MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 HAYWARD AVENUE, OAKDALE, MINNESTOA 55082
Phone 651.796.2227 fax 651.330.7747 www.mscwmo.org

Regular Meeting of the Middle St. Croix Watershed Management Organization
Remotely held as posted on www.mscwmo.org
Physical location - Washington Conservation District, 455 Hayward Ave N
Thursday, June 12th, 2025
6:00PM

1. Call to Order – 6:00PM
   - **a.** Approval of Agenda

2. Approval of Minutes
   - **a.** Draft minutes – May 8th, 2025 **pg. 1-5**
3. Treasurer's Report
   - **a.** Report of savings account, assets for June 12th, 2025
   - **b.** Approve payment of bills for June 12th, 2025

4. Public Comment

5. Watershed Management Plan Update
   - **a.** See Staff Report

6. Old Business

7. New Business
   - **a.** 2024 Watershed Partners Annual Report **pg. 6-29**
   - **b.** 2025 Children's Water Fest Sponsorship **pg. 30-31**

8. Grant and Cost Share Applications
   - **a.** Bird City Gardens Stewardship Grant Reimbursement **pg. 32**

9. Plan Reviews/Submittals
   - **a.** Plan Review and Submittal Summary **pg. 33**
     - i. 16855 21st St S **pg. 34-38**
     - ii. Raymie Johnson Estates **INFO**
   - **b.** Erosion and Sediment Control Inspection Reports **pg. 39-78**

10. Staff Report **pg. 79-81**
11. 1W1P Updates
12. Other
13. Adjourn

Regular Meeting of the Middle St. Croix Watershed Management Organization
Washington Conservation District, 455 Hayward Ave N
Thursday, May 8th, 2025
6:00PM
Present: Brian Zeller, Lakeland Shores; Tom McCarthy, Lake St. Croix Beach; Carly Johnson, Oak Park Heights; Ryan Collins, Stillwater; Dave Millard, Lakeland; John Dahl, Bayport; Administrator Matt Oldenburg-Downing; Amanda Herbrand, WCD

Call to Order
Manager Zeller called the meeting to order at 6:00PM.

Approval of Agenda
Manager Collins motioned to approve the agenda. Manager Johnson seconded the motion. The motion carried with all in favor.

Approval of Minutes
Manager McCarthy motioned to approve the draft April 10th, 2025 board meeting minutes, Manager Dahl seconded the motion. The motion carried with all in favor.

Treasurer's Report
Manager Johnson presented the treasurer's report. The ending checking account balance for April was $99,498.92. First Bank CD's were valued at $213,549.15. The ending value on the RBC savings account from March was $98,346.20. Manager Zeller motioned to approve the report of the savings account and assets for May 8th, 2025. Manager McCarthy seconded the motion. The motion carried with all in favor.

Bills to approve are three bills to the Washington Conservation District for admin, watershed plan, and technical services totaling $14,486.00. Manager Zeller motioned to approve payment of bills for $14,486.00 for May 8, 2025. Manager Collins seconded the motion. The motion carried with all in favor.

Public Comment
None

Watershed Management Plan Update
Update to be given during staff report.

Old Business
None

New Business
2026 Draft Budget

Administrator Oldenburg-Downing presented the 2026 draft budget for approval to be sent to member communities. The draft budget shows an overall increase of 2.81% from the 2025 budget. Manager Zeller motioned to approve the 2026 draft budget, Manager Johnson seconded the motion. The motion carried with all in favor.

Grant and Cost Share Applications

Denuei Stewardship Grant Request

The City of Lakeland residents Bob and Gail Deneui are applying for a MSCWMO Stewardship Grant to enhance their 0.9-acre parcel at 16344 7th St Ct S with native trees, shrubs and perennial vegetation. The project will include invasive species management, seeding, and planting to enhance native plant diversity. The estimated total for the project is $946.00 and the cost share request is for $500.00.

Manager Johnson motioned to approve encumbrance of $500.00 cost share for the Deneui Native Landscaping Project, Manager Dahl seconded the motion. The motion carried with all in favor.

Dibble Stewardship Grant Request

The City of Bayport resident Jim Dibble is applying for a MSCWMO Stewardship Grant to enhance Waterford of the St. Croix HOA property with native trees, shrubs and perennial vegetation. The project will include ash tree replacement and streambank enhancement along Perro Creek. The project estimate is $857.00 and the cost share requested is $500.00.

Manager Zeller motioned to approve encumbrance of $500.00 cost share for the Dibble/Waterford of the St. Croix Native Landscaping Project, Manager Johnson seconded the motion. The motion carried with all in favor.

Kelly Stewardship Grant Request

City of Stillwater residents Tara and Colin Kelly are applying for a MSCWMO Stewardship Grant to enhance their landscape at 1323 1st St S. The project will include 150 square feet of native garden enhancement through addition of 40 native perennial plants. The project estimate is $945.00 and the cost share requested is $500.00.

Manager Collins motioned to approve encumbrance of $500.00 for the Kelly Landscaping Project. Manager McCarthy seconded the motion. The motion carried with all in favor.

Plan Reviews/Submittals

Administrator Oldenburg-Downing notes that on the summary page there are a couple projects with recommendations that are not typical, those recommendations are that the board discuss further.

16670 8th St S

Submittal items were received on March 10th, 2025 for the proposed riprap and slope stabilization at 16670 7th St. South within the MSCWMO boundaries and the City of Lakeland. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it involves grading within 40' of the bluffline. MSCWMO staff recommends approval with three conditions:

1. Ordinary High Water Level (680) and Base Flood Elevation (692) are shown on the plans.
2. The plan provides notes for the installation time frames of erosion and sediment control measures, sediment tracking, inspections, and pollutant prevention.
3. Burial of drain tile is not permitted as an allowable exception of prohibited construction on steep slopes. The plans shall remove drain tile and direct runoff away from the bluff to the maximum extent practicable.

Manager Zeller motioned to approve the project with the three conditions, Manager Millard seconded the motion. The motion carried with all in favor.

850 Quixote Ave N
Submittal items were received on March 5th, 2025 for home and septic reconstruction at 850 Quixote Ave N within the MSCWMO boundaries and the City of Lakeland. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP since it involves reconstruction of more than 500 square feet of impervious surface in the St. Croix Riverway and impacts within the bluffline setback. MSCWMO staff recommends the board discuss the construction within the bluffline setback and staff recommendation to revise and resubmit.

Administrator Oldenburg-Downing asks for further direction from the board. As the plan exists, it does not meet MSCWMO standards due to it proposing construction within the 40' bluffline setback, and Administrator Oldenburg-Downing believes the plan further violates St. Croix Riverway rules. The board states that as presented they would not recommend approval of the project, and that the applicant is able to resubmit if desired after reviewing what aspects of the plan do not meet MSCWMO standards.

Manager Dahl motioned to have Administrator Oldenburg-Downing edit the presented recommendation letter to state that MSCWMO does not recommend approval of the project as presented. Manager Johnson seconded the motion. The motion carried with all in favor.

16855 21st St S
Submittal items were received on March 19th, 2025 for the residential reconstruction at 16855 21st St S located within the MSCWMO boundaries and the City of Lake St. Croix Beach. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan since it involves reconstruction of more than 500 square feet of impervious surface in the St. Croix Riverway and impacts within the bluffline setback. MSCWMO staff recommends the board discuss the construction within the bluffline setback, a variance to Riverway impervious coverage limits and staff recommendation to revise and resubmit. The board states again that as presented they would not recommend approval of the project, and that the applicant is able to resubmit if desired after reviewing what aspects of the plan do not meet MSCWMO standards.

Manager Zeller motioned to have Administrator Oldenburg-Downing edit the presented recommendation letter to state that MSCWMO does not recommend approval of the project as presented. Manager Johnson seconded the motion. The motion carried with all in favor.

13 Point Rd
Submittal items were received on April 15th, 2025 for the home reconstruction at 13 Point Road within the MSCWMO boundaries and the City of Bayport. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it involves reconstruction of more than 500 square feet of impervious surface in the St. Croix Riverway. The proposed project demonstrates complies with MSCWMO performance standards. MSCWMO staff recommends approval with four conditions:

1. Show the DNR OWHL 680 (MSL 1912) on plans.
2. Construction limits and silt fence shall be outside of the 40' bluffline setback.
3. Regulatory flood protection elevation of 694.5' is shown correctly on the plans.
4. Discrepancies between plan contours for rain gardens and labels are corrected.

Manager Zeller motioned to approve the project with the four conditions. Manager Dahl seconded the motion. The motion carried with all in favor.

880 Quixote Ave N
Work was completed without MSCWMO review or a City permit which involved vegetation removal and grading on steep slopes at 880 Quixote Ave N in the City of Lakeland. MSCWMO staff and City of Lakeland staff coordinated on enforcement actions and a restoration plan.

Manager Johnson asks about the fine for damage of City trees in the right-of-way. Manager Zeller notes to the board to check their community fine limits as many are small amounts that haven't been updated.

Erosion and Sediment Control Inspection Reports
Administrator Oldenburg-Downing further discusses 880 Quixote Ave N, there are two inspection reports in the board packet showing conditions on site upon arrival to the violation and a follow-up inspection showing some erosion control measures were put into place. Administrator Oldenburg-Downing states City follow-up with the homeowner and contractor are ongoing.

The two remaining erosion control reports in the board packet are for 1411 Old Toll Bridge Rd and 16530 1st St S which both received A grades, meaning they were in full compliance.

Staff Report
Administrator Oldenburg-Downing reports that the audit is complete, all materials have been submitted. For the Watershed Management Plan Update, Administrator Oldenburg-Downing notes the 60-day comment period has closed and 164 comments were received. Due to the comment period closing less than 14 days ago, those comments were not able to be brought to the May meeting, and will likely be presented at the June meeting. Water monitoring activities continue as normal, Administrator Oldenburg-Downing notes that water clarity on Lily Lake continues to be excellent.

Manager Zeller asks if Administrator Oldenburg-Downing followed up regarding monitoring on the St. Croix River. Administrator Oldenburg-Downing states he reached out to the MPCA and DNR and is awaiting a more detailed response.

1W1P Updates

Minor Amendment to LSCWMP

The Lower St. Croix Watershed Partnership (LSCWP) Policy Committee met on April 28th and recommends that the LSCWP local governing boards approve the following minor amendments to the Lower St. Croix River Comprehensive Watershed Management Plan (Plan). These amendments are not expected to increase the overall cost to administer or implement the Plan.

The full proposed minor plan amendments are included in the board packet. In summary, these amendments change the language to priority location descriptions to expand the priority areas for forest management or woodland stewardship plans, and add the St. Croix River as a priority waterbody.

Manager Zeller motioned to approve the proposed minor amendments, Manager McCarthy seconded the motion. The motion carried with all in favor.

LSC FY23 WBIF Work Plan Revision

The LSCWP Policy Committee met on April 28th and recommends to the Lower St. Croix Watershed Partnership local boards the following work plan revision and budget amendment to the LSC FY23 WBIF grant work plan and budget:

1. Add Forest Management Plans or Woodland Stewardship Plans as an eligible activity under the Targeted Analyses activity.
2. Amend the budget as recommended by the LSC WP Policy Committee on April 28, 2025.
3. Extend the grant agreement expiration date from December 31, 2025 to December 31, 2026.

Manager Zeller motioned to approve the work plan revision and budget amendment to the LSC FY23 WBIF grant work plan and budget. Manager Johnson seconded the motion. The motion carried with all in favor.

Other

Manager Zeller asks if the St. Croix River Tour is happening this year. Administrator Oldenburg-Downing states yes, and that Wild Rivers Conservancy has volunteered to take over planning and ticket sales. He states more information should be available soon.

Adjourn

Manager Zeller motioned to adjourn the meeting, Manager Dahl seconded the motion. The meeting adjourned at 7:09PM.

Metro Watershed Partners

2024 Annual Program Report

Metro Watershed Partners is a coalition of more than seventy public, private and non-profit organizations in the Twin Cities metro area. Through collaborative education and outreach, the Metro Watershed Partners promote a public understanding that inspires people to act to protect water in their watershed. Since 1996, partners have cooperated through educational projects, networking, and resource sharing.

