetation assessment and new topographic and bathymetric data to support the development of final design plans for stabilization measures at Sites 1 and 2, final specifications, preparation of a technical design memorandum, and engineers' opinion of probable construction costs (EOPCC). An engineering consultant will be chosen from the LMRWD pool and will be expected to submit 60 percent, 90 percent, and final plans to the LMRWD for review and concurrence.

Task 3-2: Hydraulic analysis. This task includes updating the hydraulic model with new topographic and bathymetric data as necessary and developing a proposed hydraulic model based on the proposed stabilization measures.

Task 3-3: Permitting. Young Environmental will develop a permit matrix to identify specific permit requirements, prepare and submit applicable permit applications based on the final design plans, and review and share agency comments with the appropriate project partners for resolution. This task includes coordination with identified agencies to present the project and confirm permit requirements and timelines.

Task 3-4: Design review. Young Environmental will review the design, hydraulic model, and construction plans and provide comments and feedback for incorporation. Reviews will be completed at 60 percent, 90 percent and final submittal. Young Environmental will work closely with the consultant to ensure that LMRWD scope and goals are being met.

Task 3-5: Coordination with project team. Young Environmental will host and facilitate three meetings with the consultant (60 percent, 90 percent, and final submittal) to communicate project progress, discuss issues encountered, develop potential solutions, and share any new information. This task includes developing meeting agendas and summaries.

Timeline for Completion: October 2023–February 2024

Deliverables: final construction plans, hydraulic modeling, EOPCC, specifications, technical design memorandum, permit matrix, permit applications

Young Environmental Budget: \$15,038

Consultant Budget: \$25,000

Objective 4. Construction Administration

Task 4-1: Preparation of bid package. This task includes preparing the bid package for advertisement. The bid package will include all relevant specifications, contract documents, and final signed construction plans.

Task 4-2: Bid opening. This task includes facilitating the bid opening and award and execution of the construction contract.

Task 4-3: Construction administration. This task includes receiving and responding to contractor questions throughout the entire bidding process as well as during construction and at closeout; providing project inspection during construction; providing weekly summary reports during construction; and providing construction closeout documents after the successful completion of all activities.

Task 4-4: Construction management. Young Environmental will facilitate construction coordination activities to ensure the LMRWD scope and goals are being met. This task includes attending the bid opening, recommending the best contractor for the project, facilitating document signatures, and answering contractor and consultant questions when necessary.

Timeline for Completion: March–September 2024

Deliverables: bid package, construction summary reports, closeout documents

Young Environmental Budget: \$4,588

Consultant Budget: \$43,000

LOWER MINNESOTA RIVER WATERSHED DISTRICT

Spring Creek Site 3 Design Feasibility Study

Workplan—December 1, 2022

Site 3 on Spring Creek was identified during the Spring Creek Hydrology Review and is prioritized as a top at-risk site for erosion due to the near vertical bank; however, a stabilization design has not been developed. The Lower Minnesota River Watershed District (LMRWD) will work with the landowner and the Carver Soil and Water Conservation District (SWCD) to conduct a feasibility study and conceptual design to determine the best approach to stabilize the area.

Summary

| | |
|---------------------------------|--|
| <i>Outcome:</i> | Complete a feasibility study to inform the design and stabilization measures for Site 3 on Spring Creek. |
| <i>Project Partners:</i> | Site 3 Landowner; Carver Soil and Water Conservation District |
| <i>Timeline for Completion:</i> | January 2023–December 2023 |
| <i>Total Fees:</i> | \$33,704 |
| <i>Total Expenses:</i> | \$21,000 |
| <i>Total Project Budget:</i> | \$54,704 |

Objective 1. Project Management

Task 1-1: Project plan development and project management. Finalize the workplan; assign project tasks, determine whether additional resources are needed; set dates for deliverables; generate and maintain project schedule; conduct monthly invoicing.

Task 1-2: Project kickoff meeting. Young Environmental will host a project kickoff meeting with the Carver SWCD and LMRWD to introduce the project team, reaffirm or modify the scope of work and schedule, and review the preliminary data needs. This task includes developing a meeting agenda and summary.

Task 1-3: Coordination with project partners. Young Environmental will host and facilitate monthly meetings with the Carver SWCD to communicate project progress, discuss issues encountered, develop potential solutions, and share any new information. This task includes developing meeting agendas and summaries.

Task 1-4: Board updates. Young Environmental will provide two update memos to the LMRWD board summarizing project progress and recommendations as necessary.

Timeline for Completion: August–December 2023

Deliverables: Project approach and schedule, meeting agendas and summaries, invoices, board updates

Estimated Budget: \$11,044

Objective 2. Data Collection and Review

Task 2-1: Data collection and review. Use available background resource information and modeling developed as part of the Spring Creek Hydrology Review in January 2022. This task also includes reviewing and verifying the data used in the original study and updating data where needed. Young Environmental will contact public resources such as the City of Carver, the Minnesota Department of Natural Resources, the US Army Corps of Engineers, and the Carver SWCD to collect additional background information if necessary. The data used will be summarized in a data matrix.

Timeline for Completion: August 2023

Deliverables: Data matrix

Estimated Budget: \$2,984

Objective 3. Field Work

Task 3-1: Field condition assessment. Following the same methodology developed for Site 1 and Site 2, conduct a site visit at Site 3. Young Environmental will collect photographs, waypoint locations, and notes detailing the conditions of the area using field collection sheets. During the site visit, locate and stake important geomorphic characteristics, including bank-full elevation, pool and riffle cross sections, and low banks so the SWCD can collect topographic survey at the applicable locations. Conduct a pebble count at the riffle and reach-wide.

Task 3-2: Topographic survey. Complete a topographic survey of the project reach to aid in the concept design of the project. Collect geomorphic characteristics of the river, including longitudinal profile as well as riffle and pool cross sections.

Timeline for Completion: September–October 2023

Deliverables: maps, photographs, field notes and collection sheets, survey staking, survey data, topographic map

Estimated Budget: \$1,752

Objective 4. Engineering Design

Task 4-1: Conceptual engineering design. Prepare concept drawings with proposed stabilization measures for Site 3. Young Environmental will provide technical review of the design. This task includes coordination and meetings to develop and review conceptual designs.

Timeline for Completion: October–November 2023

Deliverables: proposed stabilization measures, concept design drawings

Estimated Budget: \$4,202

Objective 5. Documentation

Task 5-1: Draft technical memorandum. Develop a draft technical memorandum that will document the data collected, methods and software used, results from the analysis, and recommendations for stabilization based on the concept drawings. The draft memo will be submitted to the District and project partners for consideration and written feedback.

Task 5-2: Final technical memorandum. Submit the final technical memorandum and findings to the District and project partners incorporating the written feedback from Task 5-1.

Timeline for Completion: October–December 2023

Deliverables: draft technical memorandum, final technical memorandum

Estimated Budget: \$13,722

Technical Memorandum

To: Linda Loomis, Administrator
Lower Minnesota River Watershed District

From: Meghan Litsey, CPESC
Della Schall Young, CPESC, PMP

Date: December 08, 2022

Re: Lower Minnesota River Watershed District (LMRWD) Municipal
Coordination Update

In November 2022, Linda Loomis, district administrator, and Young Environmental Consulting Group (Young Environmental) initiated annual municipal coordination meetings with the municipalities in the Lower Minnesota River Watershed District (LMRWD). The purposes of the coordination meetings include continued collaboration and information sharing, review and discussion of upcoming projects and programs, and potential resource and cost sharing coordination on natural resources projects.

Linda Loomis and Young Environmental scheduled 90-minute meetings with city engineering and water resources staff from each of the municipalities to discuss topics, including municipal and individual permits, recent and upcoming projects and programs, and the gully inventory and assessment program's previous and upcoming activities. Coordination meetings were held during the week of November 14, 2022, with the following entities:

- City of Chanhassen
- City of Mendota Heights
- City of Eden Prairie
- City of Carver
- City of Savage
- City of Bloomington

Summary notes from the November 2022 municipal coordination meetings are included in Attachment 1.

In general, discussions with each municipality were productive, particularly regarding the LMRWD's permitting program and gully inventory and assessment program. The meetings provided dedicated discussion on implementation of the LMRWD's rules and how the LMRWD and cities can share information and resources as cities prepare to complete updates to their city code. In addition, many municipalities were interested in learning more about the gully inventory and assessment program, and initial collaboration efforts were discussed in preparation for the 2023 fieldwork. Discussions with the cities included Rule C, the Floodplain and Drainage Alteration Rule, and the planned floodplain modeling efforts.

Next Steps

Linda Loomis and Young Environmental will continue hold municipal coordination meetings with the following entities in December 2022 and January 2023:

- City of Burnsville
- City of Chaska
- City of Lilydale
- City of Mendota
- City of Shakopee
- City of Eagan
- Metropolitan Airports Commission

A survey will be distributed to Dakota, Scott, and Hennepin Counties in December 2023 in lieu of holding individual coordination meetings with these groups.

Meetings summaries from the December 2022 and January 2023 municipal coordination meetings and the results from the counties survey will be included in an update to the board of managers in January 2023.

Attachments:

1. November 2022 Municipal Coordination Meeting Summaries

Summary



PROJECT NAME: LMRWD Municipal Coordination—City of Chanhassen

Date: Tuesday, November 15, 2022
Start Time: 1:00 p.m.
End Time: 2:30 p.m.
Location: Virtual meeting using Teams

MEETING OBJECTIVES:

- To continue the established collaboration and information-sharing framework
- To review recent and upcoming LMRWD and City projects and programs
- To assess resources and share costs on projects that protect or enhance natural resources

INVITEES: Joe Seidl, Charles Howley—City of Chanhassen

HOSTS: Linda Loomis—Naiad Consulting and Lower Minnesota River Watershed District; Della Young, Hannah LeClaire, Meghan Litsey, Erica Bock—Young Environmental Consulting Group

AGENDA:

1. Welcome (Linda Loomis)

Linda thanked the city for its partnership and provided an update on LMRWD board of manager positions.

2. Introductions (All)

3. Municipal Permit (Della Young)

a. Progress on obtaining a Municipal Permit

Joe's predecessor started the process to obtain a municipal permit, but the LMRWD still needs an official application from the City.

The City is still working on navigating the best path forward. There aren't many projects within the LMRWD, and the City sees some advantages to having separate permitting processes between the City and the LMRWD. The City doesn't think taking on LMRWD municipal permit at this time and is anticipating a mass update of the city code this winter.

