

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 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, January 8th, 2026

6:00PM

1. Call to Order – 6:00PM
 - a. Approval of Agenda
2. Approval of Minutes
 - a. Draft minutes – December 11th, 2025 **pg. 1-5**
3. Treasurer’s Report
 - a. Report of savings account, assets for January 8th, 2026
 - b. Approve payment of bills for January 8th, 2025
4. Public Comment
5. Watershed Management Plan Update
 - a. 2025-2035 Plan Adoption **pg. 6-12**
6. Old Business
 - a. 2026 Insurance Renewal
7. New Business
 - a. Officer Appointments
 - b. 2026 First Half Contribution Reminders
 - c. 2025 Inspections and Maintenance Summary
 - d. 2025 Audit Engagement
 - e. 2025 Budget Summary
 - f. 2026 Adopt-a-Drain Request **pg. 13**
8. Grant and Cost Share Applications
 - a. Jackson Stewardship Grant Request **pg. 14**
 - b. Stonebridge Elementary Water Quality Grant Request **pg. 15-17**
9. Plan Reviews/Submittals
 - a. Plan Review and Submittal Summary **pg. 18**
 - i. 1081 Quixote Ave **pg. 19-25**
 - ii. Bridgeview Parking Lot **pg. 26-34**
 - b. Erosion and Sediment Control Inspection Reports **NONE**
10. Staff Report **pg. 35-36**
11. 1W1P Updates
12. Other

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13. Adjourn

Draft Minutes, Pending Board Approval

Regular Meeting of the Middle St. Croix Watershed Management Organization
Washington Conservation District, 455 Hayward Ave N
Thursday, December 11th, 2025
6:00PM

Present: Brian Zeller, Lakeland Shores; Rachel Dana, West Lakeland; Dave Millard, Lakeland;
Ryan Collins, Stillwater; Avis Peters, Baytown; Carly Johnson, Oak Park Heights; Michele
Hanson, Bayport; Administrator Matt Oldenburg-Downing; Amanda Herbrand, WCD
Audience: Tom McCarthy

Call to Order

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

Approval of Agenda

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

Approval of Minutes

Manager Zeller motioned to approve the draft October 9th, 2025 board meeting minutes, Manager Peters seconded the motion. The motion carried with all in favor.

Treasurer's Report

Manager Johnson presented the treasurer's report. The remaining checking account balance as of December 11, 2025 was \$49,853.12. First Bank CD's were valued at \$213,549.15. The ending value on the RBC savings account from October was \$100,572.36. Manager Zeller asked if any of the CDs were due for renewal, Administrator Oldenburg-Downing stated that one of the CDs just renewed at the same high rate. Manager Zeller motioned to approve the report of the savings account and assets for December 11th, 2025. Manager Collins seconded the motion. The motion carried with all in favor.

Bills to approve for November are three bills to the Washington Conservation District for admin, watershed plan, and technical services totaling \$8,607.50. Bills to approve for December are three bills to the Washington Conservation District for admin, management plan, and technical services totaling \$5,295.25 and one bill to Town Law Center for \$21.00. The total for December bills is \$5,316.25. Manager Zeller motioned to approve payment of bills for November and December totaling \$13,923.75. Manager Collins seconded the motion. The motion carried with all in favor.

Public Comment

None

Watershed Management Plan Update

Administrator Oldenburg-Downing informed the board that the plan was presented to the BWSR board and that the presentation was well received.

Old Business

None

New Business

2026 Insurance Renewal

Included in the board packet is the insurance renewal form. Manager Zeller motioned to bind coverage, Manager Johnson seconded the motion. The motion carried with all in favor.

Included in this agenda item is the Liability Coverage Waiver Form from the League of Minnesota Cities. Administrator Downing states that the board has to make a decision on whether or not to waive the monetary limits on municipal tort liability established by Minn. Stat 466.04. Administrator Downing states that in the past the board has chosen to not waive.

Manager Zeller motioned to not waive and authorize Administrator Oldenburg-Downing to sign, Manager Johnson seconded the motion. The motion carried with all in favor.

2026 Meeting and Submittal Dates

Administrator Oldenburg-Downing presented the proposed 2026 meeting and submittal dates. Manager Johnson motioned to approve the 2026 meeting and submittal dates. Manager Collins seconded the motion. The motion carried with all in favor.

2026 Project Review Fees

Administrator Oldenburg-Downing presented the 2025 Permit Review Workload and Revenue Analysis which shows project review fees versus the cost of reviewing. Policy set by the Board in 2021 was overages in review time over \$500 to be presented for approval to invoice. If the decision is made to request additional fees to cover review costs, the MSCWMO will send a request to the permitting entity (community) for the difference in fee vs. actual total cost.

Manager Zeller stated the board should follow policy and motioned to recover \$8,654.25 from the permitting entities for the overages. Manager Johnson seconded the motion. The motion carried with all in favor.

The board is also asked to approve the MSCWMO project review fees for 2026. Administrator Oldenburg-Downing noted that the review fee has not changed in several years. Noting the consistent overages and the complications with billing back to the communities, board members discussed increasing the review fees. Manager Oldenburg-Downing noted that most of the overages come from riverfront projects. Manager Johnson suggested adding a new category for review fees for riverfront projects, suggesting \$500 review fee for riverfront. Manager Hanson asked if \$500 will cover the projects given the consistent overages and noted that sometimes communities aren't able to bill permittees for overages due to billing timelines, meaning that the municipalities may pay MSCWMO back for the overages without being able to bill the applicants. Manager Zeller suggested increasing the review fee to \$400 for single family projects and adding a \$600 review fee for riverway projects, citing the additional rules for riverfront properties which increases the time spent on reviews, and noted again that the review fee has not changed since at least 2019.

Manager Hanson motioned to change the single family review fee to \$400 and add the riverfront single family review with a fee of \$600. Manager Zeller seconded the motion. The motion carried with all in favor.

2026 WCD Technical Services Agreement

Included in the board packet is the 2026 service agreement between the Washington Conservation District and the MSCWMO. Manager Zeller motioned to sign the 2026 service agreement, Manager Collins seconded the motion. The motion carried with all in favor.

John Dahl Resignation

Administrator Oldenburg-Downing informed the board that he received notice that John Dahl, representative for Bayport, has resigned his position. Manager Hanson stated he will no longer be living in Bayport and therefore no longer serving on the council. This is an informational item.

Grant and Cost Share Applications

Deneui Stewardship Grant Reimbursement

On May 8th, 2025 the MSCWMO board approved cost-share encumbrance of up to \$500 for the Deneui Native Landscaping project with the goal of enhancing Bob and Gail Deneui's 0.9-acre parcel in Lakeland with native perennials, trees and shrubs for wildlife habitat. The landowners completed installation of native plant material in October with a total cost of \$382.40 in materials.

Manager Zeller motioned to approve reimbursement of \$382.40 cost share for the installation of the Deneui Native Landscaping Project at 16344 7th St Ct S, Lakeland, MN 55043. Manager Johnson seconded the motion. The motion carried with all in favor.

Eckel Stewardship Grant Reimbursement

On February 13th, 2025 the MSCWMO board approved cost share encumbrance of up to \$500 for the establishment of a 650 ft² native pollinator garden at the residence of Angie and Matt Eckel, located at 6260 Lookout Trl N, Stillwater, MN 55082. The landowners completed the site preparation and first round of planting in October, installing native trees and shrubs with a total cost of \$655.95 in eligible purchases (excludes hybrids and cultivars).

Manager Zeller motioned to approve reimbursement of \$500.00 cost share for the installation of the Eckel Native Pollinator Garden project at 6260 Lookout Trl N, Stillwater, MN 55082. Manager Johnson seconded the motion. The motion carried with all in favor.

Lund Stewardship Grant Request

On August 14th, 2025 the MSCWMO board approved cost share encumbrance of up to \$500 for the establishment of a 117 ft² native shrub and perennial planting at the residence of Kim Lund, located at 1303 1st St S, Stillwater, MN 55082. The landowner completed her project in September, installing over 20 native plants with a total cost of \$481.18

Manager Zeller motioned to approve reimbursement of \$481.18 cost share for the installation of the Lund Native Landscaping project at 1303 1st St S, Stillwater, MN 55082. Manager Johnson seconded the motion. The motion carried with all in favor.

Heidenreich Stewardship Grant Reimbursement

On August 14th, 2025 the MSCWMO board approved cost share encumbrance of up to \$500 for enhancement of a 5,000 square-foot woodland opening with native grasses and flowering plants at the residence of Bob Heidenreich, 13315 Boutwell Rd N, Stillwater, MN 55082. The landowner completed his project in October, installing over 80 native plants with a total cost of \$503.35 (excluding hybrids and cultivars).

Manager Zeller motioned to approve reimbursement of \$500.00 cost share for the installation of the Heidenreich Meadow Enhancement Project at 13315 Boutwell Rd N, Stillwater, MN 55082. Manager Collins seconded the motion. The motion carried with all in favor.