Table of Contents

Metro Watershed Partners 2024 Report

Introduction

Metro Watershed Partners is a coalition of more than seventy public, private and non-profit organizations in the Twin Cities metro area. Through collaborative education and outreach, the Metro Watershed Partners promote a public understanding that inspires people to act to protect water in their watershed. Since 1996, partners have cooperated through educational projects, networking, and resource sharing.

The mission of the Metro Watershed Partners is two-fold:

- to provide and promote collaborative watershed education programs with consistent messages to the general public, local government staff and elected officials, and
- to provide WSP members a place and means to share information, generate ideas, and coordinate and support collaborative watershed education programs.

In 2024, members contributed $187,000 to support monthly meetings, exhibit checkout, administrative functions, state fair outreach, Adopt-a-Drain, and the Clean Water Minnesota outreach campaign.

Leadership

The work of **Metro Watershed Partners** is guided by a steering committee that includes stormwater education professionals from watershed organizations, nonprofits and government agencies. In 2024, our steering committee members were:

Angie Hong, Washington Conservation District
Ann Zawistoski, Hamline University, Center for Global Environmental Education
Jessica Miller, Dragons Wynd Entomology Outreach
Kris Meyer, Freshwater
Kristin Seaman, City of Woodbury
Lauren Letsche, City of Columbia Heights
Nick Voss, Vadnais Lake Area Watershed Management Organization
Sofie Wicklund, Hamline University, Center for Global Environmental Education
Tracy Fredin, Hamline University, Center for Global Environmental Education

Nick Voss and Lauren Letsche left the steering committee in 2024 due to job changes. We are so thankful for their service and leadership in the group.

Metro Watershed Partners Activities and Accomplishments

Networking and Sharing Information

The Watershed Partners hold monthly meetings that give members an opportunity to network, share information, generate ideas, and form partnerships. These meetings feature presentations by experts in the fields of education, legislation, marketing, and watershed management.

In 2024, The Watershed Partners held 10 meetings, 6 of which were held virtually via Zoom with an average of 30 members attending each meeting. While our Zoom meetings tend to have a higher attendance, we plan to continue to meet in a variety of formats, both in-person and online to facilitate networking and provide a forum in which the most people can participate. The Zoom format allows us to record and share the presentations to those who were not able to attend and can be found on our YouTube playlist. We were thrilled to be able to once again come together in person in December for our annual year-end potluck, which was graciously hosted by the Mississippi Watershed Management Organization.

Our monthly meetings are a valued part of the Watershed Partners program that facilitates watershed education in Minnesota. We will continue offering these monthly gatherings in 2025, both virtually and in person.

On the annual boat ride on the Mississippi River in June

2024 Watershed Partner Meetings - Topics and Presenters

Links to the meeting recordings are provided when available

Month	Topic	Presenters	Attendance
January	Long-Term Care of Natural Landscapes and Clean Water Planting Projects	Angie Hong, Washington Conservation District Jennifer Ehlert, Metro Blooms	33
February	Legislative Update	Aaron Klemz, MCEA Carly Griffith, MCEA	34
March	Strategic Planning and Conversations (in person at CRWD)	Ann Zawistoski, Hamline University, Break-out meetings of subcommittees	19
April	Artists in Residence	Kyle Axtell, South Washington Watershed District Britta Dornfeld, Environmental Initiative	25
May	AmeriCorps Members Mini Presentations	AmeriCorps Members: Hannah Peterson, Becka Krasky, Lori Maxfield, Thomas Hayden, Phil Davies, Angela Hugunin	29
June	June Boat Ride (in person on Magnolia Blossom River Boat)	Madeline Hayden, Minnesota Aquatic Invasive Species Research Center Colleen O'Connor Toberman, Friends of the Mississippi River Hiro Hayashi, Fishing For All	45
September	Middle Rice Creek Restoration Tour	Matt Kocian, Rice Creek Watershed District	11
October	Chloride Engagement Campaigns	Jessica Wilson, City of Edina	30
November	Community Engagement Discussions	Tara Jebens-Singh, Many Faces, Many Stories	41
December	End of Year Potluck with Lighting Round: Outreach Projects (in person at MWMO)		35

Mobilize

The Metro Watershed Partners listserv is a forum for watershed educators and other industry professionals throughout the state to share information and resources. In 2024, the Metro Watershed Partners listserv provided 315 members with an effective tool to promote watershed education, share information about professional programs, and exchange information with other watershed educators, legislators, and government agencies.

Our listserv is hosted by Mobilize.io, an online interactive communications platform for discussions, chat, events, files, and networking that is accessible online, via email, and mobile app.

The listserv can be found at:
https://watershedpartners.mobilize.io

Messages can posted online to a feed or sent via email:
watershed-partners@groups.mobilize.io

This is a private forum and anyone who would like to be added to the Mobilize group should send an email request to swicklund02@hamline.edu.

Exhibit Checkouts

The Metro Watershed Partners offers multiple exhibits that can be checked out for free by partners and volunteer groups. Some have a general watershed and nonpoint source pollution focus, including Tables 2 and 3 (pictured below) and the Eutrophication exhibit-in-a-box. We also offer an Adopt-a-Drain tabletop exhibit and bean bag toss game. In 2023, we designed and created a smaller bean bag toss that fits perfectly on a table.

In 2024, our exhibits were used for at least 13 community events in the Twin Cities area. In addition to exhibits, you may request free Adopt-a-Drain handouts for your event, and swag items (hats, water bottles, tote bags, etc) are available for purchase.

View more info about exhibit checkouts at cleanwatermn.org/partners/exhibit-check-out/

Adopt-a-Drain Exhibit-in-a-Box

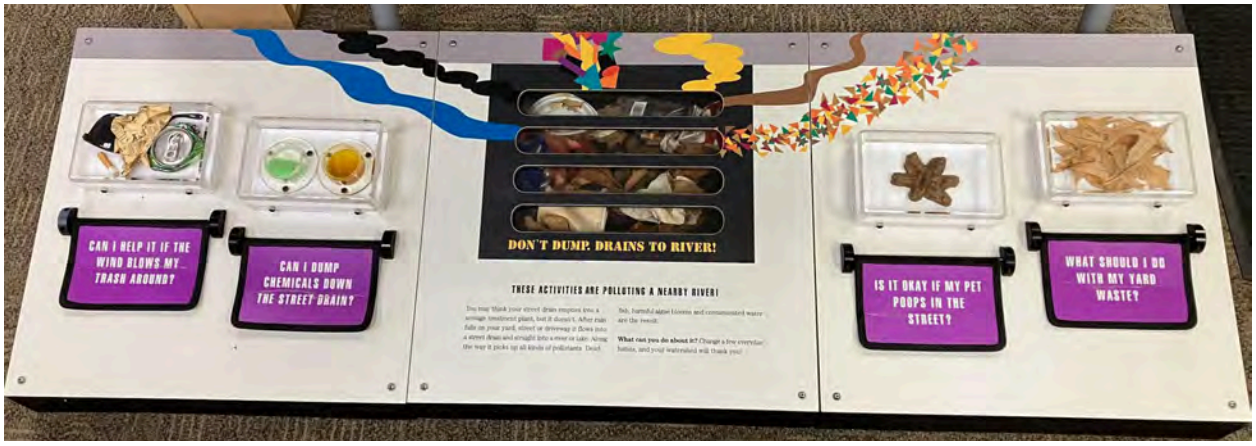
Eutrophication Exhibit-in-a-Box

Table 2: "What is your Watershed Address?"

A map of the Minneapolis/St. Paul metropolitan area and the state of Minnesota with puzzle pieces to lift and reveal the name of the watershed in which one lives. Graphic panels give more information and depict the larger watersheds of the entire United States. Fits on a 6-foot table.

Table 3: “Your Street Flows to the River”

Exemplifies how everyday activities in our own yards and driveways can impact the entire watershed. Many people are unaware that the water that flows into the storm drains in their street goes directly to the lakes and rivers of their community and carries with it the pollutants that cause the lakes and streams to become fouled. Fits on a 6-foot table.



Bean Bag Toss

Full-size (4’ x 2’)

Tabletop (2’ x 1’)

Clean Water MN Update

Clean Water MN is the collaborative outreach project of the Metro Watershed Partners. Working together, we provide resources, training, and support to partners as they work to inspire residents in the Twin Cities metro area to keep water clean and healthy.

Cleanwatermn.org features seasonally-appropriate stories about metro area residents taking action at home and in their lives to keep Minnesota water clean and healthy. The stories are designed for partners to use in their own communications—via websites, Facebook, Twitter, and newsletters. Each story also includes a suite of professional photographs, accessible to partners online for use in their own stories and publications.

The cleanwatermn.org website also features informational pages, calls to action, information about the partnership, educational resources, and a list of our partners. While the stories on the website are no longer updated as often as previously, we believe that the information provided there is evergreen and we will continue maintaining the site. In fact, the Clean Water MN website continues to be visited, having received 7,000 views in 2024. We encourage our partners to continue to share the resources and information on that site with their residents.

As the social media landscape has evolved, the needs of the Metro Watershed Partners have shifted as well. Platforms are now prioritizing native video and image content and deprioritizing links to external content. In response, we plan to continue investing in a robust digital resource library in 2025 which will facilitate the curation and sharing of high quality images, videos, and other materials. We hope to transform the Cleanwatermn.org site to become a portal to many varied types of resources for learning and sharing.

Top 5 Pages on Clean Water MN by number of views in 2024

Page	Number of views
Home Page - Clean Water Minnesota	1,523
Choose clean lakes for safer swimming - Clean Water Minnesota	886
Is my lake safe? Learn what to look for to answer this question.	819
Using Sidewalk Salt Responsibly - Clean Water Minnesota	614
Resources Archive - Clean Water Minnesota	558

Adopt-a-Drain

Activities & Accomplishments in 2024

Adopt-a-Drain continues to expand throughout greater Minnesota, with the Sauk River and St. Louis Watersheds joining Adopt-a-Drain and Little Canada joining the Metro Watershed Partners. Statewide this year 2,115 new participants signed up to adopt over 3,950 additional storm drains.

In the Metro Watershed areas, we continue to see a steady growth in the program year over year, with an 15% increase in participants in 2024. Over 102,000 lbs of debris were cleaned up by MSW Adopt-a-Drain participants this year, with 2,622 members reporting their work, for a reporting rate of 26%. Participants spent a combined total of 4,155 hours, or 173 days, keeping their streets and storm drains clean.

We had many reasons to celebrate in October of this year. That month marked our 10 year anniversary of the Adopt-a-Drain program. We had our 24,000th drain adopted in MN, and received the Water Environment Federation's Public Communication and Outreach Award!

2024 Adopt-a-Drain metrics for Metro Watershed Partners

Debris Type Removed	Amount (lbs)
Brown Leaves	59,264.5
Grass and Green Leaves	5,582.3
Sediment and dirt	32,361.2
Trash	4,978.9
Pet Waste	11.9
Salt	513.8
Total	**102,712.5**

Monthly Breakdown of Storm Drain adoptions and cleanings

Month	New Participants	Drains Adopted	Debris collected (lbs)	Time spent (hrs)	Number of Drains Cleaned
January	34	57	20,905.80	665.0	620
February	26	40	2,773.28	92.5	205
March	42	94	3,516.28	92.9	202
April	111	254	14,971.54	241.8	535
May	88	139	6,912.91	468.8	385
June	75	132	8,982.80	135.4	344
July	78	179	10,193.32	1396.2	361
August	432	623	8,499.59	149.3	360
September	218	383	5,426.35	116.5	352
October	112	166	8,952.73	145.4	303
November	95	125	32,152.72	552.6	946
December	17	29	7,310.78	98.4	174
TOTALS	**1,328**	**2,221**	**130,598.1**	**4,154.6**	**4,787**

2024 Adopt-a-Drain National Program Survey

In 2024, we once again conducted research of adopt-a-drain programs throughout the United States. We found around 250 active programs at the city, watershed, county, and state levels. More than half of those programs (140+) are part of Adopt-a-Drain network, showing just how far-reaching the work of the Watershed Partners is. Adopt-a-Drain partners are now in 12 states (MN, WA, CA, UT, MI, MO, LA, GA, FL, VT, MA, NJ) with plans underway to onboard new states over the next year.