Joe asked whether there are cities that don't have a municipal permit. Della said Eden Prairie and Chaska do not. Della offered the topic for comment because the city is required to update its MS4 permit, and there are similar requirements in LMRWD's Rule B—Erosion and Sediment Control and Rule D—Stormwater Management. Della said the LMRWD could review the updates to the city code for

Summary

alignment to the LMRWD rules.

- i. Discuss the process for permitting projects within watershed districts

Erica provided language from Ch. 19 regarding surface water management permits. Representatives for the City said it's trying to figure out the best way to navigate between the watershed management organizations, and the City doesn't intend to take permitting authority from the Riley-Purgatory-Bluff Creek Watershed District.

4. Individual Permits (Hannah LeClaire)

Charlie asked about an example project, what rules would be triggered, the cost, how long it would take, and the overall permitting process. Hannah reviewed the application process and materials provided on the LMRWD's website.

The group discussed permit fee schedules, specifically the cost to review a permit application compared to the current permit fees and how that is generally not enough funding.

Della suggested that the LMRWD could share information about review costs with the City to help the City understand the potential costs of taking on the Municipal Permit.

Hannah asked whether the City would want notification of permit applications that the LMRWD receives for projects within the City's boundaries. The City representative said yes.

- a. Active permits

- i. LMRWD No. 2021-002 CSAH 61 Drainage Ditch

This permit was issued at the end of 2021, but work didn't start until June 2022.

- b. 2022 Inspections (Figure 1)

Hannah reviewed the total number of projects inspected. There was no discussion.

- i. Total number of projects inspected:

- LMRWD No. 2019-065 TH 101 Chanhassen
- LMRWD No. 2019-085 MN Bluffs LRT Regional Trail Repair
- LMRWD No. 2020-100 Peterson Farms Maintenance Road

- ii. Zero sites had follow-ups or maintenance issues.

- c. Upcoming projects

- i. LMRWD No. 2022-024 Gedney Pickles Holding Pond Restoration (conditionally approved by LMRWD Board of Managers)

- ii. LMRWD No. 22-031 RSI Marine pre-permit review

- iii. Charlie updated the LMRWD on an upcoming project: extending sewer and water down TH 101 and CSH 61, which is identified in the 5-year plan but has no hard deadline.

Summary

d. Work without a permit

i. 535 Lakota Lane update

Linda provided background on the area. The property had work done without a City or LMRWD permit. Both the City and LMRWD tried to contact property owners, but the property owners took offense and did not respond. Linda does not know the status. A letter of correction has been filed by the LMRWD with the district court, and the LMRWD is waiting on a ruling before taking any corrective action.

Della highlighted the partnership with the City regarding compliance issues on the site, devising a strategy for mitigation, and moving through the problem effectively and efficiently.

5. Recent and Upcoming Projects and Programs

a. Rule Revisions (Hannah LeClaire)

Hannah provided an update on the revisions of the LMRWD's rules.

b. Watershed Management Plan Amendment (Meghan Litsey)

Meghan provided an update on the Watershed Management Plan Amendment.

i. Upcoming CIP Projects

- Gully Inventory and Assessment Program—Reassessment of Existing Gullies

c. Gully Inventory (Della Young)

i. [Link](#) to 2020 Gully Inventory and Condition Assessment

ii. Review the Priority Regions (Figure 2)

- High Priority Region 10
 - Located on the eastern portion of Bluff Creek Park watershed, it contains gullies that are along the same hillslope, share similar characteristics, and are geographically close.
- High Priority Region 11
 - Located within a stream along the Minnesota River Bluffs LRT Regional Trail across from Trails End Road. Sites share similar characteristics and the same drainage basin.
- High Priority Region 12
 - Located in the Richard T. Anderson Conservation Area. Sites share similar characteristics and access conditions.

iii. Discuss opportunities for partnering on high priority sites

- Planned projects

Summary

- Funding opportunities

Charlie said the City is aware of these areas but is not sure what can be done. The gullies are mostly on private land, and the City is hesitant to spend public dollars for private improvements.

Della said that the LMRWD does not have the answers, but a feasibility study is likely the next step as well as a follow-up meeting on high priority areas. Some of these areas could receive grants, and it would be great to prepare for the next steps. The LMRWD's next round of gully inventory is to document progression and to potentially collect the documentation needed to generate legislative action. The LMRWD would be seeking knowledge sharing for the upcoming project.

6. Other Discussion (Della Young)

- a. Seminary Fen Stewardship Plan

Della provided an update regarding the completion of the Seminary Fen Stewardship Plan.

- b. Assumption Creek H&H Analysis

Della shared that the analysis was complete, and Young Environmental will share a copy of the report with the City.

7. Next Steps (Meghan Litsey)

- a. Generate and share a meeting summary.

Summary



PROJECT NAME: LMRWD Municipal Coordination – City of Mendota Heights

Date: Wednesday, November 16, 2022
Start Time: 8:30 a.m.
End Time: 10:00 a.m.
Location: Virtual meeting using Teams

MEETING OBJECTIVES:

- To continue the established collaboration and information-sharing framework
- To review recent and upcoming LMRWD and City projects and programs
- To assess resources and share costs on projects that protect or enhance natural resources

INVITEES: Ryan Ruzek, Krista Spreiter—City of Mendota Heights

HOSTS: Linda Loomis—Naiad Consulting and Lower Minnesota River Watershed District
Della Young, Hannah LeClaire, Meghan Litsey—Young Environmental Consulting Group

AGENDA:

1. Welcome (Linda Loomis)

Linda thanked the city for its partnership and provided an update on LMRWD board positions.

2. Introductions (All)

3. Municipal Permit (Della Young)

a. Rule A: Administrative and Procedural Requirements (audit)

Della explained that *audit* is a daunting term, and it is more of a way to understand how the City has been managing permits in accordance with the requirements of LMRWD Rule A—Administrative and Procedural Requirements. An audit is planned for the first quarter of the year.

4. Individual Permits (Hannah LeClaire)

a. Upcoming projects

Hannah informed the City that there are no active projects at this time.

Della recommended sharing notification of projects coming up in the LMRWD. Krista asked whether the LMRWD would like notification about projects that are outside the LMRWD but discharge to the LMRWD; for example, the Lake August feasibility study has a natural outlet to the Minnesota River. Della said that the LMRWD would like to be involved.

Summary

Linda commented that the Prior Lake-Spring Lake Watershed District (PLSLWD) and City of Prior Lake have a similar operation with the Prior Lake Outlet Channel and recommended the City talk either to the PLSLWD or City of Prior Lake about this.

The LMRWD should be notified of potential slope-stabilization issues.

5. Recent and Upcoming Projects and Programs

a. Rule Revisions (Hannah LeClaire)

Hannah provided an update on the revisions of the LMRWD's rules.

b. Watershed Management Plan Amendment (Meghan Litsey)

Meghan provided an update on the Watershed Management Plan Amendment.

i. Upcoming CIP Projects

- Gully Inventory and Assessment Program—Reassessment of Existing Gullies

c. Gully Inventory (Della Young)

i. [Link](#) to 2020 Gully Inventory and Condition Assessment

ii. Review the Priority Regions (Figure 2)

- High-Priority Region 21

- Sites grouped together based on geographic proximity to one another, similar characteristics, and similar erosion progression

Sites around High-Priority Region 21 are a combination of high to moderate priority. Della said work in the future surrounds high-priority sites to see whether erosion is progressing or stable.

- High-Priority Region 22

- Large gully channel

The City tried to get MnDOT to address High-Priority Region 22.

Della said that we could try to approach the City's contact at MnDOT to discuss what has been done, how a feasibility analysis might be implemented, and whether it makes sense to move that analysis forward.

- High-Priority Region 23

- Sites grouped together based on geographic proximity to one another, shared access locations, and ultimate discharge location of Gun Club Lake Fen

Summary

The LMRWD has been working with the DNR on this recently. There is a scar in the fen, but the DNR has not made a determination yet.

The City said there is a potential MnDOT 494 pond project, southwest from high priority site 23.

The LMRWD will share the Gun Club Lake H&H report with the City.

- iii. Discuss opportunities for partnering on high-priority sites (Meghan Litsey)
 - Planned projects
 - Funding opportunities

6. Other Discussion (All)

Della asked if the City had any concerns on the LMRWD's Rule C—Floodplain and Drainage Alteration requirements. The city mentioned Burnsville's comments on LMRWD Rule C—Floodplain and Drainage Alteration. The LMRWD plans to meet with the City of Burnsville and other interested municipalities to discuss floodplain management.

7. Next Steps (Meghan Litsey)

- a. Generate and share a meeting summary.

Summary



PROJECT NAME: LMRWD Municipal Coordination – City of Eden Prairie

Date: Wednesday, November 16, 2022

Start Time: 10:30 a.m.

End Time: 12:00 p.m.

Location: Virtual meeting using Teams

MEETING OBJECTIVES:

- To continue the established collaboration and information-sharing framework
- To review recent and upcoming LMRWD and City projects and programs
- To assess resources and share costs on projects that protect or enhance natural resources

INVITEES: Rod Rue, Patrick Sejkora—City of Eden Prairie

HOSTS: Linda Loomis—Naiad Consulting and Lower Minnesota River Watershed District
Della Young, Hannah LeClaire, Meghan Litsey—Young Environmental Consulting Group

AGENDA:

1. Welcome (Linda Loomis)

Linda thanked the City for its partnership and provided an update on LMRWD board positions.

2. Introductions (All)

3. Individual Permits (Hannah LeClaire)

- a. Discuss the process for communicating LMRWD permit requirements
- b. Active permits
 - i. LMRWD No. 2022-007 Engineered Hillside
 - ii. LMRWD No. 2022-026 10621 Spyglass Drive

The year 2022 was when LMRWD first completed inspections.

Engineered Hillside and Spyglass will be inspected in 2023.

- c. Year 2022 inspections (Figure 1)
 - i. Total number of projects inspected: one
 - LMRWD No. 2020-103 Prairie Heights Development
 - ii. One site had follow-ups and maintenance issues:

Summary

- Lack of erosion control BMPs
- Rill erosion along infiltration basin (ongoing)

Prairie Heights is a unique project because it is in two watershed districts, the LMRWD and RPBCWD, and the infiltration basins are technically in the RPBCWD. The contractor and the RPBCWD were notified of the issues, and the LMRWD wanted to notify the City to keep it informed.

d. Upcoming projects

i. Peterson Wetland Bank

Peterson Wetland Bank is an ongoing project led by Lori Haak with the City.