Bayport Fire Station Water Quality Improvement Grant Reimbursement

On September 11th, 2025 the MSCWMO board approved cost-share encumbrance of up to \$1,200.00 from the Water Quality Improvement Grant program for the installation of the Bayport Fire Station Turf-to-Prairie project. Natural Resource Services completed the site preparation and seeding in October at a total cost of \$4,630.00.

The City of Bayport is seeking reimbursement in the amount of \$1,200.00 for payments made to the contractor in November of 2025.

Manager Zeller motioned to approve reimbursement of \$1,200.00 cost share for the installation of the Bayport Fire Station Turf-to-Prairie Project at 1012 5th Ave N, Bayport, MN 55003. Manager Johnson seconded the motion. The motion carried with all in favor.

Plan Reviews/Submittals

CSAH 5 Phase 4

Submittal items were received on October 24th, 2025 for pedestrian and traffic improvements on CSAH 4 (Olive Street West) from Deer Path to Owens Street within the MSCWMO boundaries and the City of Stillwater. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) for over 6000 square feet of reconstructed impervious. The project is located in a high vulnerability drinking water source management area (DWSMA) and emergency response area (ERA) and therefore infiltration is prohibited. Flexible Treatment Options (FTOs) have been evaluated and the applicant is proposing removal of total phosphorus (TP) with disconnected impervious and sump/baffle structures but still end up with a 2.9 lb TP shortfall for the 60% removal goal so they have proposed cash-in-lieu for the shortfall. MSCWMO staff recommends board discussion regarding the acceptance of cash-in-lieu (FTO #3 for offsite mitigation) and if the board agrees that sufficient documentation of exhausting options and rejection of feasibility for FTO#2 (60% TP removal).

Administrator Oldenburg-Downing stated that the potential additional treatment options explored involve unique infrastructure, Manager Zeller stated that unique infrastructure with unique maintenance needs could cause problems down the road and agreed it might not be the best

option. Manager Zeller emphasized that cash-in-lieu is not preferred by the MSCWMO, and noted that two cash-in-lieu payments were still in the bank due to a lack of identified projects. Administrator Oldenburg-Downing reminded the board that cash-in-lieu is only an option for public projects, and is typically only accepted for linear projects due to space constraints making treatment difficult, and noted that it is extra challenging in this instance due to infiltration not being an option in downtown Stillwater. Manager Zeller stated that he was comfortable accepting the cash-in-lieu in this instance, but requested that Administrator Oldenburg-Downing schedule a meeting with Stillwater's engineer. Manager Zeller emphasized that identifying projects for the cash-in-lieu on hand should be prioritized due to the amount in possession by the WMO.

Manager Zeller motioned to accept the cash-in-lieu and approve the project. Manager Hanson seconded the motion. The motion carried with all in favor.

Central Automotive Parking Lot Addition

Administrator Oldenburg-Downing stated a complete application has not been received.

Erosion and Sediment Control Inspection Reports

There is one erosion control inspection report included in the board packet. The report is from 10/8/25, the project received a C grade, meaning the site is not in compliance and maintenance or supplemental practices are needed.

Staff Report

Administrator Oldenburg-Downing presented the staff report. Water monitoring field work is done for the season. Six base grab samples and seven storm samples were collected at Perro Creek Diversion Structure, and fourteen lake samples were taken at Lily and McKusick lakes. Staff are now working on equipment testing and maintenance and reporting. A final report of water monitoring activities is usually presented in the spring to the board. Some maintenance of BMPs is still ongoing. A final report of BMP maintenance and performance is also usually presented in the spring to the board. Administrator Oldenburg-Downing attended a number of meetings, including BWSR meetings for the management plan update, LSC meetings, Bluffland Workshop, and Washington County Budget Workshop.

1W1P Updates

None

Other

None

Adjourn

Manager Zeller motioned to adjourn the meeting, Manager Johnson seconded the motion. The meeting adjourned at 6:54.



TO: MSCWMO Board of Managers
FROM: Matthew Oldenburg-Downing
DATE: December 29, 2025
RE: **5a) 2025-2035 Management Plan**

The Board of Water and Soil Resources (BWSR) requires watersheds to have a management plan and MSCWMO's current management plan expires in 2025. The MSCWMO draft Plan was presented to the BWSR Central Region Committee on December 8th, and was approved by the full BWSR Board on December 18th. In accordance with Minnesota Statute 103B.231, Subd. 7. The next step in the management plan update process is for the MSCWMO Board to adopt and implement the approved plan, send the updated plan out to the member communities for incorporation into their local water management plans.

Recommended Action: Motion by (Manager 1) to adopt the 2025-2035 management plan, and distribute the updated management plan to member communities. Second by (Manager 2). Vote taken via roll call.

December 18, 2025

Middle St. Croix Watershed Management Organization
c/o Matt Oldenburg-Downing, Administrator
455 Hayward Ave
Oakdale, MN 55128

Dear Chair and Managers:

I am pleased to inform you that the Minnesota Board of Water and Soil Resources (Board) has approved the Middle St. Croix Watershed Management Organization (MSCWMO) Watershed Management Plan (Plan) at its regular meeting held on December 18, 2025. For your records I have enclosed a copy of the signed Board Order that documents approval of the Plan. Please be advised that the MSCWMO must adopt and implement the Plan within 120 days of the date of the Order, in accordance with MN Statutes 103B.231, Subd. 10.

The managers, advisory committee members, and all others involved in the planning process are to be commended for their work on developing the Plan. With continued implementation of your Plan, the protection and management of the water resources within the watershed will be greatly enhanced to the benefit of the residents. The Board looks forward to working with you as you implement this Plan and document its outcomes.

Please contact Board Conservationist, Jen Dullum at 651-308-6956, jen.dullum@state.mn.us, or at the central office address for further assistance in this matter.

Sincerely,



Todd Holman
Chair

Enclosure
cc's on next page

CC: Reid Christianson, MDA (via email)
Abby Shea, MDH (via email)
Megan Moore, DNR (via email)
Katie Kowalczyk, DOT (via email)
Maureen Hoffman, Met Council (via email)
Melinda Neville, MPCA (via email)
Marcey Westrick, BWSR (via email)
Jen Dillum, BWSR (via email)
File Copy

Minnesota Board of Water and Soil Resources
520 Lafayette Road North
Saint Paul, Minnesota 55155

In the Matter of the review of the Watershed Management Plan for the **Middle St. Croix Watershed Management Organization**, pursuant to Minnesota Statutes Section 103B.231, Subdivision 9.

**ORDER
APPROVING
A WATERSHED
MANAGEMENT PLAN**

Whereas, the Board of Managers of the Middle St. Croix Watershed Management Organization (MSCWMO) submitted a Watershed Management Plan (Plan) on September 24, 2025, to the Minnesota Board of Water and Soil Resources (Board) pursuant to Minnesota Statutes Section 103B.231, Subd. 9, and;

Whereas, the Board has completed its review of the Plan;

Now Therefore, the Board hereby makes the following Findings of Fact, Conclusions and Order:

FINDINGS OF FACT

1. **Watershed Management Organization Establishment.** The Middle St. Croix Watershed Management Organization (MSCWMO) was established by a Joint Powers Agreement (JPA) in 1984 between the following ten member communities: Afton, Bayport, Baytown Township, Lakeland, Lakeland Shores, Lake St. Croix Beach, Oak Park Heights, St. Mary's Point, Stillwater, and West Lakeland Township. The first Watershed Management Plan was approved by the Board in 1987.
2. **Authority of Plan.** The Metropolitan Surface Water Management Act requires the preparation of a watershed management plan for the subject watershed area which meets the requirements of Minnesota Statutes Sections 103B.201 to 103B.251. The current MSCWMO watershed management plan was approved by Board Order on September 23, 2015.
3. **Nature of the Watershed.** The MSCWMO watershed encompasses approximately 19.8 square miles and is located in the east-central part of Washington County. The WMO is bound by the St. Croix River on the east, the Valley Branch Watershed District on the west and south, and the Browns Creek Watershed District to the north. There are four primary waterbodies in the MSCWMO. The Middle St. Croix watershed has many small, parallel watersheds that all flow to the St. Croix, whereas the other watersheds in the County generally have one major drainage with a headwaters and an outlet. Land use in the watershed is evenly distributed between agricultural uses, rural residential and high-density residential/commercial land uses.
4. **Plan Development and Review.** On January 10, 2024, the MSCWMO sent notification of initiation of the planning process for the 2025-2035 Watershed Management Plan (Plan) to the plan review agencies and other parties as required by MR 8410, and solicited each agency's priority issues, summaries of relevant water management goals, and water resource information. An initial planning meeting was hosted by the Board of Managers on April 11, 2024. Periodic meetings were held with the

Technical Advisory Committee and between February 2024 and January 2025 additional input was gathered through community engagement and public meetings, including an open house, surveys, and electronic and direct outreach.