We also looked at the success of the adopt a drain programs around the country by comparing the number of drains adopted with that city's population. We're happy to report that cities within the Watershed Partners often ranked at the top by that metric.

Numbers in the charts below were retrieved from the program's website as of December, 2024. Cities that are Metro Watershed Partners members are highlighted in blue. Cities that are members of the Adopt-a-Drain.org program are marked with an asterisk.

Large-sized cities of over 100,000 people:

Rank	City	Population	Number of Adopted Drains	Adopted drains per 1,000 people
1	**Minneapolis, MN***	**429,954**	**7606**	**17.7**
2	**Saint Paul, MN***	**311,527**	**4037**	**13.0**
3	San Francisco, CA	808,000	6765	8.4
4	Grand Rapids, MI	197,416	1658	8.4
5	**Rochester, MN***	**121,395**	**785**	**6.5**

Medium-sized cities of between 10,000-100,000 people:

Rank	City	Population	Number of Adopted Drains	Adopted drains per 1,000 people
1	**Columbia Heights, MN***	**21,973**	**341**	**15.5**
2	Red Wing, MN*	16,547	245	14.8
3	Berkeley Heights, NJ*	13,292	189	14.2
4	Newcastle, WA*	12,100	151	12.5
5	**White Bear Lake, MN***	**24,883**	**283**	**11.4**

Small cities of under 10,000 people:

Rank	City	Population	Number of Adopted Drains	Adopted drains per 1,000 people
1	New London, MN*	1,252	37	29.6
2	Lake Crystal, MN*	2,539	44	17.3
3	**Lauderdale, MN***	**2,271**	**38**	**16.7**
4	Spicer, MN*	1,112	12	10.8
5 (tie)	**Circle Pines***	**5,025**	**54**	**10.7**
5 (tie)	Duvall, WA*	8,034	86	10.7

Minnesota Twins Game

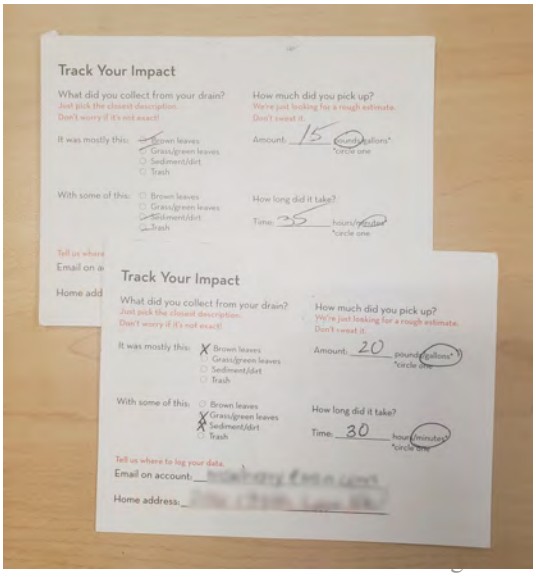
On Saturday, May 4th, 2024, we held an appreciation event at the Minnesota Twins game for the Metro Watershed Partners and our Adopt-a-Drain participants. Around 500 people attended, buying reduced rate tickets in our section in the home run porch. We were able to participate in a pre-game parade around the field and free Adopt-a-Drain hats were provided to everyone in our section. Watershed Partner members and teachers who had participated in the Adopt-a-Drain K12 program that year were provided free tickets to the game.

Lining up for the parade around the field and walking the field before the game.

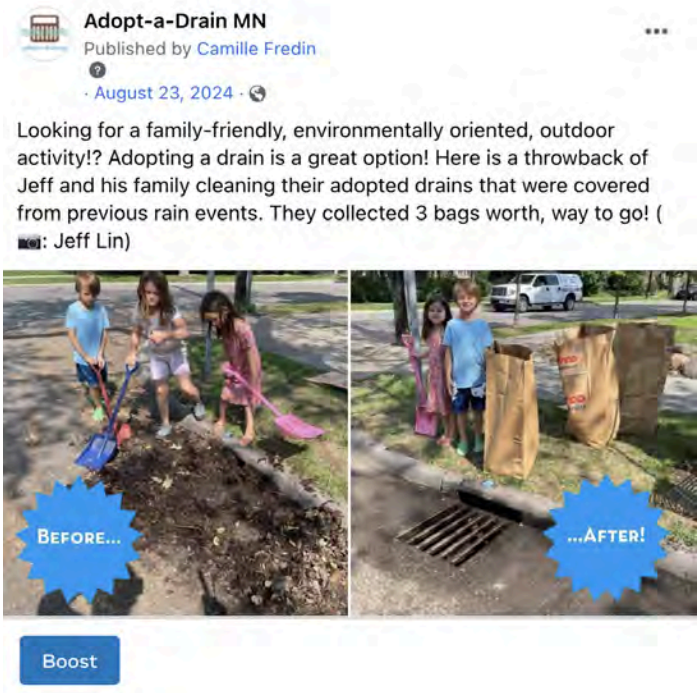
End of year reporting postcards

Throughout the year, Adopt-a-Drain participants are encouraged to stay engaged and report their work via timely newsletter reminders and automated email reminders that send on a schedule chosen by the participant (monthly, quarterly, or twice per year).

In November, we sent a postcard to all participants who had not yet reported their work online, and received an additional 640 responses from Minnesota participants.



Social Media Promotion in 2024



In 2024, our Social Media team focused on posting high-quality and consistent content across all of our social media platforms. We implemented strategic tactics to gain followers, increase engagement and reach a large audience on all of our Adopt-a-Drain social media accounts. At the end of 2024, we had 2,357 Instagram followers and 1,764 Facebook followers, an increase of 6% and 14.8% respectively over 2024. The content focused on spotlighting awesome drain adopters who help keep their local waterways and communities clean.

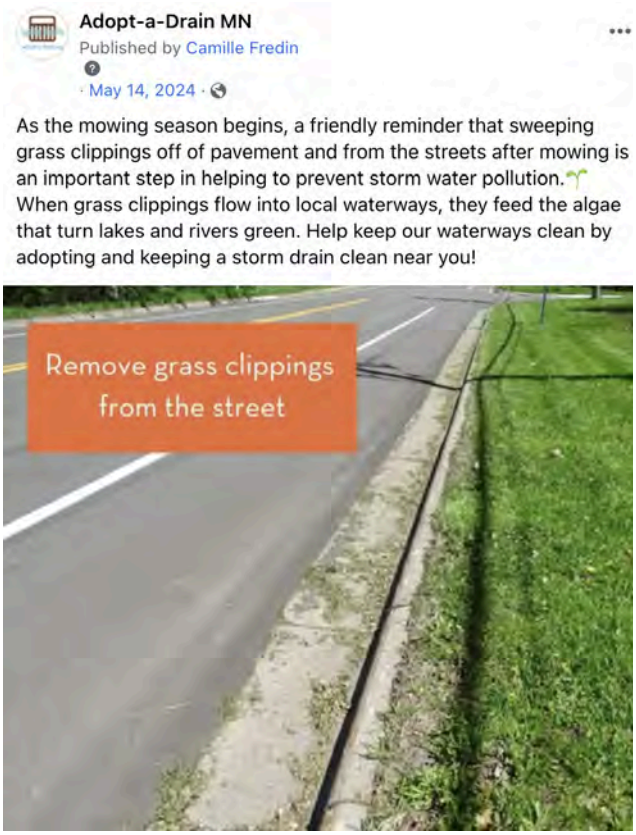
For Earth Day, we created a social media campaign that encouraged people to report their drain cleanings by offering free t-shirts for any current drain adopter who cleaned their drain and reported it or signed up for the program and reported a cleaning during Earth week (April 20 to April 30). This led to 561 people reporting their cleanings and 350 of those people requested to be sent a t-shirt. Amount collected = 11,395 lbs.

In 2025 we will continue to focus on posting high-quality and consistent content as we strive to educate and engage our current audience and simultaneously continue to reach new audiences.

Social Media Impressions in 2024

Adopt-a-Drain's social media reached a large number of people this year. On Facebook our posts reached over 100,000 people, while our Instagram posts reached over 69,000 people. The posts following the chart were some of our top posts by number of views. Adopt-a-Drain social media accounts don't only focus on the Adopt-a-Drain program; they also share quality content about water stewardship and other environmental actions that followers can take outside of storm drain cleaning alone.

Month	Facebook	Instagram
January	7,314	6,027
February	3,958	4,902
March	3,607	6,122
April	10,412	4,285
May	7,165	4,859
June	10,465	5,710
July	17,648	5,991
August	11,899	6,986
September	8,424	5,760
October	11,668	6,979
November	4,740	5,723
December	3,373	5,889
TOTAL	**100,673**	**69,233**



Other Social Media Post Highlights in 2024

Adopt-a-Drain MN
Published by Camille Fredin
· October 1, 2024 ·

We can't "be-leaf" it's already October! 🍁 While leaves might be "natural" debris they become pollution when large quantities hit the water and break down becoming food for algae. So get ready to "Sweep up! Rake up! Pick Up!"
So far AAD participants in MN have kept over 765,000 pounds of debris from local storm drains! Help us track our impact by reporting what you collect after your drain cleaning at mn.adopt-a-drain.org.

Adopt-a-Drain MN
Published by Camille Fredin
· April 22, 2024 ·

Happy #EarthDay to the over 12,700 participants in the Adopt-a-Drain MN program! 🌎 Join thousands of drain adopters in the Twin Cities area today and help do your part to keep your local waterways clean.

Bonus for this years Earth Day: We're offering free t-shirts for anyone who cleans their drain and reports it OR signs up for the program and reports a cleaning during Earth week (April 20 to April 30).

Follow these easy steps:
1. Log into your account at adopt-a-drain.org
2. Click on "track impact"
3. Enter your best guess of the total amount you've collected from all of your drains since you last reported.

#AdoptaDrain #EarthDay2024

Adopt-a-Drain Brand Standards and Marketing Materials User Guide

Remember to check out the guide we've developed to help partners promote Adopt-a-Drain in their communities. Access the most up-to-date guide at: https://ms4.adopt-a-drain.org/marketing-guide

In this guide, you will find concise guidelines for using the Adopt-a-Drain brand, as well as a visual resource that guides you through accessing and utilizing the most up-to-date print and digital resources to promote the Adopt-a-Drain program in your community. We continue to refine and update print and digital assets, so take a minute to peruse this guide to find out about promotional resources you might not know about. For example, you can now download design files that will allow you to order Adopt-a-Drain merchandise such as hats, water bottles and tote bags directly from the vendor.

Access and download the standard marketing materials in Google Drive.

Education and Outreach at the Minnesota State Fair

The Minnesota State Fair in 2024 saw over 1.9 million total visitors over the 12 day running time, slightly higher attendance levels than what was seen in 2023. The Eco Experience building saw an estimated 218,000 visitors. The Metro Watershed Partner's Adopt-a-Drain exhibit was also very busy; we took over 3,300 photos of visitors in the Adopt-a-Drain photo booth during the course of the fair. The exhibit included many hands-on activities that introduced visitors to information about nonpoint source pollution and actions they could take to protect their waterways.

This year, Wisconsin residents could adopt a drain for the first time at the Minnesota State Fair; in addition we were able to sign up visitors from participating communities in Michigan and Washington. The Adopt-a-Drain exhibit also had a surprise

visit from Minnesota Lieutenant Governor Peggy Flanagan.

Over the twelve days of the fair, 744 Minnesotans in 108 different cities signed up to adopt storm drains. 740 of these new participants signed up on a kiosk at the Eco Experience building and received a drawstring backpack, an informational packet and a small yard sign that reads “We protect Minnesota lakes, rivers, and wetlands.”