The LMRWD transferred authority of the Pioneer Trail project to the RPBCWD.

The feasibility study is advancing on Dell Road, and WSB has been trying to set up a meeting with the RPBCWD.

4. Recent and Upcoming Projects and Programs

a. Rule revisions (Hannah LeClaire)

Hannah provided an update on the revisions of the LMRWD's rules.

Della asked if the City had any concerns about the LMRWD's Rule C—Floodplain and Drainage Alteration requirements. The City indicated that it does not have any involvement with Rule C.

b. Watershed Management Plan Amendment (Meghan Litsey)

i. Upcoming CIP Projects (Hannah LeClaire)

- Area 3 Bluff Stabilization Project update
 - When was the last time the outfall was repaired or replaced?
 - What are your goals for the design of the outfall?
 - Does the City have a hydraulic report for the original outfall design?

Hannah from Young Environmental is the new point of contact for the project. The project is partnered with Barr Engineering and Inter-Fluve. Young Environmental is designing the outfall from the pond. Young Environmental wants to keep the City involved on the design to meet its expectations.

The City has been notified by the MPCA that it approves of the removal of the pond in the floodplain.

Hannah has plans for the outfall from 1986 and was wondering whether this is the last time work was completed on the outfall. Rod replied that it was redone about 10 years ago (2013?) when Barr

Summary

Engineering completed reinforcement on the bank. Patrick is going to look at the City's records for the pipe work.

City goals for the design include capturing as much of the water as possible in the pipes and minimizing surface flow. For the outfall, there are no specific goals other than protecting it and having access for City inspections and maintenance.

Della asked about access and easements in the area. Easements shown in the plan set from Barr Engineering (which Hannah already has) are mostly accurate.

Hannah asked for the elevation of ditch checks, if known, and clarified that the pipe won't be extended.

Della said that Young Environmental needs design constraints upstream and asked what kind of piping is needed when the pond is removed to attenuate the volume coming in. Rod said that the original design does not follow Atlas 14 precipitation estimates.

Linda asked whether the pond is on City property, and Patrick responded it is in an easement.

Hannah said that Young Environmental will bring the City into coordination with Inter-Fluve.

- Gully Inventory and Assessment Program—Reassessment of Existing Gullies

c. Gully inventory (Della Young)

i. [Link](#) to 2020 Gully Inventory and Condition Assessment

ii. Review the Priority Regions (Figure 2)

- High-Priority Region 13
 - Sites are located within the Richard T. Anderson Conservation area near the border of the City of Chanhassen

The City is aware of the gully issue but unaware of any planned projects.

- High-Priority Region 14
 - HPR 14 is located along the banks of the Minnesota River. The region includes two channels consisting of two gully sites each and one large slump along the Minnesota River.
- New-Priority Sites (2 sites)

iii. Discuss opportunities for partnering on high-priority sites (Meghan Litsey)

- Planned projects
- Funding opportunities

Summary

The LMRWD will use Patrick as a point of contact to navigate the departments and contacts that need to be included in a feasibility study and to decide what information the LMRWD needs to collect to make informed decisions. Young Environmental will monitor the gullies in 2023.

The timing of a feasibility study is to be determined. In the LMRWD CIP, there are dollars set aside for inventory assessment, and whatever is leftover can be spent on high-priority sites.

5. Other Discussion (All)

There was no discussion.

6. Next Steps (Meghan Litsey)

- a. Generate and share meeting summary

Summary



PROJECT NAME: LMRWD Municipal Coordination – City of Carver

Date: Wednesday, November 16, 2022

Start Time: 1:30 p.m.

End Time: 2:30 p.m.

Location: Virtual meeting using Teams

MEETING OBJECTIVES:

- To continue the established collaboration and information-sharing framework
- To review recent and upcoming LMRWD and City projects and programs
- To assess resources and share costs on projects that protect or enhance natural resources

INVITEES: Brent Mareck, Aaron Schmidt, Bob Bean—City of Carver

HOSTS: Linda Loomis—Naiad Consulting and Lower Minnesota River Watershed District
Della Young, Hannah LeClaire, Meghan Litsey—Young Environmental Consulting Group

AGENDA:

1. Welcome (Linda Loomis)

Linda thanked the City for its partnership and provided an update on the LMRWD board.

2. Introductions (All)

3. Municipal Permit (Della Young)

a. Rule A: Administrative and Procedural Requirements (audit)

The audit is designed to get a sense of the City's permitting process, not as a punitive conversation. The LMRWD wants to learn about the City's process to understand whether there are any changes required.

b. Rule C: Floodplain and Drainage Alteration

Carver does not have Rule C authority in its permit. The LMRWD has received comments on the restrictive nature of Rule C, and the LMRWD will hold separate meetings on the floodplain requirements.

Something the City would like to discuss with the LMRWD is taking on Rule C because it makes sense from an administrative standpoint. Della said that the one caveat would be self-regulation, and the LMRWD would retain regulatory authority over the Carver Levee project.

Summary

The City said code updates for the MS4 permit and other items related to the floodplain are in progress. Della said the next steps in the process would be to have the City go to the LMRWD's website and complete the LGU application and highlight applicable rules, including adding Rule C. Advance notification was requested from the City so the LMRWD can plan accordingly.

4. Individual Permits (Hannah LeClaire)

a. Active permits

There was no discussion.

b. Year 2022 Inspections (Figure 1)

i. Total number of projects inspected: one

- LMRWD No. 2020-110 CSAH 11 Reconstruction

ii. Zero sites had follow-ups or maintenance issues

c. Upcoming projects

i. Spring Creek 3rd Street Culvert Replacement

The permit for the Spring Creek Project would have to come through LMRWD if Carver does not have its Rule C authority yet. The City indicated that Bolton & Menk would be submitting an application for this project soon.

5. Recent and Upcoming Projects and Programs

a. Rule Revisions (Hannah LeClaire)

Hannah provided an update on the revisions of the LMRWD's rules.

b. Watershed Management Plan Amendment (Meghan Litsey)

Meghan provided an update on the Watershed Management Plan Amendment.

i. Upcoming CIP Projects

- Spring Creek Vegetation Management
- Spring Creek Site 1 and 2 Stabilization Project
- Spring Creek Site 3 Design Feasibility Study

LMRWD will forward the link to the Spring Creek H&H reports completed in 2021.

Regarding project improvements at Spring Creek, the City is not going to spend public dollars on private property improvements. The LMRWD wants to proactively address this situation to prevent catastrophic failure, and the City would like to continue the dialogue on the issue but is not prepared to commit to anything at this time.

Young Environmental is coordinating the development of a vegetative management plan and two designs have been prepared and need finalizing.

Summary

- Gully Inventory and Assessment Program—Reassessment of Existing Gullies
- c. Gully Inventory (Della Young)
 - i. [Link](#) to 2020 Gully Inventory and Condition Assessment
 - ii. Review the Priority Regions (Figure 2)
 - High-Priority Region 1
 - Located within Spring Creek Channel’s valley wall, making one large gully system
 - High-Priority Region 2
 - Sites located within shared access locations
 - High-Priority Region 3
 - One large gully channel
 - High-Priority Region 4
 - One large gully system with two head cuts
 - High-Priority Region 5
 - Stream channel with multiple slumps and finger gullies forming along its valley wall
 - High-Priority Region 6
 - Sites grouped by proximity, shared access conditions, erosion progression, and characteristics
 - High-Priority Region 7
 - Grouped by shared characteristics, access conditions, and geographic proximity of all three sites
 - High-Priority Region 8
 - One large gully system forming a stream channel
 - High-Priority Region 9
 - Large gully formed by a pipe outfall discharging and creating a channel
 - New-Priority Sites (2 Sites)

The City indicated that several of the gullies are within the Hawthorn Development, and the Surface Water Management Plan for the project noted this. Della said that as the City reviews the gully report, the City should let the LMRWD know whether there are opportunities to partner or combine resources to address an area.

Summary

The City asked to be updated when Spring Creek and gully inventory field work is going to be completed in the event that residents call and ask questions about what is going on.

- iii. Discuss opportunities for partnering on high-priority sites
 - Planned projects
 - Funding opportunities

6. Other Discussion (Della Young)

- a. Carver Levee project update

The City was notified that it will be awarded \$2.5 million in federal funding (through the HUD program). This will allow the project to continue moving forward with design. The total project cost is \$12 million. Linda asked whether the City plans to lobby for funds and requested that the City let the LMRWD know so that it is aware and knowledgeable. The LMRWD can have its legislative liaison help inform legislators about the project.

7. Next Steps (Meghan Litsey)

- a. Generate and share meeting summary

Summary



PROJECT NAME: LMRWD Municipal Coordination – City of Savage

Date: Wednesday, November 16, 2022

Start Time: 2:30 p.m.

End Time: 4:00 p.m.

Location: Virtual meeting using Teams

MEETING OBJECTIVES:

- To continue the established collaboration and information sharing framework
- To review recent and upcoming LMRWD and City projects and programs
- To assess resources and share costs on projects that protect or enhance natural resources

INVITEES: Jesse Carlson, Seng Thongvanh – City of Savage

HOSTS: Linda Loomis – Naiad Consulting and Lower Minnesota River Watershed District; Della Young, Hannah LeClaire, Meghan Litsey – Young Environmental Consulting Group

AGENDA:

1. Welcome (Linda Loomis)

Linda thanked the City for its partnership and provided an update on the LMRWD board.

2. Introductions (All)

3. Municipal Permit (Della Young)

a. Progress on obtaining a Municipal Permit

In 2023, the has set aside budget for City zoning ordinance updates and plans to update water resource items. The City plans to start this at the beginning of the new year and have the ordinance updates adopted by council members in midsummer. The City said that it may be looking into creating more of a design guide, similar to the City of Prior Lake.

- Della said that if the City has draft deliverables of certain sections of the updated code, the LMRWD can look into it so that it's in line with the LMRWD rules.
- Della asked if the City had any concerns about the Rule C-Floodplain rule revisions. The City of Savage indicated that it's interested in discussing this topic. The biggest concern for the City is along Credit River from McColl to the Minnesota River and how that floodplain extends. The City says there are some issues with the current modeling, and this should be looked at closer.

Summary

The model is currently 1-D but probably needs a 2-D model. The City can send the report to the LMRWD.