The draft Plan was submitted to the Board, other state agencies, and local governments for the formal 60-day review on February 28, 2025, pursuant to Minnesota Statutes Section 103B.231 Subd. 7. The MSCWMO prepared a written response to the 60-day comments, sent their responses to reviewers on August 4, 2025, and then held a public hearing on August 14, 2025. The MSCWMO made revisions to the Plan to address the comments received and then the approved the final draft Plan for final review by State Review Agencies and BWSR approval and submitted it to the Board on September 24, 2025. Comments received during the 90-day review period indicated that most reviewers did not have additional comments, however the Minnesota Department of Health recommended that additional comments be addressed.

5. **Local Review.** The MSCWMO distributed copies of the draft Plan to local units of government for their review pursuant to Minnesota Statutes Section 103B.231 Subd. 7. The City of Bayport provided comments around buffers, nonpoint sources of pollution, water quality monitoring and long-term budgeting which were addressed by the MSCWMO. Washington County also provided comments which were also addressed by the MSCWMO and included clarifying text, comments on modeling software, wetland types, and performance standards.
6. **Metropolitan Council (Council) Review.** During the 60-day review, the Council commended the MSCWMO for thoughtful overview of the watershed as well as a comprehensive list of issues, goals, policies, and strategies. They also applauded the incorporation of climate resilience and environmental justice as new issues to the plan. The Council asked for consideration to additional references and the Council's Imagine 2050 and Water Policy Plans and data and ensuring a comprehensive list of partners is included where appropriate. Clarity was also requested around terms and topics that may need additional context. Suggestions were also made to ensure the plan is Americans with Disabilities Act compliant and typographical errors were noted. During the 90-day review, the Council stated they felt that their comments had been addressed and did not have anything additional.
7. **Department of Agriculture (MDA) Review.** The MDA did not provide formal comment.
8. **Department of Health (MDH) Review.** During the 60-day review, MDH commended the MSCWMO for including groundwater and drinking water but recommend improving goals and strategies to better protect both groundwater and surface water. They commented that groundwater and surface water interactions should be addressed as one interconnected system and would like to see the MSCWMO integrate groundwater impacts more consistently, correct any technical inaccuracies, and align terms, citations, and figures with the Washington County Geologic Atlas and current agency standards. MDH noted areas where updated data, terminology, and rewording may be necessary and provided suggestions on handling sensitive information such as Emergency Response Areas. They requested clearer incorporation of the Lower St. Croix Watershed Partnership and commented on enhancing flood-related protections for wells, expanding education efforts around chloride, and incorporating MDH funding opportunities. During the 90-day review, MDH noted that many of their comments had been addressed, but not all. They note that many figures, credits, and sensitive data items still need to be addressed and recommend doing so during a future Plan amendment.
9. **Department of Natural Resources (DNR) Review.** The DNR did not provide formal comment.
10. **Pollution Control Agency (PCA) Review.** During the 60-day review, the PCA suggested additional context related to lake delisting successes. They also provided comments on identifying priority areas and implementation for those areas. PCA commented on setting quantifiable (numeric) goals to evaluate Plan success. Suggestions were made for adding additional clarity around supporting

environmental justice, strengthening chloride reduction strategies, expanding on climate change as it relates to flooding and infrastructure, and elaborating on older subsurface sewage treatment system programs. During the 90-day review, the PCA noted that they had no additional comments.

11. **Department of Transportation (DOT) Review.** The DOT did not provide formal comment.
12. **Board Review.** During the 60-day review, Board staff thanked the MSCWMO for hosting various Plan development meetings and consulting with staff during plan development. Board staff acknowledged inclusion of priorities related to chloride pollution, climate resiliency, and environmental justice and noted that the Plan was well written and utilized plain language. Board staff provided suggestions related to themes on prioritization, staff capacity, dataset updates and measurability of goals to help bring the plan into conformance with Minnesota Statutes Sections 103B.201 to 103B.251 and Minnesota Rules 8410. Staff also sent unofficial typographical, grammatical, and formatting comments. Staff feels the Plan was revised as necessary to provide required Plan content.
13. **Plan Summary.** The MSCWMO has identified thirteen distinct areas of concern which included groundwater, water quantity, water quality, water monitoring, and wetlands, to name a few. The Plan sets 12 goals to address these areas of concern and prioritized strategies and actions to help reach these goals. The Plan will build on previous success through the continuation of several activities and introduction of new activities such climate change and resiliency and environmental justice. The MSCWMO also developed the following purposes, in addition to those required in MN Statute 103B to guide their goals and policies:
 - Integrate environmental justice in all policies, programs, and activities;
 - Cooperatively manage water resources;
 - Inventory and assess the resources;
 - Monitor the water quality of lakes and streams;
 - Provide education on water related issues;
 - Review development plans for stormwater management, erosion and sediment control, and wetland and shoreland protection; and
 - Plan and implement capital improvement projects that enhance the water resources of the watershed.
14. **Central Region Committee Meeting.** On December 8, 2025, the Board’s Central Region Committee and staff met in St. Paul and online to review and discuss the final Plan. Those in attendance from the Board’s committee Joe Collins (in-person), Jill Crafton (online), Jayne Hager Dee (in-person), Mark Zabel (online), Lori Cox (online), Joel Larson (online), Steve Robertson (in-person), Grant Wilson (online). Board staff in attendance were Marcey Westrick (Central Regional Manager, in-person), Jen Dullum (Board Conservationist, in-person). Others in attendance included Matt Oldenburg-Downing and Rebecca Oldenburg-Downing (MSCWMO Staff, in-person) who provided highlights of the Plan and process and responded to comments. After presentation and discussion, the committee recommended approval of the Plan to the full Board.

CONCLUSIONS

1. All relevant substantive and procedural requirements of law and rule have been fulfilled.
2. The Board has proper jurisdiction in the matter of approving the Watershed Management Plan for the Middle St. Croix Watershed Management Organization (MSCWMO) pursuant to Minnesota Statutes Section 103B.231, Subd. 9.

3. The MSCWMO Watershed Management Plan, attached to this Order, defines the water and water-related problems within the MSCWMO's boundaries, possible solutions thereto, and an implementation program through 2035.
4. The attached Plan is in conformance with the requirements of Minnesota Statutes Sections 103B.201 to 103B.251.

ORDER

The Board hereby approves the attached Middle St. Croix Watershed Management Organization Watershed Management Plan submitted on September 24, 2025.

Dated at Saint Paul, Minnesota this 18th day of December 2025.

MINNESOTA BOARD OF WATER AND SOIL RESOURCES



Todd Holman, Chair
Board of Water and Soil Resources

Date: 12/18/2025

METRO WATERSHED PARTNERS



INVOICE

Attention: Matt Downing
Middle St. Croix WMO
455 Hayward Avenue
Oakdale, MN 55128
Date: 12/22/2025

WATERSHED
PARTNERS

651-523-2371
swicklund02@hamline.edu

Metro Watershed Partners
Hamline University CGEE
1536 Hewitt Ave. MS-A1760
Saint Paul, MN 55104

Project Title: Metro Watershed Partners

Description	Cost
2026 Membership: Watershed Partners and Adopt-a-Drain	\$500.00
TOTAL	\$500.00

Benefits of membership:

- You and your colleagues are invited to attend our **monthly meetings**, both in person and virtual, to network and share information with other watershed education professionals and to hear monthly speakers on topics relevant to our work. The Watershed Partners meet on the second Wednesday of the month from 9:30–11am.
- Join our **listserv on Mobilize** to receive meeting notifications and partner updates, message with other partners, and send announcements. To be added to Mobilize, please email Sofie Wicklund (swicklund02@hamline.edu) and request to be added.
- Portable **educational exhibits** are available for free checkout. More information available [here](#).
- Your organization is **listed as a supporting partner** on cleanwatermn.org/about-us, and on adopt-a-drain.org when someone clicks on a drain in your service area, and on email communication to adopters in your area.
- Clean Water MN is now the host of the [Low Salt, No Salt Minnesota Toolbox](#) and LSNS is an annual partner of [Winter Salt Week](#).
- Access to the [CWMN photo gallery](#) with hundreds of high-quality photographs. A new and improved digital resource library will be launched in early 2026.
- Access to an **Adopt-a-Drain administrative portal** that allows you to view and download data about adopted drains and program participants in your area. Log in at mn.adopt-a-drain.org/nova. Contact us if you do not already have admin access and would like to be added.
- A customized MS4-ready **annual report** that includes summary data about adopted drains and program participants in your area.
- Access to **print resources to promote Adopt-a-Drain** to residents in your area. View the most current marketing guide [here](#). Download promotional materials from the [Google Drive folder](#).
- For an additional fee, Adopt-a-Drain participants in your area can receive **yard signs and a printed "welcome kit"** in the mail.

Duration of service: January 1 - December 31st, 2026. Unspent funds will rollover to support program activities in 2027.