We had 31 volunteers sign up to help our staff run the Adopt-a-Drain exhibit. Many of those volunteers came from our outreach to the Watershed Partners and Water Stewards. Our staff and volunteers had the opportunity to chat with current participants in the program, answer their questions, and talk about how their actions help protect our waterways. Many, many thanks to everyone who volunteered to help for making the exhibit a great success! We look forward to returning to the Great Minnesota Get-Together in 2025!

State Fair 2024 Summary

Day	Adopt-a-Drain New Participants	Drains Adopted	Photobooth photos taken
Thursday 8/22	44	44	339
Friday 8/23	62	77	296
Saturday 8/24	80	83	291
Sunday 8/25	45	50	206
Monday 8/26	26	50	153
Tuesday 8/27	48	60	253
Wednesday 8/28	68	94	296
Thursday 8/29	47	60	160
Friday 8/30	76	103	372
Saturday 8/31	73	88	319
Sunday 9/1	105	126	350
Monday 9/2	66	98	283
TOTAL	**740**	**933**	**3,318**

New participants signed up at the State Fair from across our Watershed Partners member areas. The chart below shows the number of new drains adopted for member cities, counties and watersheds.

New Drains Adopted at the State Fair by City, County & Watershed

City	Drains Adopted
Andover	10
Blaine	15
Bloomington	19
Circle Pines	2
Columbia Heights	4
Crystal	6
Eden Prairie	17
Edina	17
Fridley	2
Hastings	3
Hopkins	4
Lakeville	9
Minneapolis	250
Minnetonka	11
Mound	1
New Brighton	5
Richfield	29
Rochester	4
Roseville	22
Saint Cloud	4
Saint Louis Park	14
Saint Paul	148
Shoreview	5
Wayzata	2
White Bear Lake	4
White Bear Township	1
Woodbury	20

Watershed	Drains Adopted
Bassett Creek	50
Browns Creek	1
Capitol Region	134
Comfort Lake Forest Lake	1
Coon Creek	29
Eagan-Inver Grove Heights	11
Elm Creek	23
Lower Mississippi River	38
Minnehaha Creek	170
Mississippi	126
Nine Mile Creek	33
Ramsey Washington	50
Riley-Purg-Bluff Creek	22
Shingle Creek	23
South Washington	20
Vadnais Lake Area	4
Vermillion River	18
West Mississippi	10
County	**Drains Adopted**
Anoka County	52
Carver County	9
Hennepin County	472
Washington County	46

2024 Financial Report

Partners contributed $186,999 to the Watershed Partners in support of meetings, state fair outreach, administration, exhibit development (including maintenance and checkout), Adopt-a-Drain, and the Clean Water MN website and public outreach campaign. While our revenue was slightly lower than projected, we remain in good financial standing. We shifted some of the planned work on the digital resource library to 2025 t o meet our budget. We plan to continue that work in 2025 along with supporting our new Chloride initiative. We will not be raising our dues, but do hope to add new member cities to the Metro Watershed Group in 2025.

Supporting Members of the Metro Watershed Partners in 2024

Andover
Anoka Conservation District
Bassett Creek WMC
Blaine
Bloomington
Brown's Creek Watershed District
Capitol Region Watershed District
Carver County
Circle Pines
Columbia Heights
Coon Creek Watershed District
Crystal
Eagan-Inver Grove Heights WMO
East Metro Water Resources
Eden Prairie
Edina
Elm Creek WMC
Excelsior
Fridley
Hastings
Hennepin County
Hopkins
Lakeville
Lauderdale
Little Canada
Lower Mississippi River WMO
Middle St. Croix WMO
Minneapolis
Minnehaha Creek Watershed District
Minnetonka
Mississippi WMO
Mound
New Brighton
Nine Mile Creek Watershed District
Pioneer-Sarah Creek WC
Ramsey-Washington Metro Watershed District
Rice Creek Watershed District
Richfield
Riley Purgatory Bluff Creek Watershed District
Rochester
Rosemount
Roseville
Saint Louis Park
Saint Paul
Shingle Creek WMC
Shoreview
South Washington Watershed District
Vadnais Lake Area WMO
Vermillion River Watershed JPO
Washington Conservation District
Wayzata
West Mississippi WMC
White Bear Lake
White Bear Township
Woodbury

Watershed Partners 2024 Accounting

	IN-KIND	CASH	TOTAL
REVENUE			
2023 Funds rollover		$14,241.28	$14,241.28
2024 Membership		$186,999.00	$186,999.00
Total revenue		$201,240.28	$201,240.28
EXPENSE			
1. Watershed Partners Coordination			
Principle Investigator	$2,500.00	$8,481.43	$10,981.43
Program Coordination	$9,000.00	$18,000.00	$27,000.00
Steering Committee	$32,400.00		$32,400.00
Mobilize annual membership		$588.00	$588.00
Technology maintenance	$1,400.00	$1,375.42	$2,775.42
Meeting expenses		$3,268.13	$3,268.13
Postage and printing		$100.00	$100.00
Subtotal	$45,300.00	$30,269.43	$75,569.43
2. Watershed Exhibit Implementation			
Exhibit coordination	$4,500.00	$4,728.00	$9,228.00
State fair expenses	$2,700.00	$25,394.00	$28,094.00
Storage and check-out	$5,000.00		$5,000.00
Subtotal	$12,200.00	$30,122.00	$42,322.00
3. Clean Water MN			
Web hosting and maintenance		$1,400.00	$1,400.00
Earth Month Campaign and MN Twins Event		$7,619.77	$7,619.77
Image and video digital resource library		$6,000.00	$6,000.00
Media curation		$4,000.00	$4,000.00
Subtotal	$0.00	$19,019.77	$19,019.77
4. Adopt-a-Drain			
Site license	$6,900.00	$30,000.00	$36,900.00
Program coordination		$29,000.00	$29,000.00
Program implementation		$17,000.00	$17,000.00

	IN-KIND	CASH	TOTAL
Social media and communications		$9,000.00	$9,000.00
Promo merch		$0.00	$0.00
End of year mailing		$2,202.30	$2,202.30
Website work and graphic design		$7,000.00	$7,000.00
Subtotal	$6,900.00	$94,202.30	$101,102.30
TOTAL	**$64,400.00**	**$173,613.50**	**$238,013.50**
ADMINISTRATION FEE		**$17,361.35**	**$17,361.35**
TOTAL (INCL. ADMIN)	**$64,400.00**	**$190,974.85**	**$255,374.85**

2024 Rollover: $10,265.43

Watershed Partners Projected 2025 Budget

	IN-KIND	CASH	TOTAL
REVENUE			
2024 Funds rollover		$10,265.43	$10,265.43
2024 Membership		$190,000.00	$190,000.00
Total revenue		$200,265.43	$200,265.43
EXPENSE			
1. Watershed Partners Coordination			
Principle Investigator	$2,500.00	$8,481.43	$10,981.43
Program Coordination	$9,000.00	$18,000.00	$27,000.00
Steering Committee	$32,400.00		$32,400.00
Mobilize annual membership		$588.00	$588.00
Technology maintenance	$1,400.00	$1,000.00	$2,400.00
Meeting expenses		$3,000.00	$3,000.00
Postage and printing		$150.00	$150.00
Subtotal	$45,300.00	$31,219.43	$76,519.43
2. Watershed Exhibit Implementation			
Exhibit coordination	$4,500.00	$4,728.00	$9,228.00
State fair expenses	$2,700.00	$27,000.00	$29,700.00
Storage and check-out	$5,000.00		$5,000.00
Subtotal	$12,200.00	$31,728.00	$43,928.00
3. Clean Water MN			
Web hosting and maintenance		$2,500.00	$2,500.00
Photo and video resource library		$10,000.00	$10,000.00
Media curation		$4,000.00	$4,000.00
Earth Month Campaign and Event		$6,000.00	$6,000.00
Subtotal	$0.00	$20,000.00	$20,000.00
4. Adopt-a-Drain			
Site license	$6,000.00	$30,000.00	$36,000.00
Program coordination		$29,000.00	$29,000.00
Program implementation		$17,000.00	$17,000.00

	IN-KIND	CASH	TOTAL
Social media and communications		$9,000.00	$9,000.00
Promo merch		$0.00	$0.00
End of year mailing		$2,500.00	$2,500.00
Website work and graphic design		$7,000.00	$7,000.00
Subtotal	$6,000.00	$94,500.00	$100,500.00
TOTAL	**$63,500.00**	**$177,447.43**	**$240,947.43**
ADMINISTRATION FEE		**$17,744.74**	**$17,744.74**
TOTAL (INCL. ADMIN)	**$63,500.00**	**$195,192.17**	**$258,692.17**

2025 Projected Rollover: $5,073.26

June 6, 2025

Dear Matt Oldenburg-Downing,

We are kicking off the fund-raising campaign for the **28th annual Metro Children's Water Festival (MCWF)**. We are excited again this year to be inviting around 1,900 4th graders!

What is the Metro Children's Water Festival?
The festival is an interactive, hands-on, educational outreach program. The festival educates, motivates and challenges children to understand, conserve and protect water resources. It is one of the premier K-12 education events in the metro area and helps teachers achieve state and school district science standards for 4th grade. The festival is one of the largest education collaborations in the metro area and has been increasing awareness of water issues and solutions in students and adults for more than 25 years. Since it began in 1998 over 30,000 students have attended the in-person festivals.

Why sponsor the Children's Water Festival?

- It provides free education on water resources to 4th graders in the metro area.
- It inspires students to learn more about water resources and protect clean water for future generations.
- It provides science enrichment that helps teachers meet state education standards.
- It creates enthusiasm and awareness around one of our most precious resources.
- Be recognized as a business or entity that supports water and environmental learning. Sponsors are recognized at the festival, in the festival booklet, on https://metrocwf.org/sponsors/, through press releases and articles, and receive a certificate of sponsorship. We can provide the CWF logo to put on your website.

How will funds be used?
The festival is provided free to students. Sponsored funds cover rental charges for the State Fair Grounds where it's hosted, presenter fees, food & beverages for volunteers and presenters, materials for certain activities, and website hosting and maintenance. Sponsorship also covers some busing costs for schools that cannot afford transportation. Most organizers and the planning committee members are from public and private agencies that volunteer their time and expertise.

How to sponsor
Fill out and return the enclosed sponsor form. Thank you for supporting this event that gives so much to the children of Minnesota and identifies the metro area as a national leader in environmental stewardship.

Learn more at https://metrocwf.org/

Thank you,

A Atcheson

Adriana Atcheson
Metro Children's Water Festival Planning Committee
651-430-6716 or adriana.atcheson@washingtoncountymn.gov

Metropolitan Conservation Districts

2025 METRO CHILDREN'S WATER FESTIVAL

SPONSOR FORM

Sponsors will be recognized in the Festival Program, at Festival site, in press releases, on the website and will receive a certificate of sponsorship. The Festival Program will be distributed to all participants (teachers, presenters, sponsors and volunteers) at and after the Festival.

_______We would like to be a Festival sponsor by funding educational materials, presenters and facility rental: (*Please circle one.)*

$250 **$500** **$1000** **$2000** **Other $_______**

_______We would like to donate materials (e.g. t-shirts, food, etc.), services or volunteers. Please ask a Festival organizer to call____ at _______________

(contact person) *(phone number)*

_______We would like to sponsor a school(s) by paying for transportation costs: (approx. $450/bus.)

_______We would be interested in having a company representative help the day of the event.

- -

Please make check payable to: Metro Conservation Districts

CONTACT NAME____**DATE**____________________

COMPANY____

(Please print this exactly as you wish it to appear in the program.)