- With Katy Thompson moving on from Young Environmental, the City asked who the new liaison from the LMRWD would be. Della recommended emailing the permit@lowermnriverwd.org, and it will be delegated from there.

4. Individual Permits (Hannah LeClaire)

- a. Active permits
 - i. LMRWD No. 2021-025 TH 13
 - ii. LMRWD No. 2021-033 Minnesota MASH & 130th St. Extension
- b. 2022 Inspections (Figure 1)
 - i. Total number of projects inspected: 2
 - LMRWD No. 2021-031 Caribou Coffee
 - LMRWD No. 2021-034 Circle K Holiday Station Stores
 - ii. Zero sites had follow-ups or maintenance issues

Caribou and Circle K Holiday projects are complete and can be closed.

MN Mash did some preliminary grading. The City did some pond excavation work this year, and storm sewer work will be completed next year.

- c. Upcoming projects

The City received watershed-based implementation funding for the Eagle Creek bridge stabilization project. The City will set up an agency meeting to discuss the concept plan and submittal requirements. LMRWD recommended the City submit a work plan to BWSR, if it hasn't already, and the agreement would be through the BWSR.

The Credit River stream assessment is planned for 2023 from TH 13 to Hanrehan Blvd.

5. Recent and Upcoming Projects and Programs

- a. Rule Revisions (Hannah LeClaire)

Hannah provided an update on the revisions of the LMRWD's rules.
- b. Watershed Management Plan Amendment (Meghan Litsey)

Meghan provided an update on the Watershed Management Plan Amendment.

- i. Upcoming CIP Projects
 - Gully Inventory and Assessment Program – Reassessment of Existing Gullies
 - Schroeder Acres Project Status

Summary

The City needs to send final plans and request final closeout from the BWSR to be reimbursed for the project.

- c. Gully Inventory (Della Young)
 - i. [Link](#) to 2020 Gully Inventory and Condition Assessment
 - ii. Review the Priority Sites (Figure 2)
 - Savage Bluffs High Priority Region
 - Area includes the southern border of the LMRWD within Savage and the bluffs that drop into Savage Fen Natural Science Area
 - Eagle Creek High Priority Region
 - Comprises two gullies directly contributing to Eagle Creek

The LMRWD will revisit high priority areas in 2023.

The City completed a ravine stabilization project in 2016 (smallest area on Figure 2), and another project was completed closer to City Hall. The LMRWD will share the Gully Report, and the City can let the LMRWD know which gullies they are aware of and determine potential next steps.

- iii. Discuss opportunities for partnering on high priority sites
 - Planned projects
 - Funding opportunities

6. Other Discussion (Della Young)

- a. Dredge Site Maintenance Project

LMRWD updated the City on the dredge site plans, including using the LMRWD engineering pool for designs.

- b. Credit River Outfall Repair

The City hopes to complete the project in 2023. The City needs an erosion and sediment control permit with the LMRWD. The City also needs to go to USACE and schedule the work.

- c. Floodplain (Compensatory Storage) Analysis

Della asked for the City's thoughts on pursuing this. The City said its number one priority would be to do additional floodplain analysis specific to 2-D modeling updates to see how the area would be affected during a flood. Regarding developing the floodplain analysis, the City said it has no need to discuss or look at this now.

Summary

The LMRWD has paused on the comments from the City of Burnsville regarding Rule C until the LMRWD could have discussions during the coordination meetings. The LMRWD will maintain Rule C until additional data is forthcoming. The LMRWD will revisit this topic with the TAC at a later date.

- d. [Link](#) to 2022 Trout Streams Gaps Analysis and Management Plan – Final Report

The City would like more intentional documentation on how to manage trout waters and was wondering about stocking Eagle Creek.

Last fall the DNR stocked brook trout in Eagle Creek and found that brown trout are reproducing but brook trout are not.

There was a discussion about how to manage beaver dams and who is responsible for that along Eagle Creek and south of the dredge site.

7. Next Steps (Meghan Litsey)

- a. Generate and share meeting summary.

Summary



PROJECT NAME: LMRWD Municipal Coordination – City of Bloomington

Date: Thursday, November 17, 2022
Start Time: 10:00 a.m.
End Time: 11:30 a.m.
Location: Virtual meeting using Teams

MEETING OBJECTIVES:

- To continue the established collaboration and information sharing framework
- To review recent and upcoming LMRWD and City projects and programs
- To assess resources and share costs on projects that protect or enhance natural resources

INVITEES: Steve Gurney, Bryan Gruidl, Jack Distel—City of Bloomington

HOSTS: Linda Loomis—Naiad Consulting and Lower Minnesota River Watershed District
Della Young, Hannah LeClaire, Meghan Litsey—Young Environmental Consulting Group

AGENDA:

1. Welcome (Linda Loomis)

Linda thanked the City of Bloomington for its partnership and gave an update on the LMRWD board of managers and open positions.

2. Introductions (All)

3. Municipal Permit (Della Young)

a. Rule A: Administrative and Procedural Requirements (audit)

Bloomington was the first to get its municipal permit over a year ago. It does not have permitting authority for Rule C. The audit is to get a sense for how things are going and to help make the process more efficient per LMRWD Rule A—Administrative and Procedural Requirements.

The City said its rules are slightly more restrictive than LMRWD and thinks it could use help through Rule F—Steep Slopes. It could use help getting landowners to understand and trying to define the area.

The City feels like it is struggling with project creep. Della advised that it may be worthwhile to look at standard plans or BMPs to prevent this and said the LMRWD can meet with the City this winter to discuss it further.

Summary

The City said it struggles with projects getting after-the-fact permits (asking for forgiveness not for permission). The LMRWD is willing to get more involved when these situations arise.

4. Individual Permits (Hannah LeClaire)

a. Active permits

i. LMRWD No. 2021-023 106th Street Improvement

This project has been completed

ii. LMRWD No. 2020-132 77th Street Underpass

This is a City of Richfield project and will be removed.

iii. LMRWD No. 2022-002 MBL Nicollet River Crossing

iv. LMRWD No. 2022-013 Normandale and 98th Intersection Improvements

This is not in MnDOT ROW. MnDOT is involved because of state aid funding. The City was wondering if it has state funding, but the project is a city-led project, if the LMRWD permits the project. Della said that the LMRWD and the City should talk about the project ahead of time and determine how to move forward.

b. Year 2022 Inspections (Figure 1)

i. Total number of projects inspected: three

- LMRWD No. 2020-132 77th Street Underpass
- LMRWD No. 2021-023 106th Street Improvement
- LMRWD No. 2021-049 Stump Road Maintenance

ii. Follow-ups/Maintenance Issues

- The 77th Street Underpass had standing water runoff under the bridge. The LMRWD received photo confirmation that the violation during the project inspection was fixed.

c. Upcoming projects

5. Recent and Upcoming Projects and Programs

a. Rule Revisions (Hannah LeClaire)

Hannah provided an update on the revisions of the LMRWD's rules.

b. Watershed Management Plan Amendment (Meghan Litsey)

Meghan provided an update on the Watershed Management Plan Amendment.

i. Upcoming CIP Projects

- Gully Inventory and Assessment Program—Reassessment of Existing Gullies

Summary

c. Gully Inventory (Della Young)

- i. [Link](#) to 2020 Gully Inventory and Condition Assessment
- ii. Review the Priority Regions (Figure 2)
 - High-Priority Region 15
 - Two gullies located within the same long stream channel

This is near a scenic easement area and some City drainage. There is potential to address some pipe issues at this location or at the end of Palmer Road.
 - High-Priority Region 16
 - Two gullies within the same channel
 - High-Priority Region 17
 - Three gullies grouped together due to geographical proximity and ease of access
 - High-Priority Region 18
 - Gullies found within Mound Springs Park

This area is by the Indian mounds and could be coordinated with Parks and Rec, a different branch in the City. There is unofficial access to the Minnesota River from a recreation standpoint.
 - High-Priority Region 19
 - Gullies located within the Ike's Creek high-value resource area
 - High-Priority Region 20
 - Includes all of the gullies that lay near the Minnesota Valley National Wildlife Refuge Visitor Center and could be accessed along the Long Meadow Lake Trail

The City is aware of the locations, and some are on private property, which is not necessarily under the City's control; the City is hesitant to do work on private property. However, if a gully is combined with stormwater outfall or direct drainage, the project would be within the City's ability to maintain its infrastructure.

Della said the goal now is to continue to review the high-priority sites and start an initial feasibility study.

There is a public education component on how to prevent or manage erosion because people are dumping stuff over the bluff and direct downspouts over the bluff. Della offered that the LMRWD could look into creating a campaign about

Summary

this topic and target specific landowners. The City could also attach an informational brochure to permits.

If there are staff going out in 2023, the LMRWD is to let the City know, and the City might be able to send some staff to come along. Della said that a schedule will be provided in advance when this work is anticipated.

- iii. Discuss opportunities for partnering on high-priority sites (Meghan Litsey)
 - Planned projects
 - Funding opportunities

6. Other Discussion (Della Young)

- a. American Square Condo Development (USFWS)

American Square changed its name to The Ardor. It was unable to acquire the failed parking garage adjacent to the project. This project is moving forward, but the scope has changed.

There was a perception that the City issued a variance from the rules on the project, and the LMRWD wanted to talk about the concern USFWS raised that there was a variance. The City said there was no variance and was not sure where the confusion came from.

- b. Other Discussion

The City asked if there was any monitoring at Ike's Creek by the LMRWD. Monitoring is through USFWS, and it is partnered with MCES. Linda is in communication with the USFWS. Young Environmental is not intimately engaged in the project. Linda hasn't seen the data yet, but she believes they are being put into the state's systems. She will look into this to see if we can get more information.

7. Next Steps (Meghan Litsey)

- a. Generate and share meeting summary
- b. Coordinate audit of Municipal Permit



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, December 14, 2022

Agenda Item

Item 6. G. – LMRWD Projects

Prepared By

Linda Loomis, Administrator

Summary

i. Minnesota River Corridor Management Plan

This plan was identified in the 2018 implementation plan section of the LMRWD Comprehensive Watershed Management Plan.

Using the Minnesota River as a focal point, the project proposed to examine issues facing the river's complex natural system, a shared resource and a place where varied interests and other systems converge. The LMRWD's goals were to (1) create greater understanding of the Lower Minnesota River Corridor and its landscape, (2) demonstrate a desired future for the river and how change in the surrounding landscape can help attain this future, (3) suggest a structure or framework by which the vision can be implemented and (4) identify shared community and public values that form the basis of the project. (this project was modeled after the Vermillion River Corridor Plan.)