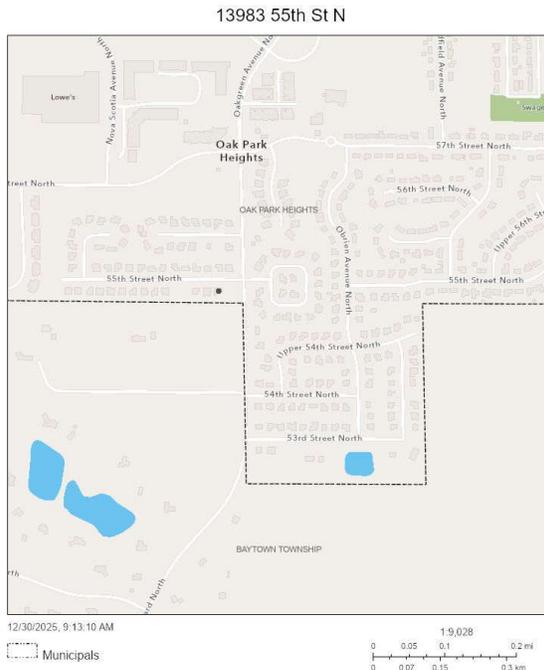
TO: Middle St. Croix Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Specialist, Washington Conservation District
DATE: December 30, 2025
RE: Jackson Stewardship Grant Request

Oak Park Heights residents Mitch and Lyndsay Jackson are applying for a 2026 MSCWMO Stewardship Grant to covert approximately 1,200 square feet of existing turf to native pollinator garden on their property located at 13983 55th St N. Stewardship Grant funds will be used to reimburse for native plant and seed purchases, as well as mulch control material. The goal of the project is to reduce runoff volume from the property and to provide diverse pollen and nectar resources to pollinators throughout the season.

Project Estimate: \$1,471.05
Amount of Phosphorus removed: n/a
Cost Share requested: \$500

Requested Board Action: Motion by Board Member 1, seconded by Board Member 2, to approve encumbrance of \$500 cost share for the Jackson Turf-to-Prairie project at 13983 55th St N, Stillwater, MN 55082.

Location & Photos:



12/30/2025, 9:13:10 AM
 Source: Esri, TomTom, Garmin, FAD, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

MSCWMO Member Communities

Afton • Bayport • Baytown • Lakeland • Lakeland Shores • Lake St. Croix Beach • Oak Park Heights
 St. Mary's Point • Stillwater • West Lakeland



TO: Middle St. Croix Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Specialist, Washington Conservation District
DATE: December 30, 2025
RE: Stonebridge Elementary School Forest Water Quality Improvement Grant Request

Jessica Drummond is applying for a 2026 MSCWMO Water Quality Improvement Grant on behalf of Stonebridge Elementary School in Stillwater to restore 2.5 acres of buckthorn-dominated school forest. The Stonebridge Elementary school forest is a 2.5 acre parcel upstream of and adjacent to a small emergent wetland and series of stormwater ponds draining to Lake McKusick. The forest is currently dominated by aging cultivated pines with buckthorn in the understory. It was designated a school forest by the DNR in 2023 and is city property. This project will remove invasive species and install native forest understory trees and shrubs with help from Stonebridge Elementary students and community members.

The removal of invasive species and restoration of the forest ground layer will enhance water quality via soil stabilization from root structure, water uptake, and filtration. The project is located in Catchment McK-20, a prioritized catchment of the 2011 Lake McKusick Stormwater Retrofit Assessment and is estimated to reduce soil loss and nutrient export, enhancing the efficacy and lifespan of downstream BMPs.

The applicant has submitted a letter of support from the City of Stillwater expressing support and approval of the project (see attached).

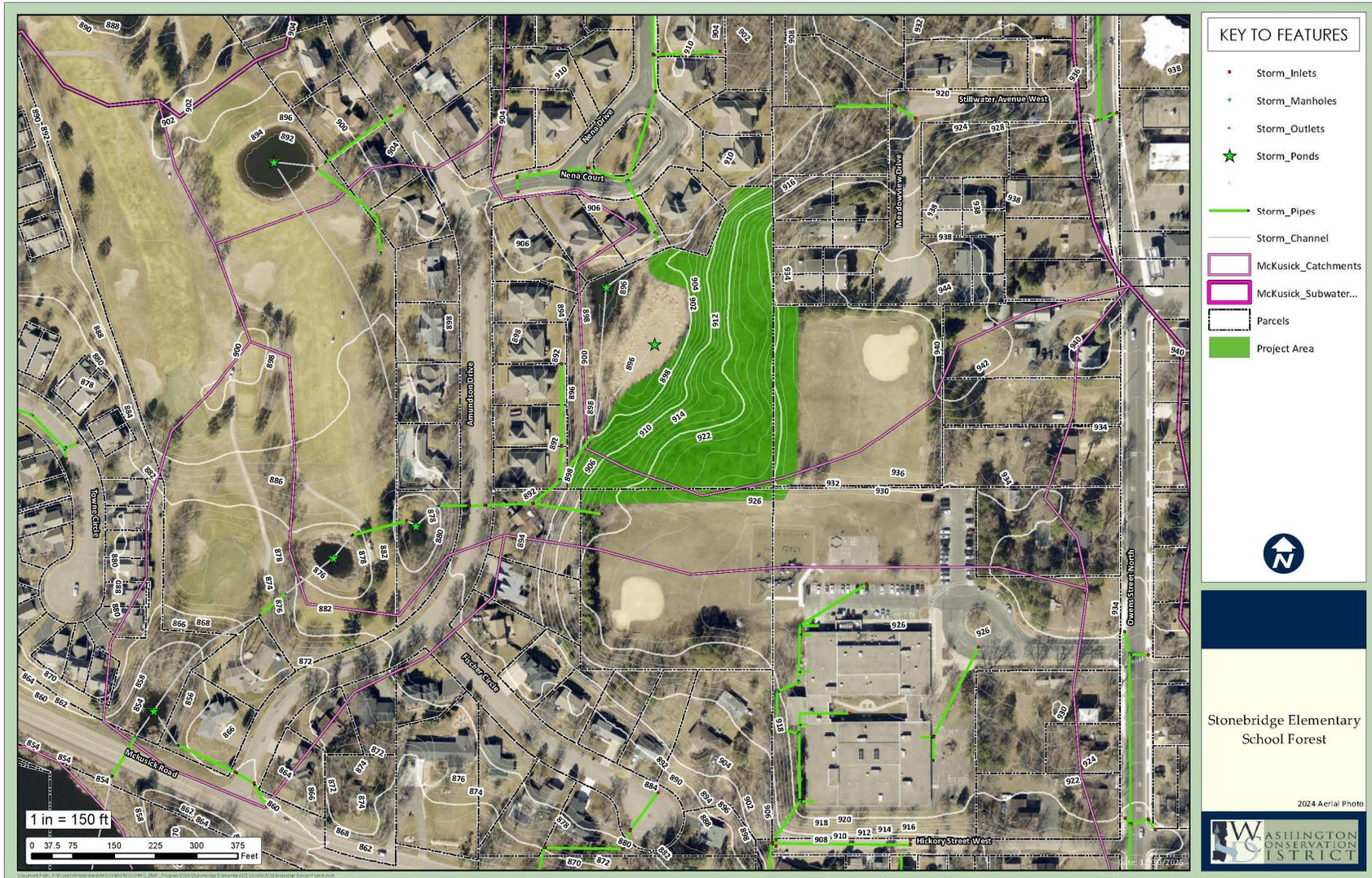
Project Estimate: \$8,309.70

Amount of Phosphorus removed: 0.88 lbs/yr

Cost Share requested: \$2,200.00

Requested Board Action: Motion by Board Member 1, seconded by Board Member 2, to approve encumbrance of \$2,200.00 cost share for the Stonebridge Elementary School Forest Restoration project at 900 Owens St N, Stillwater, MN 55082.

Location & Photos:



Dear Middle St. Croix WMO Grant Review Committee:

I am writing to offer my support and partnership for the Stonebridge School Forest a collaboration between the Minnesota DNR, the City of Stillwater and other cities to restore and enhance publicly owned school forests.

The City of Stillwater is committed to collaborating with the Stonebridge Elementary School Forest Committee and the DNR on the MSCWMO Cost-Share Program. We would like Stonebridge School Forest Committee to use these grant funds to help with the control and replacement of invasive woody plants in a city-owned 3-acre forest called Stonebridge School Forest, in Stillwater, MN.

The forest has an even aged canopy populated by red pine, American elm, boxelder, black walnut, silver maple and eastern cottonwood. The forest has been invaded by several noxious weeds, including common buckthorn, amur maple and garlic mustard. The forest floor is void of native forb and grass diversity. This project seeks to control invasive plants and promote the return of native plants to the understory to stabilize the soils and create new opportunities for wildlife habitat. Additionally, we would like to plant a variety of native trees and shrubs to increase diversity and resiliency in this forested natural area.

Sincerely,

A handwritten signature in black ink, appearing to read 'ACoyne', written in a cursive style.