ADDRESS____

(Street, City or Town, Zip)

PHONE______________________________ **E-MAIL**_________________________________

PLEASE RETURN TO:

Adriana Atcheson
Washington County
Department of Public Health & Environment
14949 62nd Street North
Stillwater, MN 55082

Metro Children's Water Festival

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

MEMORANDUM

TO: Middle St. Croix Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Specialist, Washingon Conservation District
DATE: June 5, 2025
RE: Request for Reimbursement – Gorski/Bird City Gardens

On February 13th, 2025 the MSCWMO board approved cost share encumbrance of up to $500 for the installation of a 5,000 square-foot native demonstration garden at the Mulberry Ravine Bird Station owned and operated by the 501c3 nonprofit "Bird City Gardens" (419 Greeley St N, Stillwater, MN 55082). The landowner completed the project in June of 2025 with assistance from contractor and volunteer labor with a total cost of $7,050.05 ($3,830.05 in materials). Over 1,000 native perennials, trees, and shrubs were installed as a part of this project with additional cost-share assistance from the Washington Conservation District via the BWSR Pollinator Pathways program in the amount of $5,000.

Project Estimate: $13,000.00
Actual Expenditure: $7,050.05
Cost Share Encumbered: $500.00

Requested Board Action: Motion by Board Member 1, seconded by Board Member 2, to approve reimbursement of $500.00 cost share for the installation of the Gorski/Bird City Gardens demonstration garden at the Mulberry Ravine Bird Station, 419 Greeley St N, Stillwater, MN 55082.

Location & Photos:

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

MEMORANDUM

TO: Matt Oldenburg-Downing, Administrator
FROM: Rebecca Nestingen, PE
DATE: June 9, 2025
RE: 9a) Plan Reviews/Submittals

The following is a summary of recent activity on projects submittals which qualify for plan review under the MSCWMO 2015 Watershed Management Plan (WMP):

- **16855 21st St S.** Submittal items were received on March 19th, 2025 for the residential reconstruction at 16855 21st St S located within the MSCWMO boundaries and the City of Lake St. Croix Beach. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it involves reconstruction of more than 500 square feet of impervious surface in the St. Croix Riverway and impacts within the bluffline setback. The applicant revised and resubmitted plans on May 19th to meet bluffline setbacks to the maximum extent practicable. *MSCWMO staff recommends approval with one condition.*
- **836 Minnesota Street.** Submittal items were received on May 14th, 2025 for a parking lot expansion that was completed without a MSCWMO review or City of Bayport permit. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it involves more than 500 square feet of impervious surface in the St. Croix Riverway. *MSCWMO staff are awaiting a complete submittal with rate control addressed.*
- **Raymie Johnson Estates.** Submittal items were received on May 22nd, 2025 for parking lot expansion and improvements at 14830 58th St N within the MSCWMO boundaries and the City of Oak Park Heights. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it involves reconstruction of more than 6000 square feet of impervious surface. *MSCWMO staff recommends the applicant revise and resubmit to address the shortfall in required volume control and rate control at all discharge points.*

MIDDLE ST. CROIX
WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Ave N
Oakdale, MN 55128
651-796-2227
www.mscwmo.org

June 9, 2025 ~~May 23, 2025~~

Dave Engstrom
City of Lake St. Croix Beach
16455 20rh Street S
Lake St. Croix Beach, MN 55043

Dear Mr. Engstrom,

The Middle St. Croix Watershed Management Organization (MSCWMO) received revised submittal items on March 19th, 2025 for a residential reconstruction at 16855 21st St S within the MSCWMO boundaries and the City of Lake St. Croix Beach. The MSCWMO received revised plans May 19th, 2025 with bluffline setbacks satisfied to the maximum extent practicable. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP). The MSCWMO board recommends approval with the following one condition:

1. ~~The trees removed south of proposed home should be replaced in-kind on the parcel~~
2. ~~Redundant perimeter control is required upgradient of the St. Croix River~~
3. Impervious coverage threshold for St. Croix Riverway zoning is exceeded therefore permanent easements are recommended over stormwater management practices.

MSCWMO review process information can be downloaded from www.mscwmo.org. Please contact me at 651-796-2227 or moldenburg-downing@mnwcd.org if you have any questions or comments regarding this correspondence.

Sincerely,

Matt Oldenburg-Downing | Administrator
Middle St. Croix Watershed Management Organization

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

SLR PROJECT REVIEW CHECKLIST

MSCWMO Review ID: 25-010

Review Date: 5/28/2025

Project Name: Marzlof and Bausch home reconstruction

Location: 16855 21st St S, Lake St. Croix Beach

Purpose: Reconstruct home and septic

Applicant: Michael Koch, PMI Homes

Recommendation: Approval with the following condition:

1. ~~The trees removed south of proposed home should be replaced in-kind on the parcel~~
2. ~~Redundant perimeter control is required upgradient of the St. Croix River~~
3. Impervious coverage threshold for St. Croix Riverway zoning is exceeded and as a condition of variance approval MSCWMO recommends permanent easements are provided over stormwater management practices.

Submittal Items:

☒ A completed and signed project review application form and $350 review fee.

☒ Grading plan showing grading limits, existing and proposed site contour elevations related to NAVD 1988 datum (preferred) or NGVD, 1929.

☒ Location of proposed and existing permanent structures.

☒ Ordinary High Water (OHW) elevations and location of all existing water bodies.

☒ Location of all bluff lines. Bluffline setbacks are satisfied to the maximum extent practicable.

☒ Lowest floor elevations of structures built adjacent to stormwater management features and other water bodies must be a minimum of two feet above the 100-year flood elevation.

☒ Delineation of existing wetlands, shoreland, ordinary high water levels, drain tiling, and floodplain areas.

☒ Details of proposed buffer upslope of water resources including site and vegetation characteristics (when applicable).

☒ Location of the 100-year flood elevation, natural overflow elevation, and lowest floor elevations.

☒ Erosion and sediment control plan demonstrating locations, specifications, and details of the following items:

A. Erosion Prevention
   i. Stabilize all exposed soil areas (including stockpiles) with temporary erosion control (seed and mulch or blanket) within 7 days after construction activities in the area have temporarily or permanently ceased.
   ii. Identify location, type and quantity of temporary erosion prevention practices.
   iii. Identify permanent vegetation.

B. Sediment Control
   i. Sediment control practices will be placed down-gradient before up-gradient land disturbing activities begin.
   ii. Identify the location, type and quantity of sediment control practices.
   iii. Vehicle tracking practices must be in place to minimize track out of sediment from the construction site. Streets must be cleaned if tracking practices are not adequate to prevent sediment from being tracked onto the street.

C. Inspections and Maintenance
   i. Applicant must inspect all erosion prevention and sediment control practices once every 7 days or after a ½" rain event to ensure integrity and effectiveness. All nonfunctional practices must be repaired, replaced or enhanced the next business day after discovery.
   ii. Plans shall include contact information including email and a phone number of the person responsible for inspection and compliance with erosion and sediment control.

D. Pollution Prevention
   i. Solid waste must be stored, collected and disposed of in accordance with state law.
   ii. Provide effective containment for all liquid and solid wastes generated by washout operations (concrete, stucco, paint, form release oils, curing compounds).
   iii. Hazardous materials that have potential to leach pollutants must be under cover to minimize contact with stormwater.

E. Final Stabilization
   i. For residential construction only, individual lots are considered final stabilized if the structures are finished and temporary erosion protection and down gradient sediment control has been completed.
   ii. Grading and landscape plans shall include soil tillage and soil bed preparation methods that are employed prior to landscape installation to a minimum depth of 8" and incorporate amendments to meet Minnesota State Stormwater Manual predevelopment soil type bulk densities.
      1. Observe minimum setbacks for areas within the dripline of existing trees, over utilities within 30 in of the surface, where compaction is required by design and inaccessible slopes.

☒ Details of proposed structural stormwater practices (Meets Minnesota Stormwater Manual guidelines)

A. Stormwater flows are diverted away from bluffs whenever feasible. Volume control facilities must drain down within 48 hours, as required by the MPCA NPDES Construction Stormwater Permit.
   i. The period of inundation shall be calculated using the maximum water depth below the surface discharge elevation and the soil infiltration rate.

B. The maximum water depth for volume control facilities is 1.5 feet.

C. Planting plan identified vegetation suitable for the hydrology of the basin.

D. Separation from seasonally saturated soils or bedrock is 3 feet or more for bioretention and infiltration practices.

E. Volume control facilities meet the following setback requirements:

Setback	Minimum Distance (ft.)
Property line	10
Building foundation*	10
Private well	35
Public water supply well	50
Septic system tank/leach field	35

*Minimum with slopes directed away from the building

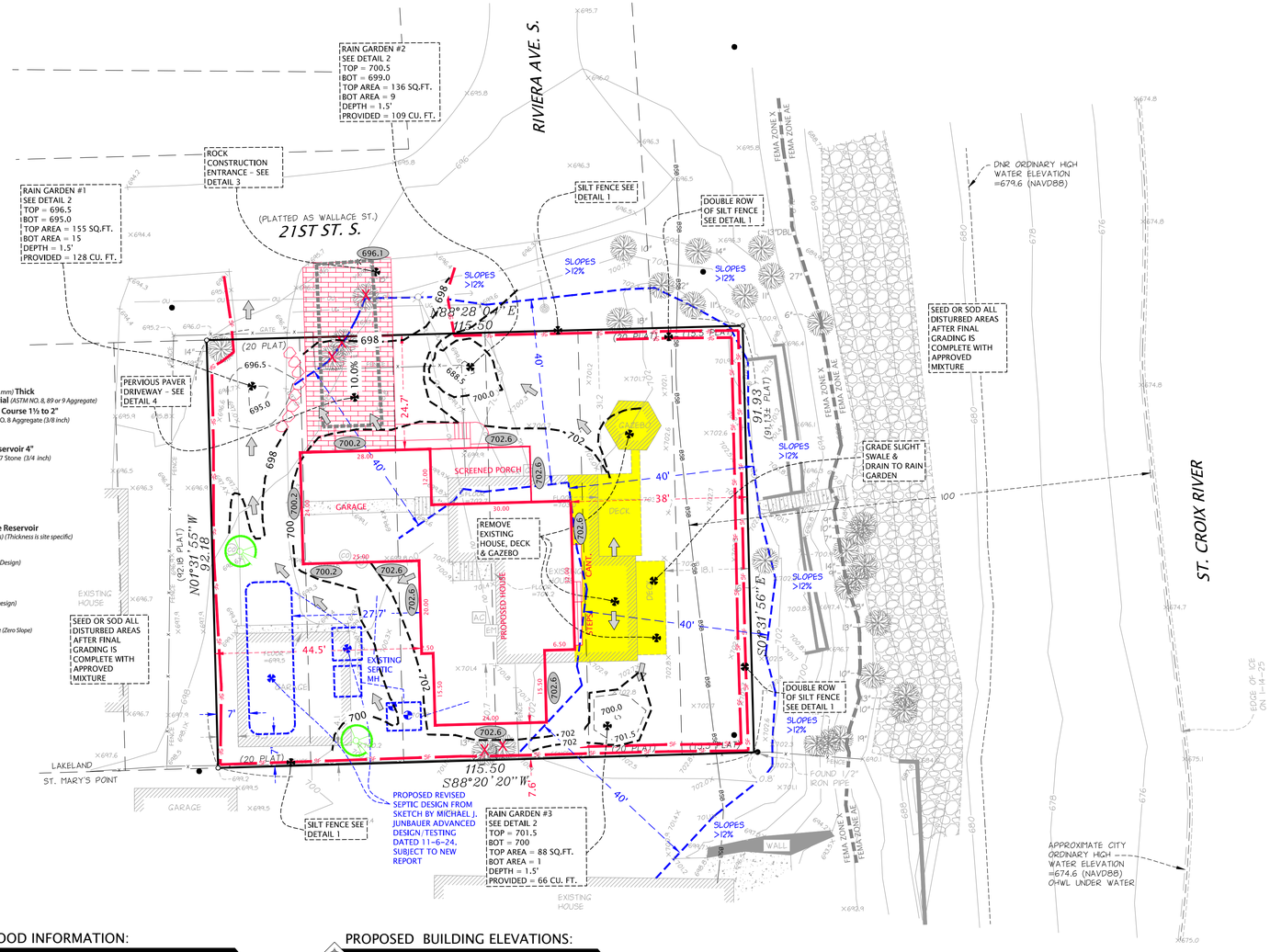
F. Volume control is provided for the first 1.1”inch of runoff for all impervious:

Volume Retention Required (cu. ft.)	Volume Retention Provided (cu. ft.)
$2{,}447\ sq.ft. \times \frac{1.1\ in}{12\ {}^{in}/_{ft}} = 224\ cu.ft.$	**BMP** **Volume** Rain Garden #1 128 cu. ft. Rain Garden #2 109 cu. ft. Rain Garden #3 66 cu. ft.
Total Required Volume Retention = 224 cu. ft.	**Total Provided Volume Retention = 303 cu. ft.**

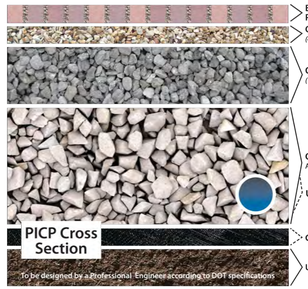
G. Construction Standards
   i. To prevent soil compaction, the proposed volume control facility must be staked off and marked during construction to prevent heavy equipment and traffic from traveling over it.
   ii. Facilities may not be excavated within 2.0 feet of final grade until the contributing drainage area has been constructed and fully stabilized.
   iii. Facilities are in-place during construction activities, all sediment and runoff must be diverted away the facility, using practices such as pipe capping or diversions.
   iv. Facilities installation must occur in dry soil conditions. Excavation, soil placement and rapid stabilization of perimeter slopes must be accomplished prior to the next precipitation event.
   v. Excavation shall be performed by an excavator with a toothed bucket. Use excavator bucket to place materials. Construction equipment shall not be allowed into the basin.
   vi. Prior to the release of any remaining fee or security, the owner must provide documentation that constructed volume control facilities perform as designed.