The plan can be accessed using the link below.

Attachments

[Lower Minnesota River Corridor Management Plan - 2022](#)

Recommended Action

Motion to receive report and authorize distribution



LOWER MINNESOTA RIVER WATERSHED DISTRICT

Executive Summary for Action

Lower Minnesota River Watershed District Board of Managers Meeting
Wednesday, December 14, 2022

Agenda Item

Item 6. H. – Permits & Project Reviews

Prepared By

Linda Loomis, Administrator

Summary

i. Structures, Inc. (LMRWD No.2022-036)

The LMRWD received an application for an office/warehouse development in Chaska. Staff has reviewed the application and recommends conditional approval.

Attachments

Technical Memorandum – Structures, Inc. (LMRWD No. 2022-036) dated December 7, 2022

Recommended

Motion to approve LMRWD permit 2022-036 conditioned upon receipt of final construction plans signed by a professional engineer, name and contact information for all contractors undertaking land disturbing activities as part of the proposed project, name and contact information for the person (s) responsible for erosion control inspections and maintenance, a copy of the NPDES permit and documentation that the applicant has received full approval for the project from the City of Chaska.

ii. Chaska TH 41/CSAH 61 (LMRWD No.2022-014)

The LMRWD issued conditional approval of this permit at the May 2022 Board Meeting. The LMRWD has not received the information required to meet the conditions of approval. Staff has made a number of attempts to procure the information without success. Work on the project has commenced, so the work has proceeded without a permit. Staff is consulting with LMRWD legal counsel on how to proceed. A stop work order may be issued if the outstanding conditions are not met. Staff will advise the Board verbally at the meeting.

Attachments

Technical Memorandum – Chaska TH 41/CSAH 61 Improvements (LMRWD No. 2022-014) dated May 11, 2022

Recommended Action

No recommended action

iii. Permit Program Summary

A summary of all outstanding permits is attached.

Attachments

LMRWD Permit Program Summary – December 7, 2022

Item 6. H. – Permits and Project Reviews

Executive Summary

November 16, 2022

Page 2

Recommended Action

No action recommended

iv. 535 Lakota Lane, Chanhassen – work without a permit

Legal counsel will update the Board at the meeting.

Attachments

No attachments

Recommended Action

No action recommended

Technical Memorandum



To: Linda Loomis, Administrator
Lower Minnesota River Watershed District

From: Erica Bock, Water Resources Scientist
Hannah LeClaire, PE

Date: December 7, 2022

Re: Structures Inc. | LMRWD No. 2022-036

Structures Inc. has applied for an individual project permit from the Lower Minnesota River Watershed District (LMRWD), for an industrial development in the City of Chaska (City), as shown in Figure 1. The project is not located within the High Value Resource Area, Steep Slopes Overlay District, or Minnesota River floodplain. The applicant's engineer, Anderson Engineering of Minnesota LLC (Anderson), has provided site plans as well as a stormwater management plan for the Structures Inc. project (Project).

The proposed Project includes clearing an existing agricultural field, constructing three new office/warehouse buildings and storage yards; installing parking lot facilities; and constructing new storm sewer, sanitary sewer, and water main utilities. New stormwater management facilities will also be constructed, including a Bio-Filtration Basin on Lot 1 and Underground GeoStorage Chambers on Lot 3, shown in Figure 1. The project disturbs 5.25 acres and creates 2.59 acres of new impervious surfaces. The project proposes to commence construction in March 2023.

Because the City does not have its LMRWD municipal permit, this project requires an LMRWD individual permit.

Summary

Project Name: Structures Inc.

Purpose: Construction of new offices/warehouses, parking lots, and storage yards for Structures, Inc.

Project Size:

| Area Disturbed | Existing Impervious Area | Proposed Impervious Area | Net Increase Impervious Area |
|----------------|--------------------------|--------------------------|------------------------------|
| 5.25 acres | 0.07 acres | 2.66 acres | 2.59 acres |

Location:

Southwest corner of Arbor Drive and Old Audubon Road, Chaska, MN (Parcel ID: 301460020)

LMRWD Rules:

Rule B—Erosion and Sediment Control
Rule D—Stormwater Management

Recommended Board Action:

Conditional approval

Discussion

The LMRWD received the following documents for review:

- LMRWD Individual Project Permit Application; signed October 6, 2022; received October 13, 2022
- Permit application fee of \$750; received October 13, 2022
- Stormwater Management Plan for Structures Inc. by Anderson Engineering; dated September 30, 2022; revised November 23, 2022; received November 23, 2022
- Structures Inc. Civil Engineering Plans by Anderson Engineering; dated September 30, 2022; revised November 23, 2022; received November 23, 2022
- Chaska Creek Watershed Management email; dated October 17, 2022; received October 25, 2022
- James R. Hill HydroCAD Report for existing stormwater pond; received October 25, 2022
- Draft Maintenance Agreement; received October 25, 2022

The application was deemed complete on December 2, 2022, and the documents received provide the minimum information necessary for permit review.

Rule B—Erosion and Sediment Control

The LMRWD regulates land-disturbing activities that affect one acre or more under Rule B. The proposed project would disturb approximately 5.25 acres within the LMRWD boundary. The applicant has provided an erosion and sediment control plan and a Stormwater Pollution Prevention Plan. The project generally complies with Rule B, but a copy of the NPDES permit and contact information for the contractor and person(s) responsible for the inspection and maintenance of erosion and sediment control features are needed before the LMRWD can issue a permit.

Rule D—Stormwater Management

The project proposes the construction of 2.59 acres of new impervious surface. Newly constructed impervious pavement for Lots 1 and 2 will be collected via local storm sewer and directed southwest into the proposed Bio-Filtration Basin. Newly constructed impervious pavement from Lot 3 will also be collected via local storm sewer and directed southeast into the proposed Underground GeoStorage Chambers. Discharge from the Bio-Filtration Basin and Underground GeoStorage Chambers will be limited by an outlet control structure and directed south into the existing stormwater pond, as shown in Figure 1. The existing stormwater pond was constructed as part of the 2003 East Creek Acres Second Addition Development, with an overall drainage area to the pond of 14.8 acres, including the Structures Inc. property.

Rule 5.4.1 of Rule D requires that applicants demonstrate no increase in proposed runoff rates compared with existing conditions. Under existing and proposed conditions, stormwater drains off the site in two areas: west to Ravoux Road’s storm sewer and south to the existing stormwater pond.

Table 1. Structures Inc. Runoff Rate Summary

| Rainfall Event (24-hour rainfall depth) | Existing Conditions (cfs) | | Proposed Conditions (cfs) | |
|---|---------------------------|--------------------------------|---------------------------|--------------------------------|
| | Ravoux Road | Existing stormwater pond | Ravoux Road | Existing stormwater pond |
| 2-year—2.90” | 0.92 | 2.91 | 0.50 | 2.85 |
| 10-year—4.20” | 1.73 | 3.71 | 0.94 | 3.64 |
| 100-year—7.30” | 3.82 | 10.95 | 2.08 | 10.93 |

The reported runoff rates show a decrease from existing conditions for the 2-, 10-, and 100-year marks, meeting the rate control requirements of Rule D. In addition, modeling shows that proposed conditions will not increase the high-water level (HWL) of the existing stormwater pond.

Section 5.4.2 of Rule D requires projects without restrictions to retain one inch of runoff from the new and/or reconstructed on-site impervious surfaces. The total added impervious surfaces for the project is 2.59 acres, requiring the project to provide 9,402 cubic feet of volume retention. However, Anderson provided a geotechnical report that shows on-site soils are predominately hydrologic soil group D, therefore prohibiting infiltration on-site. The applicant is proposing two filtration practices, a Bio-Filtration Basin, and an Underground GeoStorage Chamber to meet the volume control requirements of Rule D.

Table 2. Structures Inc. Volume Control Summary

| BMP | Volume (CF) |
|------------------------|--------------|
| Bio-Filtration Basin | 4,490 |
| Underground GeoStorage | 4,923 |
| Total | 9,413 |

The proposed filtration practices provide a total of 9,413 cubic feet of volume control for the proposed site, complying with Rule D.

Section 5.4.3 of Rule D requires no net increase in total phosphorus (TP) or total suspended solids (TSS) to receiving waterbodies when compared to existing conditions.

Table 3. Water Quality Summary for Structures Inc.

| | TP (lb/yr) | TSS (lb/yr) |
|-------------|------------|-------------|
| Existing | 1.84 | 333.6 |
| Proposed | 1.79 | 226.9 |
| Difference | 0.05 | 106.7 |
| % Reduction | 3% | 32% |

As presented, the pollutant load will be reduced for both TP and TSS. Hence, the project meets the water quality requirements established under Rule D.

Recommendations

Based on our review of the project, we recommend conditional approval contingent on receipt of the following:

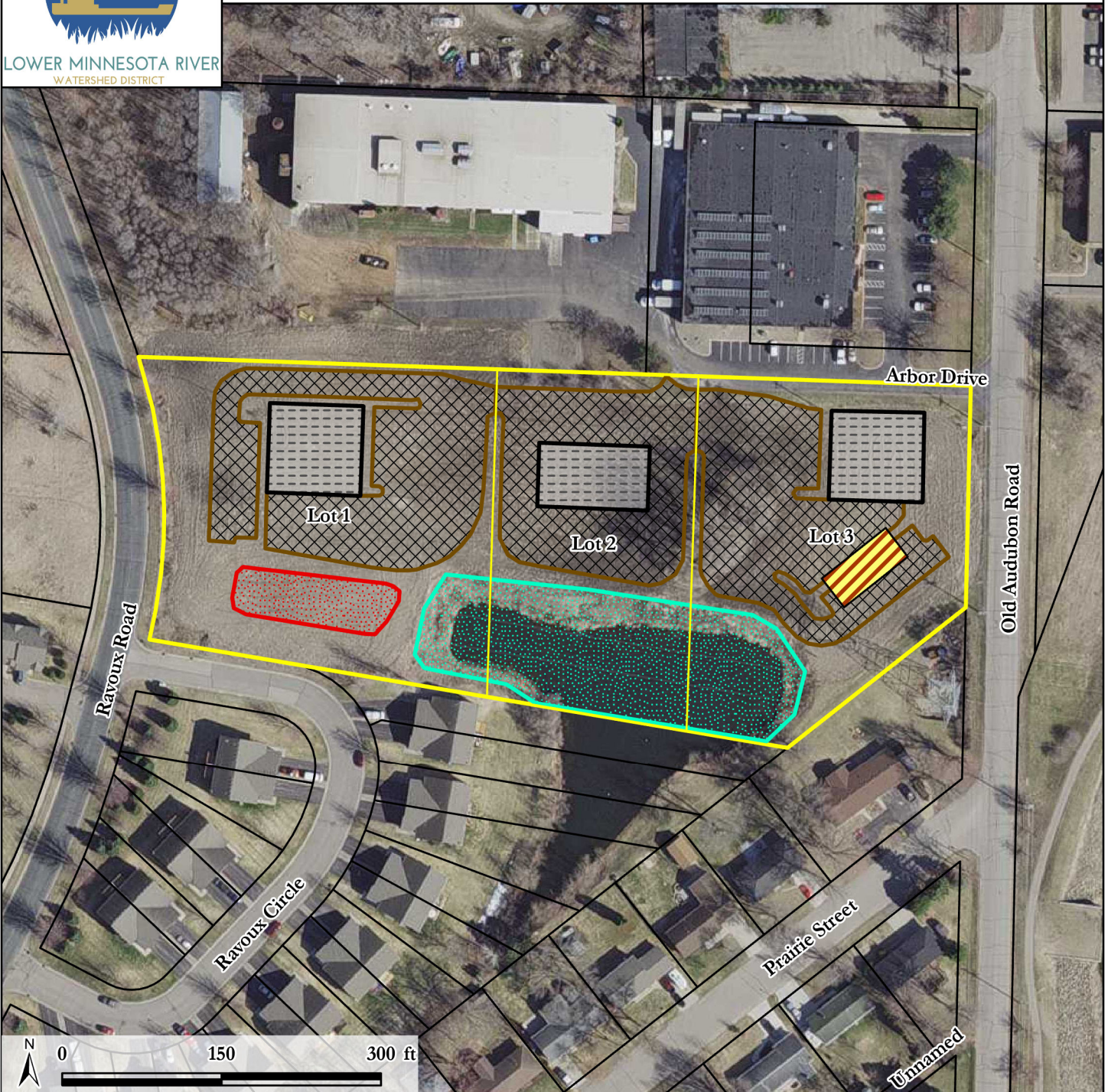
- Final construction plans signed by a professional engineer
- Name and contact information for all contractors undertaking land-disturbing activities as part of the proposed project
- Name and contact information for the person(s) responsible for erosion control inspections and maintenance
- Copy of NPDES permit
- Documentation that the applicant has received full approval for the project from the City of Chaska

Attachments

- Figure 1—Structures Inc. Project Location Map



Figure I: Structures Inc Project Location
LMRWD No. 2022-036



Legend

- Project Location
- Existing Pond
- Proposed Bio-Filtration Basin
- Proposed Building
- Proposed GeoStorage
- Proposed Parking Lot
- Parcels

LMRWD Watershed Location Map



Technical Memorandum

To: Linda Loomis, Administrator
Lower Minnesota River Watershed District

From: Hannah LeClaire, PE
Della Schall Young, CPESC, PMP

Cc: Taylor Huinker
Minnesota Department of Natural Resources

Date: May 11, 2022

Re: Chaska TH 41 / CSAH 61 Improvements (LMRWD No. 2022-014)

The City of Chaska (the applicant) has applied for an individual project permit from the Lower Minnesota River Watershed District (LMRWD). The applicant is proposing roadway improvements along Trunk Highway (TH) 41 (Chestnut Street), beginning at the Minnesota River Bridge and continuing north to Walnut Street, and County State Aid Highway (CSAH) 61 (Chaska Boulevard), beginning at TH 41 and continuing east to Yellow Brick Road as shown in Figure 1. The project involves converting TH 41 from a four-lane divided roadway to a two-lane divided roadway with turn lanes and converting CSAH 61 from a four-lane undivided roadway to a four-lane divided roadway with raised median and turn lanes along with water quality treatment features. The applicant's engineer, Stantec, has provided site plans for the Chaska TH 41 / CSAH 61 improvements (Project) along with the permit application.

The Project is not located within the High Value Resource Area or Steep Slopes Overlay District. However, a small portion of the Project is within the floodplain of East Chaska Creek near the eastern end of improvements on CSAH 61. The applicant proposes to commence construction in July 2022.

The Project is located within the Minnesota Department of Transportation (MnDOT) right of way and therefore requires an LMRWD individual permit. A majority of the Project is within the LMRWD boundary; however, the northwestern corner is in the legal boundary of the Carver County Watershed Management Organization (CCWMO). The

CCWMO deferred its permitting authority to the LMRWD because the stormwater drains to resources within the LMRWD, and the proposed Best Management Practices (BMPs) are also located within the LMRWD. Therefore, the entire Project area was reviewed to meet the requirements of the LMRWD rules.

In addition to our review of the LMRWD individual project permit application, the Minnesota Department of Natural Resources (MnDNR) has requested a review of the Project through the MnDNR Permitting and Reporting System (MPARS) on or before May 12, 2022. This memo addresses both reviews.

Summary

| | |
|----------------------------------|--|
| <u>Project Name:</u> | Chaska TH 41 / CSAH 61 Improvements |
| <u>Purpose:</u> | TH 41 and CSAH 61 Roadway Improvements and Reconstruction |
| <u>Project Size:</u> | 12.76 acres disturbed (0.99 within CCWMO); 10.12 acres existing impervious (0.72 within CCWMO); 10.28 acres proposed impervious (0.86 within CCWMO); net increase of 0.16 acres new impervious (0.14 within CCWMO) |
| <u>Location:</u> | TH 41 between the Minnesota River Bridge and Walnut St and CSAH 61 between TH 41 and Yellow Brick Road |
| <u>LMRWD Rules:</u> | Rule B—Erosion and Sediment Control Rule C—Floodplain and Drainage Alteration |
| <u>Recommended Board Action:</u> | Conditional approval |

Discussion

The LMRWD received the following documents for review:

- LMRWD permit application, received March 22, 2022
- Stormwater Management Report for TH41/CSAH61 Improvements by Stantec, dated March 22, 2022; received March 22, 2022
- TH 41 & CSAH 61 Improvements Construction Plans by Stantec, dated March 4, 2022; received March 22, 2022
- Additional TH 41 & CSAH 61 Improvements SWPPP Plan Sheets by Stantec, dated March 4, 2022; received April 20, 2022
- Public Waters Work Permit Application by Stantec, dated March 22, 2022;

received April 12, 2022

- CSAH 61 Creek Photo, by Stantec, no date, received April 12, 2022
- Project Location Public Water Impacts and Plans by Stantec, dated June 10, 2021, and March 15, 2022; received April 12, 2022
- Erosion Control Plans by Stantec, dated March 2, 2022; received April 12, 2022

The application was deemed complete on May 11, 2022, and the documents received provide the minimum information necessary for permit review.

Background

Rule B—Erosion and Sediment Control

The LMRWD regulates land-disturbing activities that affect one acre or more under Rule B. The proposed Project would disturb approximately 11.77 acres within the LMRWD boundary and approximately 0.99 acres within the CCWMO boundary. The applicant has provided an Erosion and Sediment Control Plan and a Stormwater Pollution Prevention Plan. The Project generally complies with Rule B, but a copy of the National Pollutant Discharge Elimination system (NPDES) permit and contact information for the contractor and person(s) responsible for the inspection and maintenance of the erosion and sediment control features are needed before the LMRWD can issue a permit.

Rule C—Floodplain and Drainage Alteration

The outlet of the CSAH 61 BMP, as shown in Figure 1, extends into the East Chaska Creek floodplain. The 100-year floodplain elevation at this location is 724.60, according to the Federal Emergency Management Agency's Flood Insurance Study (FIS) for Carver County, Minnesota, effective December 21, 2018 (FIS Number 27019CV000A). The BMP outlet consists of an emergency overflow (EOF) and riprap protection at the culvert outlets. A cut-and-fill summary provided by Stantec shows that there is a net cut for the proposed EOF and riprap within the 100-y floodplain, and no compensatory storage is required. The project meets the minimum requirements of Rule C.

Additional Considerations

The proposed reconstruction project will create 0.16 acres of new impervious surface, which does not trigger LMRWD Rule D; however, the Project has proposed a stormwater management system that meets the stormwater requirements of the City of Chaska. The proposed project discharges to East Chaska Creek near CSAH 61 and to the Minnesota River near TH 41. Stormwater management facilities include a bioretention basin located south of CSAH 61 at East Chaska Creek and permeable pavement in a proposed parking lot in the southeast quadrant of TH 41 and East 3rd Street. Additionally, two existing swirl chambers are located on East 1st Street and will be left in place (Figure 1). Although the LMRWD is not reviewing the stormwater

management system for this project, it is noted that current runoff from the roadway enters East Chaska Creek untreated. The proposed bioretention basin will treat water from a portion of CSAH 61 and is intended to reduce erosion potential and improve the water quality of discharge entering the creek. The City will acquire right of way for the public improvements occurring at the parking lots, as well as a permit to construct the bioretention basin on the Carver County Rail Authority property.

On July 29, 2021, the LMRWD received a Minnesota Wetland Conservation Act Notice of Application and TH 41 & CSAH 61 Improvements Joint Application: Type and Boundary/No Loss for review. The LMRWD staff submitted their review memo to MnDOT as part of the Wetland Conservation Act application comment period and recommended a Technical Evaluation Panel (TEP) field review to confirm no wetlands exist along East Chaska Creek within the Project area. A TEP field review was completed in August of 2021 and confirmed there are no wetlands present within the project site.

Recommendations

Based on our review of the project, we recommend conditional approval contingent on the receipt of the following:

- A copy of the NPDES permit
- Contact information for the contractor(s) and/or the person(s) responsible for inspection and maintenance of all erosion and sediment control features

We will submit this memo to the MnDNR as part of the MPARS comment period.