Andrew Coyne | Natural Resources Technician
ISA Certified Arborist SO-10571A
City of Stillwater
216 4th St N. Stillwater, MN 55082
Office: 651-430-8836



TO: Matt Oldenburg-Downing, Administrator
FROM: Rebecca Nestingen, PE
DATE: December 31, 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):

- **1081 Quixote Ave.** The MSCWMO has previously approved two site plans for 1081 Quixote Ave, neither of which have been implemented. The applicant is requesting approval for one of two proposed revisions to the most recently approved plan. *Staff recommends that the Board does not accept either plan as presented, and direct the applicant to revise and resubmit.*
- **Bridgeview Parking Lot.** Submittal items were received on December 15th, 2025 for parking lot reconstruction of the Bridgeview Parking Lot within the MSCWMO boundaries and the City of Stillwater. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) for over 6000 square feet of reconstructed impervious and work within public waters buffers. The fully meets MSCWMO MIDS volume retention and rate control standards. *MSCWMO staff recommends board approval with four conditions.*



TO: Middle St. Croix WMO Board of Managers
FROM: Matt Oldenburg-Downing, Administrator
DATE: December 30, 2025
RE: 9a.) 1081 Quixote Ave Site Fill and Wall

The MSCWMO has previously approved two site plans for 1081 Quixote Ave, neither of which have been implemented. The applicant is requesting approval for one of two proposed revisions to the most recently approved plan. As explained by the applicant, these are:

Plan A: Includes the wall as was initially built, but with the top tier of boulders removed around the perimeter of the north, east, and south sides. This lowers the top level to be approximately level with the highest point of the existing steel piling wall. The pitch to the south is close to vertical but slightly pitched to the north for stability and tucked behind the steel pilings to hold the edge securely. The original pitch prior to the project was approximately 1:1 with mixed cement, rebar, patio stones, and rocks. This option would be more durable and safer than the original which had exposed rebar, embedded sharp wire fencing, and rough concrete topping. It would not require any further disruption to the area other than removing the boulders placed to the south. Another advantage is that it would allow room for plantings of shrubs or trees along the top edge without blocking access for maintenance trucks to pass on the south side as had been done in the past.

Plan B: Is to dig into the top portion of the current wall removing some soil to pitch it inwards approximately 2:1 starting just west of a securing column of boulders that are tucked in behind the existing vertical steel pilings for stability. This option would have an "arc" from just south of the steel pilings matching back to the property line on the south as it got back in line to the porch and house to the west, adding some additional north/south pitch for the portion of the wall after the steel vertical existing portion to where it flattens out at the house, about 15 feet to the west. It also includes removing all boulders to the south on the neighboring property. With this option it would be challenging to put plantings, shrubs or trees, along the top south side of the lot without impeding prior access for maintenance through that zone of the property. This option would also make it less likely that the project could be completed prior to spring or after the spring flood due to frozen ground and winter conditions.

Staff has reviewed the plans provided and deemed neither to be in conformance with standards:

- Plan A – This is functionally the existing condition which has already been deemed unacceptable.
- Plan B – This is a design change to the existing condition but does not meet standards. A 3:1 maximum slope is required for the slope. The previous compromise of 2:1 while utilizing the neighboring property was influenced by the fact that the existing conditions would not need to be disturbed to accomplish. The existing wall will need to be removed and new underlayment placed to be structurally sound, since the slope will need to be disturbed again, the redesign should meet standards.

Additionally, MNDNR comment was received and is as follows:

DATE: December 30, 2025

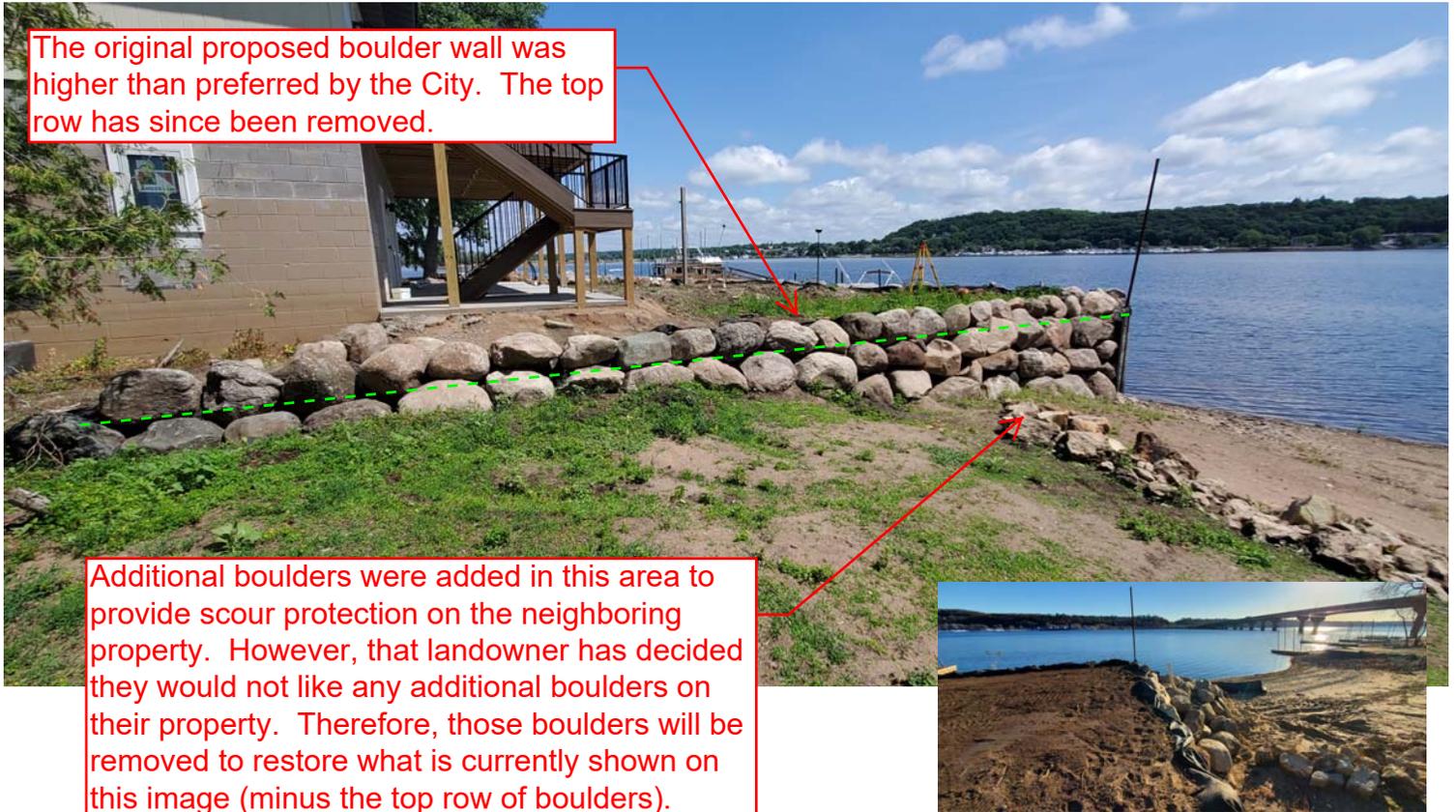
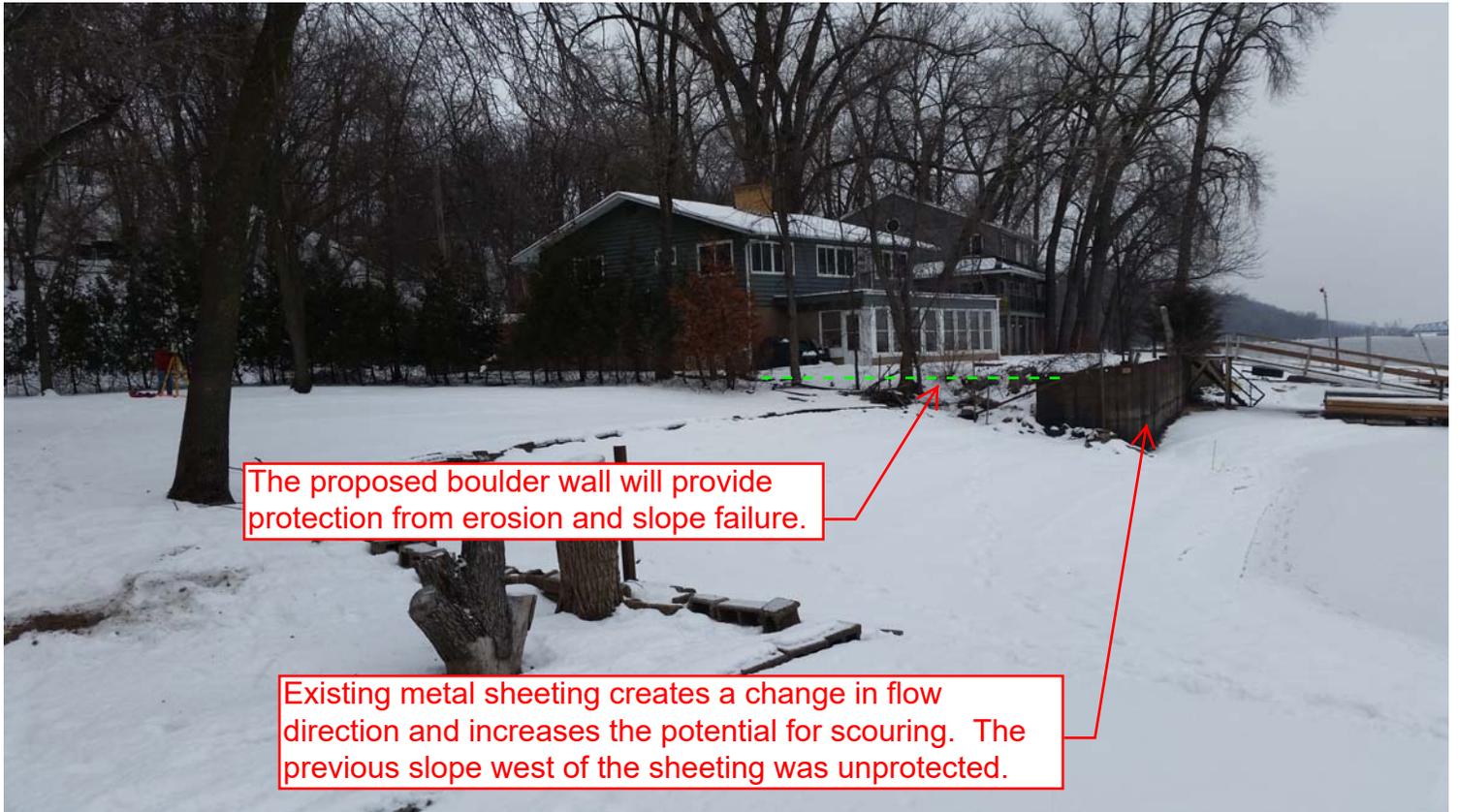
pg. 2