H. Details
   i. Include a standard cross section of the infiltration device similar to those identified in the Minnesota Stormwater Manual (https://stormwater.pca.state.mn.us/index.php/Bioretention_plan_and_section_drawings)
   ii. The cross section must detail the infiltration media used in the device. Typically, devices use Mix B as described in the Minnesota Stormwater Manual: A well-blended, homogenous mixture of 70 to 85 percent washed construction sand; and 15 to 30 percent MnDOT Grade 2 compost.

CALL BEFORE YOU DIG!
Gopher State One Call
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



Cross-section of Permeable Pavement - Full Exfiltration



Borgert Pavers 3⅛" *(80 mm)* **Thick**
Permeable Joint Material *(ASTM NO. 8, 89 or 9 Aggregate)*
Open-graded Bedding Course 1½ to 2"
(40 to 50mm) **Thick** ASTM NO. 8 Aggregate *(3/8 inch)*
Open-graded Base Reservoir 4"
(100mm) **Thick** ASTM NO. 57 Stone *(3/4 inch)*
Open-graded Subbase Reservoir
ASTM NO. 2 Stone *(2 ½ inches) (Thickness is site specific)*
Underdrain *(Optional Per Design)*
Geotextile *(Optional Per Design)*
Uncompacted Subgrade *(Zero Slope)*

Specify base material that meets State DOT specifications for Type A aggregate

4 PERVIOUS PAVER DETAIL
NO SCALE

DENOTES REPLACEMENT TREE. (SEE CITY CODE FOR REQUIREMENTS)

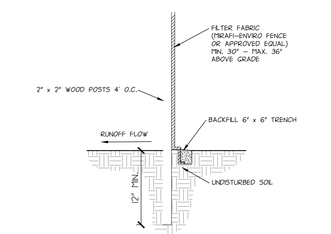
EXISTING IMPROVEMENTS TO BE REMOVED WITHIN 40' BLUFF SETBACK SETBACK, LESS PROPOSED IMPROVEMENTS = 766

(IN SQUARE FEET)
PROPOSED IMPROVEMENT AREAS:

EXISTING TO REMAIN
NONE

PROPOSED IMPROVEMENTS - IMPERVIOUS
HOUSE = 2118
PORCH = 204
SIDEWALK = 52
CANTILEVERS = 25
LAKESIDE STEPS = 16
PERVIOUS PAVER DRIVEWAY = 471
WALLS = 32
TOTAL PROPOSED = 2918
TOTAL EXISTING + PROPOSED = 2918 SQ.FT. = 27.5%

PERVIOUS PAVER DRIVEWAY OUTSIDE OF R/W LINE = 313 SQ.FT.



1. DIG A 6"X6" TRENCH ALONG THE INTENDED FENCE LINE.
2. DRIVE ALL POSTS INTO THE GROUND AT THE DOWNHILL SIDE OF THE TRENCH.
3. LAY OUT SILT FENCE ON THE UPHILL SIDE ALONG THE FENCE LINE, AND BACK FILL.
4. SPACE WOOD POSTS UP TO 4' APART TO SUPPORT THE FABRIC.
5. REMOVE SILT FENCE AFTER TURF IS ESTABLISHED.

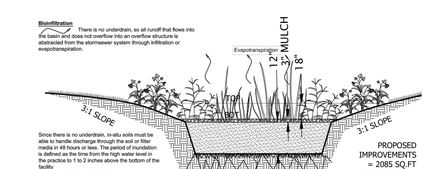
1 SILT FENCE
NO SCALE

FLOOD INFORMATION:

PORTIONS OF THIS PROPERTY LIES WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP NUMBER 27163C0367E HAVING AN EFFECTIVE DATE OF FEBRUARY 3RD, 2010. THE BASE FLOOD ELEVATION OF 692.0 PER THE MSCWMO AS SHOWN ON SURVEY.

(IN SQUARE FEET)
EXISTING IMPROVEMENT AREAS:

HOUSE = 1261
DECKS = 297
CONC./STEMS/STOOP = 183
GAZEBO = 96
GARAGE = 596
DRIVEWAY TO LOT LINE = 687
TOTAL = 3120 SQ.FT. = 29.4%



use mix B as described in the Minnesota Stormwater Manual: A well-blended, homogenous mixture of 70 to 85 percent washed construction sand; and 15 to 30 percent Mn DOT Grade 2 compost..

PROPOSED IMPROVEMENTS = 2085 SQ.FT (LESS PERVIOUS DRIVEWAY) REQUIRED 191 CU.FT.

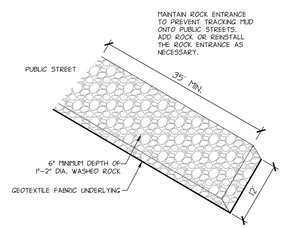
2 RAIN GARDEN
NO SCALE

PROPOSED BUILDING ELEVATIONS:

TOP OF SUBFLOOR = 704.10
TOP OF FOUNDATION = 703.14 (9.33' POURED, VERIFY)
BASEMENT FLOOR = 694.10
GARAGE FLOOR = 700.48

THE ABOVE ELEVATIONS WERE DETERMINED BY THE CONTRACTOR.
BASE FLOOD ELEVATION PER THE CITY OF LAKELAND = 692.0
RFPE ELEVATION = 694.0 PER MSCWMO

SET OFFSET HUB
X 1025.0 X 925.0 PROPOSED ELEVATION
930 PROPOSED CONTOUR
PROPOSED DRAINAGE
X 985.0 DENOTES EXISTING ELEV.
SF DENOTES SILT FENCE
930 EXISTING CONTOURS



3 ROCK CONSTRUCTION ENTRANCE
NO SCALE

Sediment Control
*Sediment control practices will be placed down-gradient before up-gradient land disturbing activities begin.
*Vehicle tracking practices must be in place to minimize track out of sediment from the construction site. Streets must be cleaned if tracking practices are not adequate to prevent sediment from being tracked onto the street.

Inspections and Maintenance
*Applicant must inspect all erosion prevention and sediment control practices once every 7 days or after a ½" rain event to ensure integrity and effectiveness. All nonfunctional practices must be repaired, replaced or enhanced the next business day after discovery.
*Contact Name: Mike Koch
PMI CONSTRUCTION SERVICES
612-867-3221
pmi@pmihomesinc.com

Pollution Prevention
*Solid waste must be stored, collected and disposed of in accordance with state law.
*Provide effective containment for all liquid and solid wastes generated by washout operations (concrete, stucco, paint, form release oils, curing compounds).
*Hazardous materials that have potential to leach pollutants must be under cover to minimize contact with stormwater.

Final Stabilization
*For residential construction only, individual lots are considered final stabilized if the structures are finished and temporary erosion protection and down gradient sediment control has been completed.
*Grading and landscape plans shall include soil tillage and soil bed preparation methods that are employed prior to landscape installation to a minimum depth of 8" and incorporate amendments to meet Minnesota State Stormwater Manual predevelopment soil type bulk densities.

Construction Standards:
*To prevent soil compaction, the proposed volume control facility must be staked off and marked during construction to prevent heavy equipment and traffic from traveling over it.
*Facilities may not be excavated within 2.0 feet of final grade until the contributing drainage area has been constructed and fully stabilized.
*Facilities are in-place during construction activities, all sediment and runoff must be diverted away the facility, using practices such as pipe capping or diversions.
*Facilities installation must occur in dry soil conditions. *Excavation, soil placement and rapid stabilization of perimeter slopes must be accomplished prior to the next precipitation event.
*Excavation shall be performed by an excavator with a toothed bucket. Use excavator bucket to place materials. Construction equipment shall not be allowed into the basin.
*Prior to the release of any remaining fee or security, the owner must provide documentation that constructed volume control facilities perform as designed.

Infiltration Basin Notes:
*See survey for location of Rain Garden and sizing.
*See cross section for detail.
*Basin will be seeded immediately with a fescue/Kentucky bluegrass blend approximately 3 lbs per 1,000 sq ft. (or equivalent)
*Approximately 100 sq ft of natural net straw erosion control blanket will be used to provided erosion prevention for the infiltration basin. (or equivalent)
*Provide Mix B as described in the Minnesota Stormwater Manual for bottom: A well-blended, homogenous mixture of 70 to 85 percent washed construction sand; and 15 to 30 percent MnDOT Grade 2 compost for the bottom of the infiltration basin. (or equivalent)

LEGAL DESCRIPTION:

(THE FOLLOWING LEGAL DESCRIPTION IS AS SHOWN ON TRUSTEE'S DEED DOC. NO. 4412424)

Lots 2096 - 2101, inclusive, Lake Saint Croix Beach, Section 1, according to the plat thereof on file and of record in the office of the Register of Deeds in and for said County and State.

SURVEY NOTES:

1. BEARINGS ARE BASED ON THE WASHINGTON COUNTY COORDINATE SYSTEM NAD 1983.
2. ELEVATIONS BASED ON INFORMATION AS SHOWN ON THE MNDOT GEODETIC WEBSITE. SURVEY DISK 8208 L WITH AN ELEVATION OF 707.58 WAS USED TO ESTABLISH VERTICAL CONTROL FOR THIS SURVEY (NAVD 88)
3. UNDERGROUND UTILITIES SHOWN PER VISUAL OBSERVATION AND AS-BUILT PLANS PROVIDED BY THE CITY OF LAKELAND PUBLIC WORKS DEPARTMENT.
4. THERE MAY SOME UNDERGROUND UTILITIES, GAS, ELECTRIC, ETC. NOT SHOWN OR LOCATED.
5. SEPTIC DESIGN FROM SKETCH BY MICHAEL J. JUNBAUER ADVANCED DESIGN/TESTING DATED 11-6-24

AREA:

AREA OF PARCEL = 10,632 SQ.FT.