Attachments















- Figure 1 – Chaska TH 41 / CSAH 61 Improvements Project Location Map



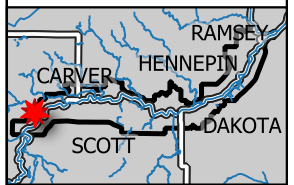
Figure 1: TH 41 / CSAH 61 Project Location



Legend

-  Project Location
-  TH 41 / CSAH 61 Project Site
-  Bioretention Basin
-  Permeable Pavers
-  Swirl Chamber
-  Steep Slopes Overlay District
-  Public Waterways
-  Public Waters
-  LMRWD Boundary
-  Floodway
-  100-yr Floodplain
-  Carver Co. Parcels
-  Steep Slopes Overlay District
-  County Boundaries

LMRW District Watershed
Location Map





| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|--------------------|---|---------------|---------------|--------------------|---------------|--------------------------------------|------------------|----------------------|------------|---------------------|---------------|------------------------|-----------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |
| 2019-085 | Minnesota Bluffs LRT Regional Trail Repair | Chanhassen | Closed | - | 12/12/2019 | | - | | | - | 5/20/2020 | June 2023 | - | 7/6/2022 | 7/22/2022 |
| 2019-065 | Trunk Highway 101 Improvements | Chanhassen | Closed | | 11/8/2019 | | | | 11/20/2019 | | 11/20/2019 | | | 7/6/2022 | 11/22/2022 |
| 2020-100 | Peterson Farms Road Maintenance | Chanhassen | Closed | - | 5/6/2020 | 5/6/2020 | - | - | 5/20/2020 | - | 5/21/2020 | 5/21/2021 | - | 7/19/2022 | 8/11/2022 |
| 2020-103 | Prairie Heights Development | Eden Prairie | Expired | - | 5/27/2020 | 6/5/2020 | - | 6/17/2020 | - | - | 10/23/2020 | 10/23/2021 | - | 7/6/2022 | - |
| 2020-105 | Freeway Landfill Expansion | Burnsville | Pre-Permit | - | 8/19/2022 | | 9/21/2022 | | | | | | | | |
| 2020-110 | CSAH 11 Reconstruction | Carver | Active Permit | - | 9/28/2020 | 11/3/2020 | - | 12/16/2020 | - | - | 4/13/2021 | 4/13/2022 | 4/20/2022 | 7/26/2022 | - |
| 2020-112 | Vierling Industrial Project | Shakopee | Closed | - | 6/25/2020 | 6/29/2020 | - | 7/15/2020 | - | - | Not Issued | | - | 7/19/2022 | 10/14/2022 |
| 2020-113 | Fort Snelling Redevelopment (2019-057) | Fort Snelling | Active Permit | - | 7/20/2020 | 8/12/2020 | - | 8/19/2020 | - | - | 9/11/2020 | 8/19/2022 | 7/20/2022 | 7/20/2022 | - |
| 2020-115 | Quarry Lake Park Improvements and Mountain Bike Trail | Shakopee | Closed | - | 7/23/2020 | 9/8/2020 | - | 9/16/2020 | - | - | 9/16/2020 | 9/16/2021 | - | 8/5/2022 | 3/17/2022 |
| 2020-116 | Shakopee Memorial Park Pedestrian Bridge | Shakopee | Closed | - | 8/24/2020 | 10/5/2020 | - | 10/21/2020 | - | - | 10/23/2020 | 10/23/2021 | - | 7/6/2022 | 7/20/2022 |
| 2020-117 | Greystone Headquarters | Shakopee | Closed | - | 7/24/2020 | 9/10/2020 | - | - | 9/16/2020 | - | 9/16/2020 | 9/16/2021 | - | 7/19/2022 | 10/3/2022 |
| 2020-123 | Gaughan Companies Demolition | Shakopee | Closed | - | 8/27/2020 | 8/27/2020 | - | - | 9/16/2020 | - | 9/17/2020 | 9/17/2021 | - | 7/6/2022 | 10/15/2021 |
| 2020-123 (amended) | Shakopee Flats | Shakopee | Closed | | | | | | | | 2/17/2021 | 9/17/2021 | | 7/6/2022 | |
| 2020-126 | Texas Roadhouse | Shakopee | Closed | - | 9/17/2020 | 11/5/2020 | - | - | 11/18/2020 | - | 11/19/2020 | 11/18/2021 | - | 7/1/2022 | 7/26/2022 |
| 2020-132 | 77th Street Underpass | Bloomington | Active Permit | 10/18/2020 | 10/21/2020 | 11/12/2020 | 11/18/2020 | 12/16/2020 | - | - | 7/27/2021 | 7/27/2022 | 7/20/2022 | 7/28/2022 | - |
| 2020-133 | Shakopee Mix Use | Shakopee | Closed | 10/29/2020 | 11/2/2020 | 11/2/2020 | - | - | 11/18/2020 | - | Not Issued | | | | - |
| 2020-135 | Canterbury Crossings | Shakopee | Active Permit | - | 11/19/2020 | 12/3/2020 | - | 12/16/2020 | - | - | 5/11/2021 | 5/11/2022 | 4/20/2022 | 7/26/2022 | - |
| 2021-002 | CSAH 61 Drainage Ditch | Chanhassen | Active Permit | - | 2/1/2021 | 10/11/2021 | - | - | 10/20/2021 | - | 10/21/2021 | 5/31/2022 | 5/18/2022 | - | - |
| 2021-003 | Southwest Logistics Center | Shakopee | Closed | - | 2/11/2021 | 3/12/2021 | - | 3/17/2021 | - | - | 4/21/2021 | 4/21/2022 | 4/20/2022 | 7/1/2022 | 11/22/2022 |
| 2021-007 | Burnsville Cemetery Expansion | Burnsville | Active Permit | 3/5/2021 | 9/2/2021 | 9/17/2021 | - | 10/20/2021 | - | - | 11/17/2021 | 10/20/2022 | - | 7/28/2022 | - |
| 2021-009 | Burnsville Industrial IV | Burnsville | Closed | 4/2/2021 | 3/22/2021 | 3/31/2021 | - | 4/21/2021 | - | - | 4/23/2021 | 4/21/2022 | - | 7/28/2022 | 10/5/2022 |
| 2021-011 | 2021 Street & Utility Reconstruction | Shakopee | Closed | 3/30/2021 | 3/30/2021 | 4/16/2021 | - | 4/21/2021 | - | - | 4/28/2021 | 4/28/2022 | - | 7/6/2022 | 7/25/2022 |
| 2021-012 | Canterbury Park Parking Lots Phase 2 | Shakopee | Closed | 4/1/2021 | 4/2/2021 | 4/10/2021 | - | 4/21/2021 | - | - | 5/11/2021 | 5/11/2022 | - | 7/19/2022 | 7/25/2022 |
| 2021-013 | Summerland Place | Shakopee | Closed | - | 4/8/2021 | 5/27/2021 | - | 4/21/2021 | - | - | 4/26/2021 | 4/22/2022 | - | 6/20/2022 | 3/22/2022 |
| 2021-015 | Stagecoach Rd Improvements | Shakopee | Closed | 4/16/2021 | 4/12/2021 | 4/30/2021 | - | 5/5/2021 | - | - | 5/7/2021 | 5/5/2022 | - | 7/1/2022 | 3/23/2022 |



LMRWD Permit Program Summary — December 7, 2022



| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|------------|---|---------------|---------------|-----------------------|---------------|--------------------------------------|------------------|----------------------|-----------|---------------------|---------------|------------------------|------------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |
| 2021-016 | Whispering Waters | Shakopee | Active Permit | - | 4/14/2021 | 6/4/2021 | - | 6/16/2021 | - | - | 7/13/2021 | 7/13/2022 | 7/20/2022 | 7/13/2022 | - |
| 2021-017 | Capstone 35 | Burnsville | Closed | - | 4/20/2021 | 5/12/2021 | - | 5/19/2021 | - | - | 8/19/2021 | 8/17/2022 | 7/20/2022 | 7/13/2022 | 11/22/2022 |
| 2021-018 | Jefferson Court | Shakopee | Active Permit | - | 4/22/2021 | 5/17/2021 | - | 6/2/2021 | - | - | 6/3/2021 | 6/2/2023 | 7/20/2022 | 7/6/2022 | - |
| 2021-019 | Cretex Site | Shakopee | Closed | 4/23/2021 | 4/26/2021 | 4/30/2021 | - | 5/5/2021 | - | - | 5/7/2021 | 5/5/2022 | - | 7/1/2022 | 5/5/2022 |
| 2021-020 | Core Crossings Apartments (Prev. Southbridge) | Shakopee | Active Permit | - | 6/14/2021 | 7/13/2021 | - | 7/21/2021 | - | - | 8/5/2021 | 6/15/2023 | 6/17/2022 | 7/26/2022 | - |
| 2021-022 | 2021 Safety and Security Center | Fort Snelling | Active Permit | - | 5/18/2021 | 10/29/2021 | - | 11/17/2021 | - | - | 3/18/2022 | 3/18/2023 | - | 7/20/2022 | - |
| 2021-023 | 106th St Improvements | Bloomington | Active Permit | - | 5/25/2021 | 5/28/2021 | - | 6/2/2021 | - | - | 6/17/2022 | 6/17/2022 | 4/20/2022 | 7/28/2022 | - |
| 2021-025 | TH 13 | Savage | Active Permit | - | 6/11/2021 | 6/15/2021 | - | 2/16/2022 | - | - | 5/20/2022 | 5/20/2023 | - | 7/13/2022 | - |
| 2021-027 | Minnesota River Greenway Trail | Eagan | Upcoming | - | 8/17/2021 | 11/2/2021 | - | 11/17/2021 | - | - | - | - | - | - | - |
| 2021-030 | Building Renovation Park Jeep | Burnsville | Active Permit | - | 7/9/2021 | 7/16/2021 | - | 9/15/2021 | - | - | 6/21/2022 | 6/21/2023 | - | - | - |
| 2021-031 | Caribou Coffee | Savage | Closed | 6/1/2021 | 7/9/2021 | 8/10/2021 | - | 8/18/2021 | - | - | 8/19/2021 | - | - | 7/13/2022 | 10/4/2022 |
| 2021-032 | I-35W Auxiliary Lane | Bloomington | Pre-Permit | 5/24/2021; 8/31/21 | - | - | - | - | - | - | - | - | - | - | - |
| 2021-033 | Minnesota MASH & 130th St Extension | Savage | Active Permit | 6/23/2021 | 9/17/2021 | - | - | - | 6/15/2022 | - | 6/17/2022 | 6/17/2023 | - | - | - |
| 2021-034 | Circle K Holiday Station Stores | Savage | Closed | 8/25/2021 | 7/26/2021 | 9/10/2021 | - | 9/15/2021 | - | - | 10/19/2021 | 9/15/2022 | - | 7/13/2022 | 7/12/2022 |
| 2021-035 | I35W Frontage Trail | Burnsville | Active Permit | - | 12/15/2021 | 12/22/2021 | - | 1/19/2022 | - | - | 11/3/2022 | 11/3/2023 | - | - | - |
| 2021-039 | River Bluffs Improvements | Shakopee | Active Permit | - | 7/23/2021 | 8/12/2021 | - | 8/18/2021 | - | - | 10/1/2021 | 8/18/2022 | - | 7/6/2022 | - |
| 2021-040 | Canterbury Independent Senior Living | Shakopee | Active Permit | - | 8/11/2021 | 8/19/2021 | - | 9/15/2021 | 9/15/2022 | - | 8/19/2022 | 10/1/2023 | - | 7/26/2022 | - |
| 2021-041 | Line 0832 | Burnsville | Closed | - | 9/7/2021 | 9/7/2021 | - | 9/15/2021 | - | - | 9/17/2021 | 9/15/2022 | - | 7/28/2022 | 6/27/2022 |
| 2021-042 | Hwy 13 & Lone Oak | Eagan | Active Permit | - | 8/27/2021 | 9/16/2021 | - | 10/20/2021 | - | - | 10/22/2021 | 6/30/2023 | 9/21/2022 | - | - |
| 2021-045 | Triple Crown Residences Phase II | Shakopee | Active Permit | - | 9/22/2021 | 10/27/2021 | - | 11/17/2021 | - | - | 11/19/2021 | 11/17/2023 | 10/19/2022 | 7/26/2022 | - |
| 2021-046 | CenterPoint Dakota Station Facility | Burnsville | Closed | - | 9/21/2021 | 10/15/2021 | - | 10/20/2021 | - | - | 10/22/2021 | 10/22/2022 | - | 7/28/2022 | 9/12/2022 |
| 2021-047 | River Valley Industrial Center | Chanhassen | On Hold | - | 9/21/2021 | - | - | - | - | 10/1/2021 | - | - | - | - | - |
| 2021-048 | Minnesota River Greenway Railroad Bridge | Eagan | Pre-Permit | 9/28/2021 | - | - | - | - | - | - | - | - | - | - | - |
| 2021-049 | Stump Road Maintenance | Bloomington | Closed | 10/20/2021 | 10/22/2021 | 10/29/2021 | - | 11/17/2021 | - | - | 11/19/2021 | 11/17/2022 | - | 7/28/2022 | 9/5/2022 |
| 2021-052 | Shakopee Dental Office | Shakopee | Active Permit | - | 11/3/2021 | 12/14/2021 | - | 12/15/2021 | - | - | 12/17/2021 | 12/15/2022 | - | 7/13/2022 | - |





| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|------------|---|-------------------------|----------------------|------------------------|---------------|--------------------------------------|------------------|----------------------|-----------|---------------------|---------------|------------------------|---------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |
| 2021-057 | Cliff Road Ramp | Burnsville | Active Permit | - | 12/14/2021 | 1/4/2022 | - | 1/19/2022 | - | - | 6/8/2022 | 6/8/2023 | - | 7/13/2022 | - |
| 2021-058 | MAC Gate Security Improvements | Fort Snelling | Active Permit | - | 12/15/2021 | 12/16/2021 | - | 1/19/2022 | - | - | 4/27/2022 | 4/27/2023 | - | 7/28/2022 | - |
| 2021-061 | Merriam Junction Trail | Burnsville | Pre-Permit | 1/31/2022 | - | - | - | - | - | - | - | - | - | - | - |
| 2022-002 | 2022 MBL Nicollet River Crossing | Bloomington, Burnsville | Active Permit | - | 1/18/2022 | - | - | 3/16/2022 | - | - | 4/25/2022 | 4/25/2023 | - | - | - |
| 2022-003 | Ivy Brook Parking East | Burnsville | Active Permit | - | 1/19/2022 | 2/25/2022 | - | 3/16/2022 | - | - | 5/16/2022 | 5/16/2023 | - | - | - |
| 2022-004 | CHS Savage Terminal | Savage | Incomplete | - | 1/27/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-005 | Chaska West Creek Apartments | Chaska | Incomplete | - | 2/8/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-007 | Engineered Hillside | Eden Prairie | Active Permit | - | 2/15/2022 | 3/14/2022 | - | - | 4/20/2022 | - | 4/21/2022 | 4/21/2023 | - | - | - |
| 2022-008 | Ivy Brook Parking West | Burnsville | Active Permit | - | 2/16/2022 | 2/25/2022 | - | 3/16/2022 | - | - | 5/31/2022 | 5/31/2023 | - | - | - |
| 2022-010 | Quarry Lake Pedestrian Bridge and Trail | Shakopee | Conditional Approval | - | 2/24/2022 | - | - | 4/20/2022 | - | - | - | - | - | - | - |
| 2022-011 | Biffs Inc. | Burnsville | Active Permit | - | 2/28/2022 | 3/29/2022 | - | 4/20/2022 | - | - | 8/16/2022 | 8/16/2023 | - | - | - |
| 2022-013 | Normandale & 98th Intersection Improvements | Bloomington | Active Permit | - | 3/22/2022 | 4/1/2022 | - | 4/20/2022 | - | - | 4/22/2022 | 4/22/2023 | - | - | - |
| 2022-014 | TH 41/CSAH 61 Improvements | Chaska | Conditional Approval | 2/16/2021; 1/6/2022 | 3/23/2022 | 5/11/2022 | - | 5/18/2022 | - | - | - | - | - | - | - |
| 2022-015 | Xcel Driveway | Shakopee | Incomplete | - | 4/20/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-016 | Organic Recycling Facility Relocation | Louisville Township | Incomplete | - | 4/20/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-017 | PLOC Channel Stabilization | Shakopee | Active Permit | - | 6/30/2022 | 7/5/2022 | - | - | 7/20/2022 | - | 7/21/2022 | 7/21/2023 | - | - | - |
| 2022-018 | Lakota Lane | Chanhassen | Under Review | - | 4/19/2022 | - | 5/18/2022 | - | - | - | - | - | - | - | - |
| 2022-019 | TH 494 SP 2785-433 | Eagan and Bloomington | Conditional Approval | - | 4/21/2022 | 6/24/2022 | - | 7/20/2022 | - | - | - | - | - | - | - |
| 2022-021 | Oak St N (CenterPoint Energy) | Chaska | Active Permit | - | 4/29/2022 | - | - | - | 6/15/2022 | - | 6/17/2022 | 6/17/2023 | - | - | - |
| 2022-022 | Ace Rent A Car | Fort Snelling | Incomplete | - | 5/10/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-023 | 494 Corridors of Commerce | Fort Snelling | Pre-Permit | 5/3/2022 | 5/19/2022 | - | 7/20/2022 | - | - | - | - | - | - | - | - |
| 2022-024 | Gedney Pickles Holding Pond Restoration | Chanhassen | Active Permit | 6/16/2022 | 8/10/2022 | - | - | 9/21/2022 | - | - | 11/14/2022 | 11/14/2023 | - | - | - |
| 2022-026 | 10521 Spyglass Drive | Eden Prairie | Active Permit | 5/31/2022 | 7/13/2022 | 8/8/2022 | - | - | 7/20/2022 | - | 8/8/2022 | 8/8/2023 | - | - | - |
| 2022-027 | Ivy Brook Parking Northeast | Burnsville | Active Permit | - | 7/5/2022 | - | - | 8/17/2022 | - | - | 8/31/2022 | 8/31/2023 | - | - | - |
| 2022-028 | Quarry Lake Park Restroom | Fort Snelling | Active Permit | - | 7/6/2022 | 7/8/2022 | - | 7/20/2022 | - | - | 7/22/2022 | 7/22/2023 | - | - | - |





| Permit No. | Project Name | City | Status | Pre-Permit Meeting | Date Received | Date Application Considered Complete | Board Actions | | | On Hold / Cancelled | Permit Issued | Permit Expiration Date | Renewed | Inspection Date | Date Permit Closed |
|------------|----------------------------------|--------------|------------------------------|--------------------|---------------|--------------------------------------|------------------|----------------------|----------|---------------------|---------------|------------------------|---------|-----------------|--------------------|
| | | | | | | | Information Only | Conditional Approval | Approval | | | | | | |
| 2022-029 | Reliakor | Shakopee | Closed | - | 7/20/2022 | - | - | 8/17/2022 | - | - | 9/19/2022 | 9/19/2023 | - | - | 10/28/2022 |
| 2022-030 | Frenchies Metals | Chaska | Incomplete | - | 7/22/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-031 | RSI Marine (Great Plains Blvd) | Chanhausen | Pre-Permit | - | 7/18/2022 | - | 8/17/2022 | - | - | - | - | - | - | - | - |
| 2022-034 | Valleyfair Parking Lot Expansion | Shakopee | Conditional Approval | - | 9/26/2022 | 10/11/2022 | - | 10/19/2022 | - | - | - | - | - | - | - |
| 2022-036 | Structures, Inc. | Chaska | <i>Conditional Approval*</i> | - | 10/6/2022 | 12/2/2022 | - | 12/14/2022* | - | - | - | - | - | - | - |
| 2022-037 | Peterson Wetland Bank | Eden Prairie | Pre-Permit | - | 10/3/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-039 | Former Knox Site | Burnsville | Under Review | - | 11/3/2022 | - | - | - | - | - | - | - | - | - | - |
| 2022-040 | Burnsville Sanitary Landfill | Burnsville | Under Review | - | 11/21/2022 | - | - | - | - | - | - | - | - | - | - |

STATUS DEFINITIONS:

- Active Permit:** Applicant has a valid permit issued by LMRWD
 - Cancelled by Applicant:** Applicant withdrew their application for a LMRWD permit
 - Closed:** Applicant has indicated the project has completed construction and that the permit file may be closed
 - Conditional Approval:** LMRWD managers conditionally approved the permit application, pending receipt of additional information from applicant
 - Expired:** Applicant either obtained conditional approval, approval, and/or was issued a permit and the expiration date has passed
 - Incomplete:** Applicant applied for a permit, but the application is incomplete
 - No Permit Required:** Applicant applied for a permit, but during the completeness review, it was determined that the project did not trigger the regulatory thresholds
 - On Hold:** Applicant requested their application be placed on hold
 - Pre-Permit:** Applicant has requested pre-permit application reviews or meetings, but has not yet applied for a permit from LMRWD
 - Under Review:** Permit application is complete and under review by LMRWD staff
- * Staff recommendation only, has not yet been presented to the Board for action*