RE: 9a.) 1081 Quixote Ave Site Fill and Wall

Plan A and Plan B are both problematic. Plan B is the better approach, but it should be modified with a 3:1 slope instead of a 2:1 slope. The landowner would still have ample room for access to the river side of the property from the north side of the lot.

Staff recommends that the Board does not accept either plan as presented, and direct the applicant to revise and resubmit.

OPTION "A"



OPTION "A"



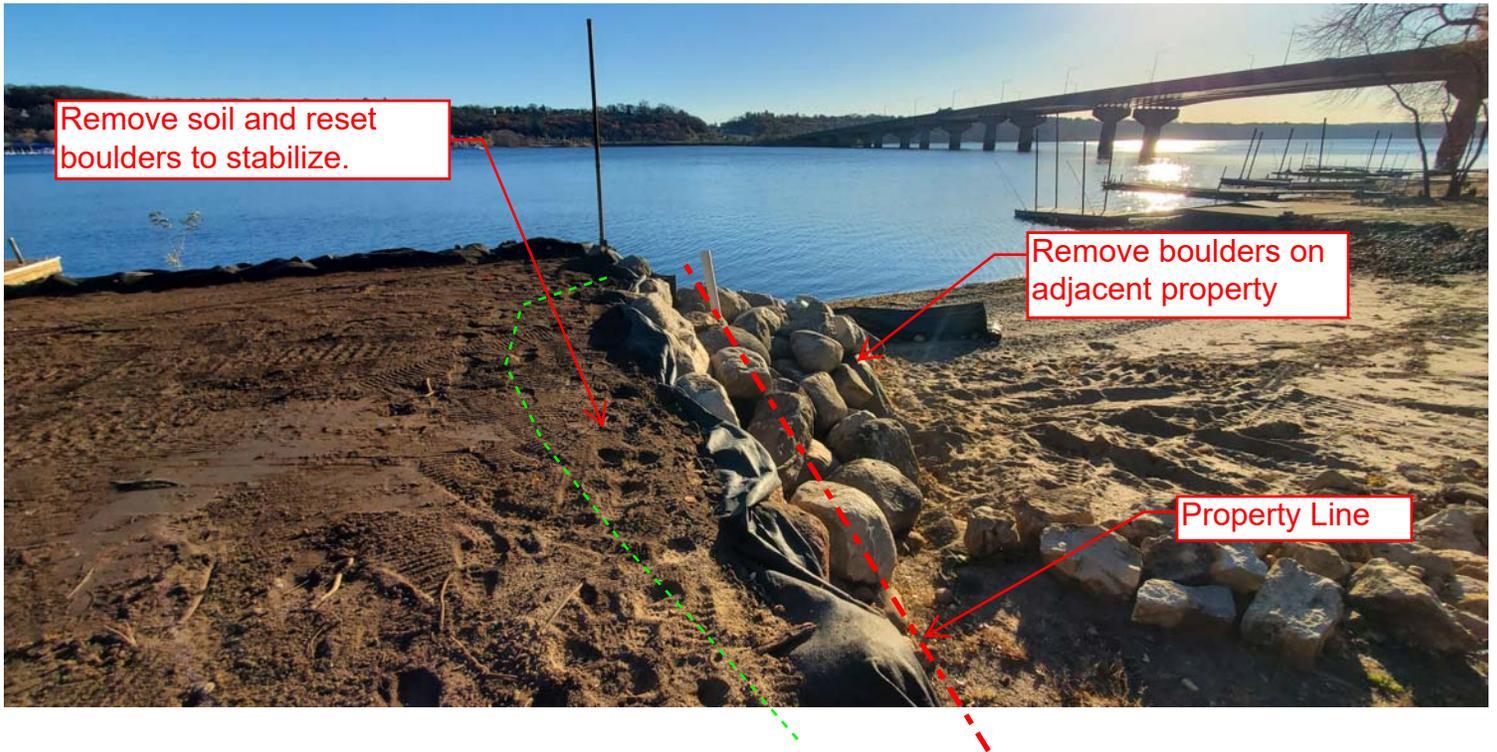
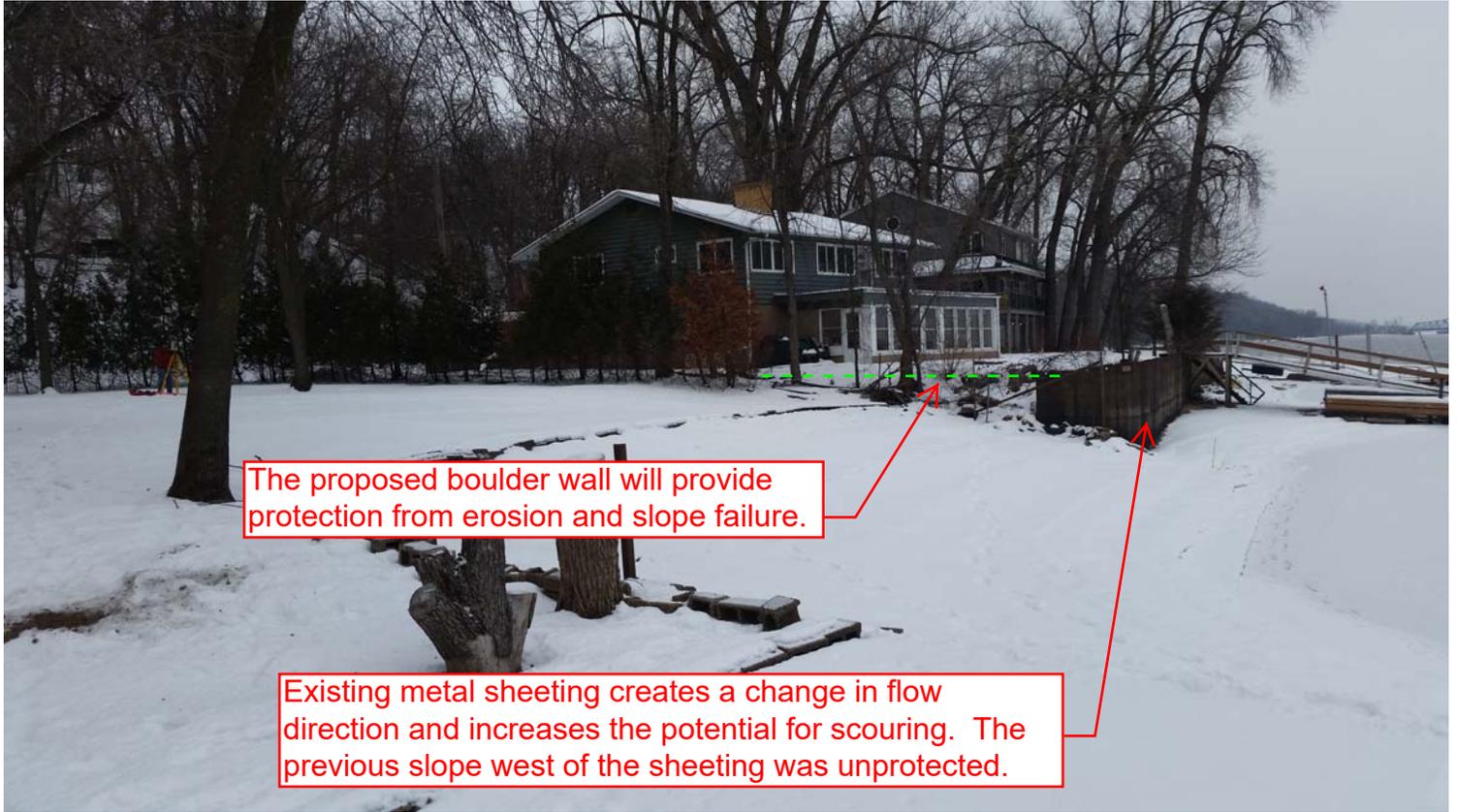
Top row has been removed.