LEGEND

- FOUND MONUMENT 1/2" IP MARKED RLS 15480
- SET 1/2" IRON PIPE MARKED RLS NO. 25718
- CABLE TV PEDESTAL
- AIR CONDITIONER
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC PEDESTAL
- ELECTRIC TRANSFORMER
- LIGHT POLE
- GUY WIRE
- POWER POLE
- GAS MANHOLE
- GAS METER
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- SANITARY CLEANOUT
- SANITARY MANHOLE
- CATCH BASIN or STORM DRAIN
- WATER VALVE
- BOLLARD
- FLAG POLE
- MAIL BOX
- TRAFFIC SIGN
- UNKNOWN MANHOLE
- SOIL BORING
- X 950.0 SPOT ELEVATION
- TRAFFIC SIGNAL
- CONIFEROUS TREE
- DECIDUOUS TREE
- FLARED END SECTION
- STORM MANHOLE
- FIRE DEPT. CONNECTION
- HYDRANT
- CURB STOP
- WATER WELL
- WATER MANHOLE
- WATER METER
- POST INDICATOR VALVE
- UE UNDERGROUND ELECTRIC
- UTV UNDERGROUND CABLE TV
- UF UNDERGROUND FIBER OPTIC
- UT UNDERGROUND TELEPHONE
- OU OVERHEAD UTILITY
- UG UNDERGROUND GAS
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- FENCE
- CURB [TYPICAL]
- 1230 CONTOURS
- BUILDING LINE
- BITUMINOUS SURFACE
- CONCRETE SURFACE

MARZOLF RESIDENCE

CONTACT:

PMI CONSTRUCTION SERVICES
7690 NORTH SHORE CIRCLE N
FOREST LAKE, MN 55025
612.867.3221
MICHAEL KOCH

COUNTY/CITY:

WASHINGTON COUNTY
CITY OF LAKE ST. CROIX BEACH

NORTH
0 15 30

REVISIONS:

DATE	REVISION
1-15-25	PRELIMINARY ISSUE
1-21-25	REVISED
1-30-25	REVISED
4-3-25	REVISED
4-14-25	REVISED
4-27-25	REVISE HOUSE
4-30-25	PAVERS
5-14-25	DECK
5-19-25	REVISED
5-23-25	2 ROWS OF SILT FENCE

CERTIFICATION:

I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Land Surveyor under the laws of the state of Minnesota.

Daniel L. Thurmes Registration Number: 25718

Date: 1-15-25

PROJECT LOCATION:

16855
21 ST. S.
PID#1402820110026

Suite #200
1970 Northwestern Ave.
Stillwater, MN 55082
Phone 651.275.8969
dan@cssurvey
.net

CORNERSTONE
LAND SURVEYING, INC.

FILE NAME SURVPMI001
PROJECT NO. PMI24001

SITE-GRADING PLAN

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 Hayward Avenue, Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747
www.mscwmo.org

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 05/14/2025

Project Name: 880 Quixote Bluff Violation **Project Address:** 880 Quixote

Site is within one mile of and discharges to an impaired or special water?

☑ Yes ☐ No

Inspection Type: ☐ Pre-construction ☑ Routine ☐ Rainfall ☐ Post-construction

Overall Site Grade:

☐ A	The site is **in full compliance**. All practices are in place and the site is well maintained.
☐ B	The site is **in compliance**, but normal maintenance activities are required.
☑ C	The site is **not in compliance**. Maintenance or supplemental practices are required.
☐ D	The site is **not in compliance**. Erosion and sediment control practices are in poor condition and controllable water resources or off-site impacts are likely.
☐ F	The site is in **severe non-compliance**. Controllable water quality or off-site impacts have occurred. Enforcement proceedings will be initiated unless immediate corrective actions are taken.

Corrective Action(s) Required:

1. Stabilization must be initiated immediately whenever construction activity has ceased for more than 7 days
2. Plastic sheeting blew over and flipped up. Repair sheeting so entire area of exposed slope is covered and secure plastic. Bury in or seal plastic on uphill side such that water cannot run underneath.
3. Add straw mulch, temporary seed such as oats, or other temporary soil cover to exposed soils uphill of plastic sheeting.

General Comments or Potential Areas of Future Concern:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Were any discharges observed during this inpection? ☑ No ☐ Yes

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

	Compliant	Non-compliant	Under Review	Not Inspected
Erosion Prevention Requirements:				
Soils are stabilized where no construction activity has occurred for 14 days (including stockpiles)	☐	☐	☑	☐
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	☐	☑		☐
Ditches/swales are stabilized 200’ back from point of discharge	☐	☐	☐	☑
Pipe outlets have energy dissipation (within 24 hours of connection)	☐	☐	☐	☑
Construction phasing in accordance with the approved plan is being followed	☐	☐	☐	☑
Areas not to be disturbed are marked off (flags, signs, ect.)	☐	☐		☑
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	☑	☐		☐
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	☐	☐		☑
Erodible stockpiles have perimeter control in place	☐	☐		☑
Temporary sediment basin is built as shown on approved construction plans	☐	☐		☑
Soil compaction is minimized where applicable	☐	☐		☑
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	☐	☑		☐
Perimeter controls are maintained and functioning properly	☑	☐		☐
Inlet protection devices are maintained and adequately protecting inlets	☐	☐		☑
Temporary sediment basins are being maintained and properly functioning	☐	☐		☑
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	☐	☐		☑
Tracked sediment is being removed within 24 hours	☐	☐	☐	☑
Surface waters, ditches, conveyances, and discharge points have been inspected	☑	☐		☐
Other Requirements:				

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	☐	☐		☑
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	☐	☐		☑
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	☐	☐		☑
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	☐	☑		☐
If required, buffer monumentation has been installed	☐	☐		☑

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Images of non-compliant items, concerns, or general conditions:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 Hayward Avenue, Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747
www.mscwmo.org

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 05/19/2025

Project Name: 880 Quixote Bluff Violation **Project Address:** 880 Quixote

Site is within one mile of and discharges to an impaired or special water?

☑ Yes ☐ No

Inspection Type: ☐ Pre-construction ☑ Routine ☐ Rainfall ☐ Post-construction

Overall Site Grade:

☐ A	The site is **in full compliance**. All practices are in place and the site is well maintained.
☑ B	The site is **in compliance**, but normal maintenance activities are required.
☐ C	The site is **not in compliance**. Maintenance or supplemental practices are required.
☐ D	The site is **not in compliance**. Erosion and sediment control practices are in poor condition and controllable water resources or off-site impacts are likely.
☐ F	The site is in **severe non-compliance**. Controllable water quality or off-site impacts have occurred. Enforcement proceedings will be initiated unless immediate corrective actions are taken.

Corrective Action(s) Required:

1. Stabilization must be initiated immediately whenever construction activity has ceased for more than 7 days
2. Re-secure the north edge of the plastic sheeting where water can get underneath.
3. Add straw mulch, temporary seed such as oats, or other temporary soil cover to exposed soils uphill of plastic sheeting.

General Comments or Potential Areas of Future Concern:

Wind is ballooning up the poly sheeting- monitor and added additional bricks or secure with other methods prior to tomorrow's rains. Monitor for water getting underneath the sheeting or eroding soils. Lower edge has been secured as requested and south side of sheeting is buried in.

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Were any discharges observed during this inpection? ☑ No ☐ Yes

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

	Compliant	Non-compliant	Under Review	Not Inspected
Erosion Prevention Requirements:				
Soils are stabilized where no construction activity has occurred for 14 days (including stockpiles)	☐	☑	☐	☐
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	☐	☑		☐
Ditches/swales are stabilized 200’ back from point of discharge	☐	☐	☐	☑
Pipe outlets have energy dissipation (within 24 hours of connection)	☐	☐	☐	☑
Construction phasing in accordance with the approved plan is being followed	☐	☐	☐	☑
Areas not to be disturbed are marked off (flags, signs, ect.)	☐	☑		☐
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	☑	☐		☐
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	☐	☐		☑
Erodible stockpiles have perimeter control in place	☐	☐		☑
Temporary sediment basin is built as shown on approved construction plans	☐	☐		☑
Soil compaction is minimized where applicable	☐	☐		☑
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	☑	☐		☐
Perimeter controls are maintained and functioning properly	☑	☐		☐
Inlet protection devices are maintained and adequately protecting inlets	☐	☐		☑
Temporary sediment basins are being maintained and properly functioning	☐	☐		☑
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	☐	☐		☑
Tracked sediment is being removed within 24 hours	☐	☐	☐	☑
Surface waters, ditches, conveyances, and discharge points have been inspected	☑	☐		☐
Other Requirements:				

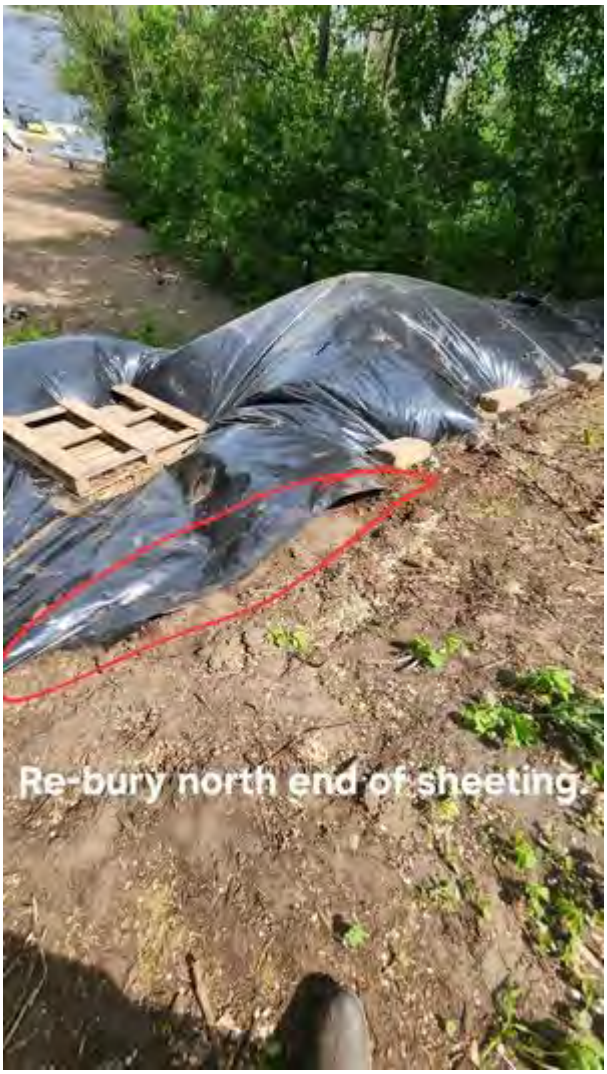
Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	☐	☐		☑
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	☐	☐		☑
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	☐	☐		☑
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	☐	☐		☑
If required, buffer monumentation has been installed	☐	☑		☐

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Images of non-compliant items, concerns, or general conditions:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice



Erosion & Sediment Control Compliance Summary & Corrective Action Notice

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 Hayward Avenue, Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747
www.mscwmo.org

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 05/21/2025

Project Name: 880 Quixote Bluff Violation **Project Address:** 880 Quixote

Site is within one mile of and discharges to an impaired or special water?

☑ Yes ☐ No

Inspection Type: ☐ Pre-construction ☑ Routine ☐ Rainfall ☐ Post-construction

Overall Site Grade:

☐ A	The site is **in full compliance**. All practices are in place and the site is well maintained.
☑ B	The site is **in compliance**, but normal maintenance activities are required.
☐ C	The site is **not in compliance**. Maintenance or supplemental practices are required.
☐ D	The site is **not in compliance**. Erosion and sediment control practices are in poor condition and controllable water resources or off-site impacts are likely.
☐ F	The site is in **severe non-compliance**. Controllable water quality or off-site impacts have occurred. Enforcement proceedings will be initiated unless immediate corrective actions are taken.

Corrective Action(s) Required:

1. Stabilization must be initiated immediately whenever construction activity has ceased for more than 7 days
2. Re-secure platic sheeting at top edge and the south end of the bluff.
3. See previous inspections for stabilizing soils outside of plastic sheeting.

General Comments or Potential Areas of Future Concern:

No sediment discharged to bottom of bluff after approx 3.5" of rain over last two days.