Property Line

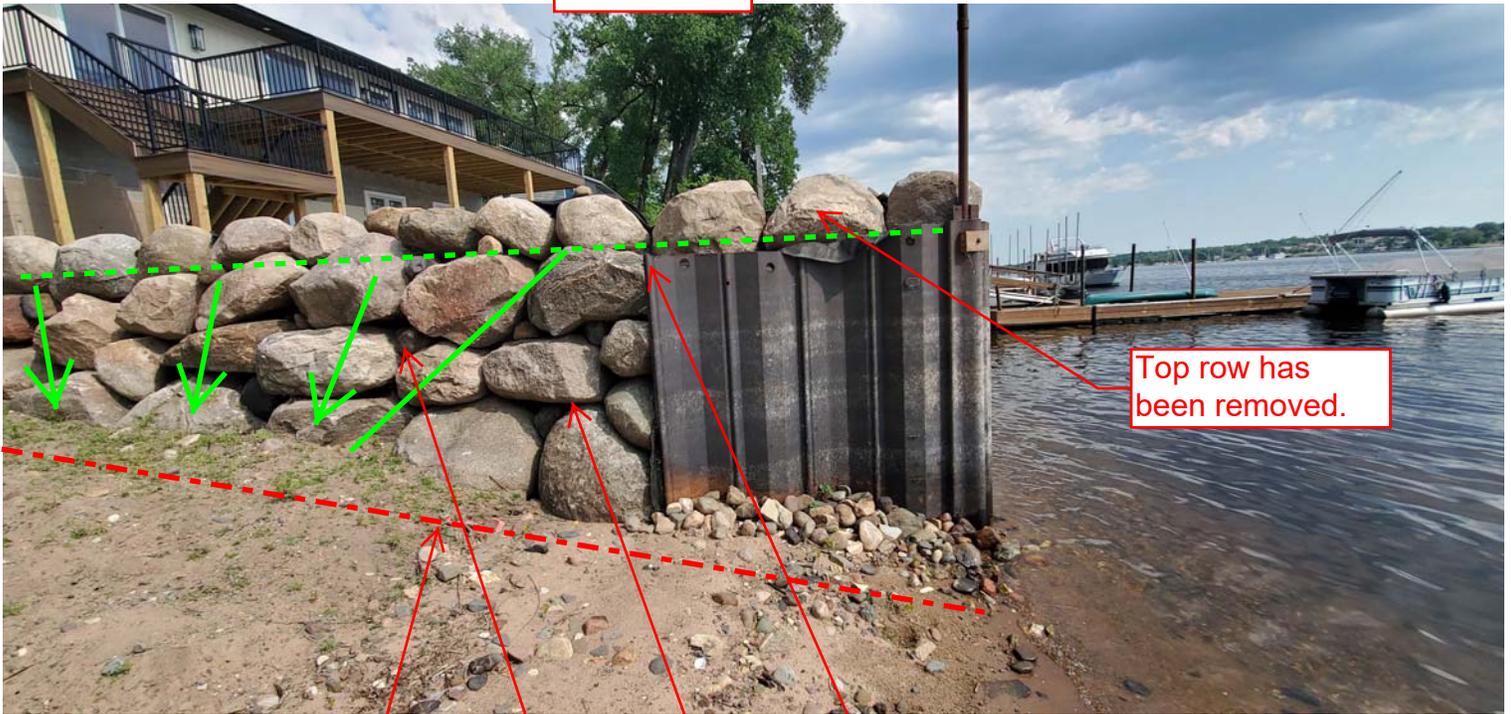
Matching to top corner of the existing sheeting will provide the most uniform flow in highwater conditions.

Boulders in this location will not increase the potential for scouring that has already been created by the existing steel sheeting. Extending the boulders south at a 45 degree angle would have decreased the existing scour potential, but the adjacent landowner does not want any modifications to their property.

OPTION "B"



OPTION "B"



Top row has been removed.

Property Line

Matching to top corner of the existing sheeting will provide the most uniform flow in highwater conditions.

Boulders at corner shall remain to transition to vertical orientation of existing steel sheeting

Push back/reset boulders at 2:1 slope and restabilize.

PROJECT:
JOSEPH & HELEN BRENNAN
1081 QUIXOTE AVE. N.
LAKELAND, MN 55043

LAWN RESTORATION
1081 QUIXOTE AVE. N.
PART OF GOVERNMENT LOT 4,
SECTION 26, T29N, R20W, CITY
OF LAKELAND, WASHINGTON
COUNTY, MN

LEGEND:
PROPERTY LINE
PRIOR TO CONSTRUCTION
5FT CONTOUR
1FT CONTOUR
XXX.XX SPOT ELEVATION

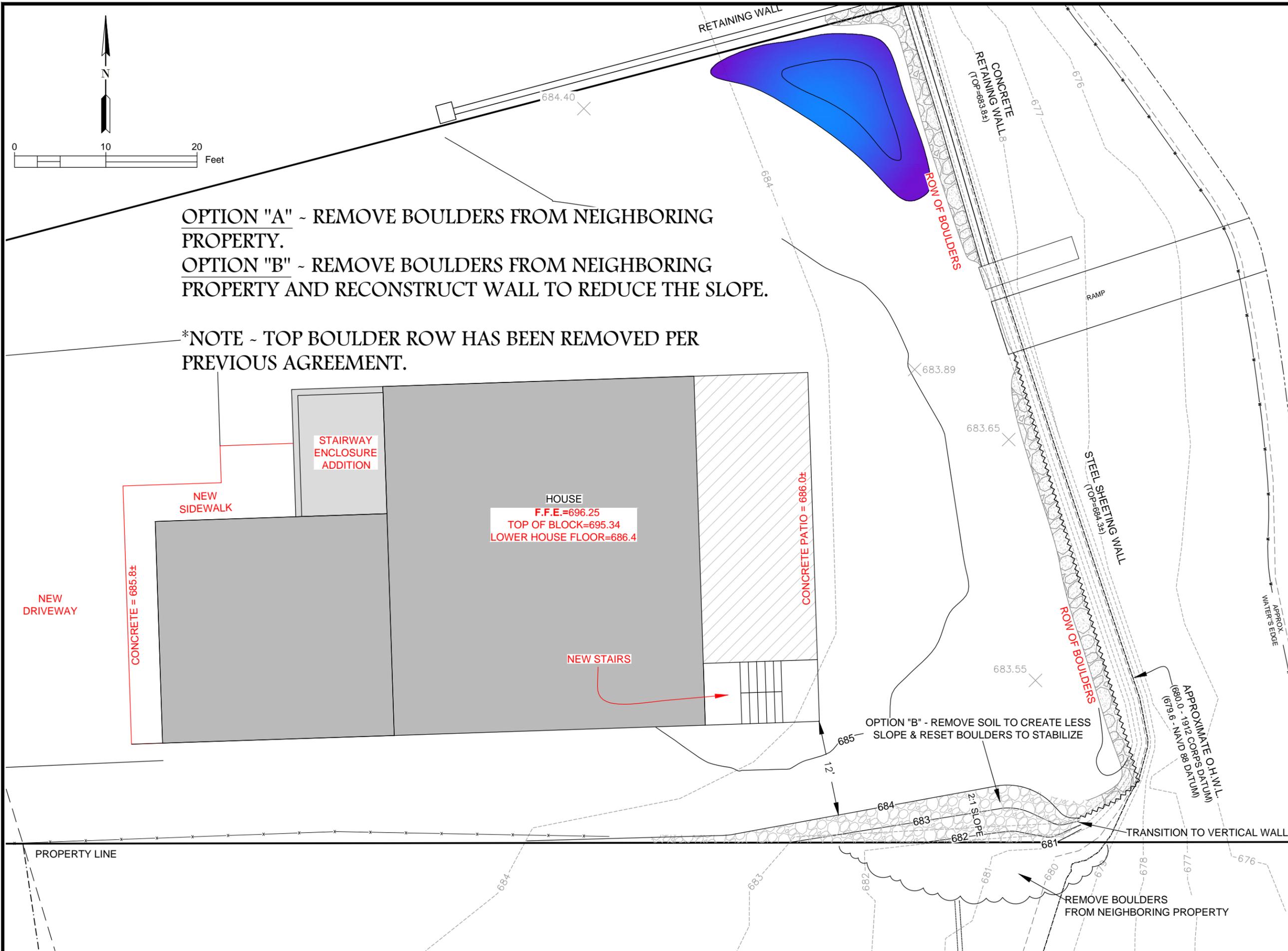
THE ELEVATIONS SHOWN ARE ON
NAVD 1988 DATUM DERIVED FROM
GPS OBSERVATIONS AND
WASHINGTON COUNTY LIDAR DATA.