Were any discharges observed during this inpection? ☑ No ☐ Yes

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

	Compliant	Non-compliant	Under Review	Not Inspected
Erosion Prevention Requirements:				
Soils are stabilized where no construction activity has occurred for 14 days (including stockpiles)	☐	☑	☐	☐
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	☐	☑		☐
Ditches/swales are stabilized 200’ back from point of discharge	☐	☐	☐	☑
Pipe outlets have energy dissipation (within 24 hours of connection)	☐	☐	☐	☑
Construction phasing in accordance with the approved plan is being followed	☐	☐	☐	☑
Areas not to be disturbed are marked off (flags, signs, ect.)	☐	☐		☑
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	☑	☐		☐
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	☐	☐		☑
Erodible stockpiles have perimeter control in place	☐	☐		☑
Temporary sediment basin is built as shown on approved construction plans	☐	☐		☑
Soil compaction is minimized where applicable	☐	☐		☑
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	☐	☑		☐
Perimeter controls are maintained and functioning properly	☑	☐		☐
Inlet protection devices are maintained and adequately protecting inlets	☐	☐		☑
Temporary sediment basins are being maintained and properly functioning	☐	☐		☑
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	☐	☐		☑
Tracked sediment is being removed within 24 hours	☐	☐	☐	☑
Surface waters, ditches, conveyances, and discharge points have been inspected	☑	☐		☐
Other Requirements:				

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	☐	☐		☑
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	☐	☐		☑
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	☐	☐		☑
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	☐	☐		☑
If required, buffer monumentation has been installed	☐	☐		☑

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Images of non-compliant items, concerns, or general conditions:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

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Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 06/02/2025

Project Name: 880 Quixote Bluff Violation **Project Address:** 880 Quixote

Site is within one mile of and discharges to an impaired or special water?

☑ Yes ☐ No

Inspection Type: ☐ Pre-construction ☑ Routine ☐ Rainfall ☐ Post-construction

Overall Site Grade:

☑ A	The site is **in full compliance**. All practices are in place and the site is well maintained.
☐ B	The site is **in compliance**, but normal maintenance activities are required.
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☐ D	The site is **not in compliance**. Erosion and sediment control practices are in poor condition and controllable water resources or off-site impacts are likely.
☐ F	The site is in **severe non-compliance**. Controllable water quality or off-site impacts have occurred. Enforcement proceedings will be initiated unless immediate corrective actions are taken.

Corrective Action(s) Required:

General Comments or Potential Areas of Future Concern:

Inspected site after blanket was installed with Marty. Discussed adding straw mulch or blanket strips on the boulevard, south edge of the disturbed area against the trees, and north edge of the slope along the stairs where the blanket was not able to cover all soils. Marty provided follow up photos to show all soils were covered. Marty also provided follow up photos to verify the correct seed was installed- tags read MNL Buckthorn Replacement Mix. Blanket appears to be a category 20 straw blanket, which is a deviation from the category 25 wood fiber blanket specified in the restoration plan, but is not expected to significantly impact successful stabilization of the soils. Blanket is secured to the slope properly with some minor tenting on roots and twigs, and is dug in with a check slot at the top of slope.

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Were any discharges observed during this inpection? ☑ No ☐ Yes

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

	Compliant	Non-compliant	Under Review	Not Inspected
Erosion Prevention Requirements:				
Soils are stabilized where no construction activity has occurred for 14 days (including stockpiles)	☑	☐	☐	☐
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	☑	☐		☐
Ditches/swales are stabilized 200’ back from point of discharge	☐	☐	☐	☑
Pipe outlets have energy dissipation (within 24 hours of connection)	☐	☐	☐	☑
Construction phasing in accordance with the approved plan is being followed	☐	☐	☐	☑
Areas not to be disturbed are marked off (flags, signs, ect.)	☐	☐		☑
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	☑	☐		☐
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	☐	☐		☑
Erodible stockpiles have perimeter control in place	☐	☐		☑
Temporary sediment basin is built as shown on approved construction plans	☐	☐		☑
Soil compaction is minimized where applicable	☐	☐		☑
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	☑	☐		☐
Perimeter controls are maintained and functioning properly	☑	☐		☐
Inlet protection devices are maintained and adequately protecting inlets	☐	☐		☑
Temporary sediment basins are being maintained and properly functioning	☐	☐		☑
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	☐	☐		☑
Tracked sediment is being removed within 24 hours	☑	☐	☐	☐
Surface waters, ditches, conveyances, and discharge points have been inspected	☑	☐		☐
Other Requirements:				

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	☐	☐		☑
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	☐	☐		☑
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	☐	☐		☑
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	☐	☐		☑
If required, buffer monumentation has been installed	☐	☐		☑

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Images of non-compliant items, concerns, or general conditions:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

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Erosion & Sediment Control Compliance Summary & Corrective Action Notice

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 Hayward Avenue, Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747
www.mscwmo.org

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 06/06/2025

Project Name: 880 Quixote Bluff Violation **Project Address:** 880 Quixote

Site is within one mile of and discharges to an impaired or special water?

☑ Yes ☐ No

Inspection Type: ☐ Pre-construction ☑ Routine ☐ Rainfall ☐ Post-construction

Overall Site Grade:

☑ A	The site is **in full compliance**. All practices are in place and the site is well maintained.
☐ B	The site is **in compliance**, but normal maintenance activities are required.
☐ C	The site is **not in compliance**. Maintenance or supplemental practices are required.
☐ D	The site is **not in compliance**. Erosion and sediment control practices are in poor condition and controllable water resources or off-site impacts are likely.
☐ F	The site is in **severe non-compliance**. Controllable water quality or off-site impacts have occurred. Enforcement proceedings will be initiated unless immediate corrective actions are taken.

Corrective Action(s) Required:

General Comments or Potential Areas of Future Concern:

Blanketing held up well after approx 1" of rain this week. No significant rills or gullies noted.

Were any discharges observed during this inpection? ☑ No ☐ Yes

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

	Compliant	Non-compliant	Under Review	Not Inspected
Erosion Prevention Requirements:				
Soils are stabilized where no construction activity has occurred for 14 days (including stockpiles)	☑	☐	☐	☐
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	☑	☐		☐
Ditches/swales are stabilized 200’ back from point of discharge	☐	☐	☐	☑
Pipe outlets have energy dissipation (within 24 hours of connection)	☐	☐	☐	☑
Construction phasing in accordance with the approved plan is being followed	☐	☐	☐	☑
Areas not to be disturbed are marked off (flags, signs, ect.)	☐	☐		☑
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	☑	☐		☐
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	☐	☐		☑
Erodible stockpiles have perimeter control in place	☐	☐		☑
Temporary sediment basin is built as shown on approved construction plans	☐	☐		☑
Soil compaction is minimized where applicable	☐	☐		☑
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	☑	☐		☐
Perimeter controls are maintained and functioning properly	☑	☐		☐
Inlet protection devices are maintained and adequately protecting inlets	☐	☐		☑
Temporary sediment basins are being maintained and properly functioning	☐	☐		☑
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	☐	☐		☑
Tracked sediment is being removed within 24 hours	☐	☐	☐	☑
Surface waters, ditches, conveyances, and discharge points have been inspected	☑	☐		☐
Other Requirements:				

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	☐	☐		☑
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	☐	☐		☑
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	☐	☐		☑
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	☐	☐		☑
If required, buffer monumentation has been installed	☐	☐		☑

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Images of non-compliant items, concerns, or general conditions:






Erosion & Sediment Control Compliance Summary & Corrective Action Notice

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WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Ave N
Oakdale, MN 55128
651-796-2227
www.mscwmo.org

Staff Report- May 2025

Administration

- Prepared May meeting materials
- Participated in Lower St. Croix Partnership meetings
- Watershed management plan coordination
- Permit review coordination with communities

Project Reviews

- 16855 21st Street S – **DISCUSS**

10-Year Management Plan Update

Description: The Board of Water and Soil Resources (BWSR) requires watersheds to have a management plan and MSCWMO's current management plan expires in 2025, as such a management plan update is underway. This plan will meet BWSR's various requirements and is on track to be completed by the end of 2025.

Activities This Month: Task 1 - stakeholder engagement portion of the plan is complete. Task – 2 Implementation, Prioritization, and Actions is complete. An inventory and assessment of existing BMPs and mapping of MSCWMO's features has been completed and the report is an appendix of the plan. A detailed inspection protocol has been developed. Updates to the cost share program and performance standards have been made and reviewed by the Board. Task 3 – Plan Composition is draft is complete and was sent out to review agencies on February 28, 2025. The 60-day Review Period has closed, 164 total comments were received. A meeting was held with BWSR to review of the agency comments. Responses to plan comments are being developed.

Staff: Rebecca Oldenburg-Downing, WCD

Water Monitoring Program

Description: The MSCWMO water monitoring program includes the monitoring of flow at three sites. These sites have that equipment serves to collect data on the total volume of water flowing into Lily Lake at the Greeley Street Inlet, through Perro Creek at the Diversion Structure, as well as, the Perro Creek Diversion Structure Overflow. Water quality is also collected at the Greeley Street Inlet and the Perro Creek Diversion Structure on a monthly basis, as well as during storm events.

Additionally, the MSCWMO monitors two lakes, Lily and McKusick for several parameters from April-October. Data is collected on both lakes on a biweekly basis and includes: water level, clarity, pH, temperature and dissolved oxygen profiles, an aesthetics and user profile, and field conditions. Additionally, water quality samples are collected from the surface of the lakes and analyzed for total phosphorus, total Kjeldahl nitrogen, and chlorophyll.

Activities This Month: Equipment has been deployed to monitor the Perro Diversion and Perro Diversion Overflow sites. One base grab and one storm sample has been collected at Perro Creek Diversion Structure. Lake monitoring is ongoing with four samples having been collected on Lily and McKusick Lakes, respectively. Lake elevation gages readings are being take on Lily Lake, McKusick Lake, and Brick Pond. A volunteer will be collecting elevations on Brick Pond.

Staff: Rebecca Oldenburg-Downing, WCD

Erosion and Sediment Control Inspections

Description: The MSCWMO has contracted with the WCD to conduct erosion and sediment control inspections for construction projects that have been reviewed and recommended for permit approval by partner communities. The WCD also maintains an ArcGIS Online based database for project plan review tracking, erosion control inspection, and BMP implementation and maintenance activities.

Activities This Month: Five inspections and technical assistance for repair and stabilization of the bluff at the 880 Quixote Bluff Violation site in Lakeland was conducted. Fill on the bluff was removed and re-graded. A buckthorn replacement seed mix per the restoration plan was installed. Erosion control blanket and straw mulch were installed on exposed soils. The erosion control blanket was found to be a MNDOT category 20 type blanket, as opposed to the specified category 25 blanket, but was installed properly and the change in materials is not expected to significantly impact the success of the restoration. The site was inspected after approximately one inch of rain, and no new erosion was observed since the blanket was installed. A potential floodplain fill and unpermitted retaining wall construction project was investigated at 1081 Quixote. Photos were collected, but no inspection report was prepared.

Staff: Aaron DeRusha, WCD

BMP Maintenance

Description: The MSCWMO has a maintenance obligation for its Capital Improvement Projects and projects funded by Clean Water Fund grants. The MSCWMO partners with the Washington Conservation District to fulfill this maintenance requirement.

Activities this month: Inlet cleanout for OPH Area D, Lily Lake Basin, Stillwater Country Club, and Ozark Raingarden. Removal of ESC at Lily basin and mowing of garlic mustard at Stillwater Country Club.

Staff: Cameron Blake, WCD

Small Scale Habitat & Water Quality Enhancement Projects

Description: In 2024 the WCD received Conservation Corps crew time on behalf of the WMO under FY24 Clean Water Funding to continue small-scale habitat and water quality enhancement projects in throughout the District. Identified projects included a vegetative buffer enhancement along Perro Creek in Bayport, support for a 215-foot buffer expansion between Riviera Avenue S and the St. Croix River in Lake St. Croix Beach under the WCD FY23 Habitat Enhancement Landscape Program (HELP) Grant, and continued support for private shoreline enhancement.

Activities This Month: Monitoring and establishment maintenance of the Lake St. Croix Beach "South Beach" buffer restoration. Newly seeded areas are establishing well with few weed issues present. Burned and interseeded areas are also in good condition with evidence of new species recruitment.

Staff: Brett Stolpestad, WCD

Meetings:

- 16855 21th St S review – May 14th
- 16855 21th St S review – May 19th
- Plan comment review BWSR – May 19th
- HOSC Review – May 28th
- LSC Steering Team – May 28th
- Plan comment review – June 3rd