DRAWN BY: JMS
CHECKED BY: JMS
DATE: 02/15/22
DWG FILE: 243-BRENNAN
REF FILE: 116-LENZ (JOHNSON)
JOB NUMBER: 243-BRENNAN

REVISION DESC.	STAFF	
DRAFT	JMS	07/21/25
CUP SUBMITTAL	JMS	08/25/25
AS-BUILT	JMS	11/17/25
SOUTH WALL	JMS	12/08/25

SOUTH WALL REVISION

SHEET NO.
SOUTH WALL



OPTION "A" ~ REMOVE BOULDERS FROM NEIGHBORING PROPERTY.
OPTION "B" ~ REMOVE BOULDERS FROM NEIGHBORING PROPERTY AND RECONSTRUCT WALL TO REDUCE THE SLOPE.

***NOTE ~ TOP BOULDER ROW HAS BEEN REMOVED PER PREVIOUS AGREEMENT.**



December 31, 2025

Shawn Sanders
City of Stillwater
216 N Fourth Street
Stillwater, MN 55082

Dear Mr. Sanders,

The Middle St. Croix Watershed Management Organization (MSCWMO) received initial submittal materials on December 15th, 2025 for the proposed parking lot reconstruction at Bridgeview Parking Lot (1129-1145 Main St S) within the MSCWMO boundaries and the City of Stillwater. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it involves fully reconstructing 6000 square feet or more of impervious and work within public waters buffers. The MSCWMO staff have reviewed the project and found the plans as submitted are meeting MSCWMO standards contingent upon the following items:

1. Appropriate soil borings have been conducted that meet the minimum standards and demonstrate assumed design infiltration rate based on soil texture and three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils.
2. Tabulated quantities of all erosion prevention and sediment control BMPs are provided.
3. Blufflines are protected from construction activities in urban (40 foot buffer) areas.
4. A buffer zone of not less than 100 linear feet from the St. Croix River OWH is maintained both during construction and as a permanent feature post construction

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,

A handwritten signature in black ink, appearing to read "Matt Oldenburg-Downing".

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



MSCWMO Review ID: 25-027

Review Date: 12/31/2025

Project Name: Bridgeview Parking Lot

Location: 1129-1145 Main St S, Stillwater

Applicant: Dillon McClung, Stillwater

Purpose: Construction of a parking along the river

Recommendation: Plan is meeting MSCWMO standards contingent upon the following items:

1. Appropriate soil borings have been conducted that meet the minimum standards and demonstrate assumed design infiltration rate based on soil texture and three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils.
2. Tabulated quantities of all erosion prevention and sediment control BMPs are provided.
3. Blufflines are protected from construction activities in urban (40 foot buffer) areas.
4. A buffer zone of not less than 100 linear feet from the St. Croix River OWH is maintained both during construction and as a permanent feature post construction

Applicability:

- Any project undertaking grading, filling, or other land alteration activities which involve movement of 100 cubic yards of earth or removal of vegetation on greater than 10,000 square feet of land.
- Any project that creates or fully reconstruct 6,000 square feet or more of impervious surface.
- All major subdivisions or minor subdivisions that are part of a common plan of development. Major subdivisions are defined as subdivisions with 4 or more lots.
- Any project with wetland impacts, grading within public waters, grading within buffers or within 40-feet of the bluff line.
- Development projects that impact 2 or more of the member communities.
- New or redevelopment projects within the St. Croix Riverway that require a building permit that add 500 square feet of additional impervious surface.
- Any project requiring a variance from the current local impervious surface zoning requirements for the property.
- Any land development activity, regardless of size, that the City determines is likely to cause an adverse impact to an environmentally sensitive area or other property, or may violate any other erosion and sediment control standard set by the member community.

Submittal Items:

- A completed and signed project review application form and review fee.
- Grading Plan/Mapping Exhibits:
 - Property lines and delineation of lands under ownership of the applicant.

- Delineation of existing on-site wetlands, shoreland and/or floodplain areas (including any buffers).
- Ordinary High Water (OHW) elevations and datum, as determined by the MDNR (if applicable).
- Existing and proposed site contour elevations related to NAVD 1988 datum (preferred) or NGVD, 1929. Datum must be noted on exhibits.

NA Drainage easements covering land adjacent to ponding areas, wetlands, and waterways up to their 100-year flood levels and covering all ditches and storm sewers. Access easements to these drainage easements and to other stormwater management facilities shall also be shown. (Not required for sites within public right-of-way)

NA Minimum building elevation for each lot.

- Identification of downstream water body.
- Delineation of the subwatersheds contributing runoff from off-site, proposed and existing on-site subwatersheds, and flow directions/patterns.
- Location, alignment, and elevation of proposed and existing stormwater facilities.
- Existing and proposed normal water elevations and the critical (the highest) water level produced from the 100-year 24-hour storms.

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

- A Stormwater Pollution Prevention Plan in compliance with the requirements of the NPDES SDS Construction Stormwater Permit.

NA Permanent Stormwater Management System in compliance with the requirements of the NPDES SDS Construction Stormwater Permit and MSCWMO Performance Standards.

- Impervious areas (Pre- and Post-Construction).
- Construction plans and specifications for all proposed stormwater management facilities.

NA Location(s) of past, current or future onsite well and septic systems (if applicable).

- Other exhibits required to show conformance to these Performance Standards.

- Hydrologic/Hydraulic Design Exhibits:

- All hydrologic and hydraulic computations completed to design the proposed stormwater management facilities shall be submitted. Model summaries must be submitted. The summaries shall include a map that corresponds to the drainage areas in the model and all other information used to develop the model.

- A table (or tables) must be submitted showing the following:

- A listing of all points where runoff leaves the site and the existing and proposed stormwater runoff rates and volumes.

NA A listing of the normal water levels under existing and proposed conditions and the water levels produced from the storm and runoff events listed above for all on-site wetlands, ponds, depressions, lakes, streams, and creeks.

- NA A proposed maintenance agreement, which may be in the format of Appendix I, or other form approved by the city.
- This site drains to, and is within one mile of special or impaired water and complies NPDES CSW additional requirements.

STORMWATER MANAGEMENT PERFORMANCE STANDARDS

- Water quality treatment is provided prior to direct discharge of stormwater to wetlands and all other water bodies.

Rate and Flood Control Standards

- The peak rate of stormwater runoff from a newly developed or redeveloped site shall not exceed the 2-, 10-, and 100-year 24-hour storms with respective 2.8, 4.2, and 7.3-inch rainfall depths with MSCWMO approved time distribution based on Atlas 14 for existing and proposed conditions. The runoff curve number for existing agriculture areas shall be less than or equal to the developed condition curve number. The newly developed or redeveloped peak rate shall not exceed the existing peak rate of runoff for all critical duration events, up to and including the 100-year return frequency storm event for all points where discharges leave a site during all phases of development.
- Predevelopment conditions assume “good hydrologic conditions” for appropriate land covers as identified in TR-55 or an equivalent methodology. Runoff curve numbers have been increased where predevelopment land cover is cropland:

Hydrologic Soil Group A	Runoff Curve Number 56
Hydrologic Soil Group B	Runoff Curve Number 70
Hydrologic Soil Group C	Runoff Curve Number 79
Hydrologic Soil Group D	Runoff Curve Number 83

- NA Computer modeling analyses includes secondary overflows for events exceeding the storm sewer systems level-of-service up through the critical 100-year event.
- NA In sub-areas of a landlocked watershed, the proposed project does not increase the predevelopment volume or rate of discharge from the sub-area for the 10-year return period event.
- NA Flowage easements up to the 100-yr flood level have been secured for stormwater management facilities (such as ditches and storm sewers).
- NA Lowest floor elevations of structures built adjacent to stormwater management features and other water bodies are a minimum of two feet above the 100-year flood elevation and a minimum of two feet above the natural overflow of landlocked basins.

Volume Control Standards

- Calculations/computer model results indicate stormwater volume is controlled for new development and redevelopment requirements per the MSCWMO Design Standards.

Volume Retention Required (cu. ft.)	Volume Retention Provided (cu. ft.)
$14,614 \text{ sq. ft.} \times \frac{1.1 \text{ in}}{12 \text{ in/ft}} = 1,340 \text{ cu. ft.}$	BMP Volume BMP #1 1669 cu. ft.

$XX,XXX \text{ sq. ft.} \times \frac{0.55 \text{ in}}{12 \text{ in/ft}} = X,XXX \text{ cu. ft.}$	BMP #2 X,XXX cu. ft.
Total Required Volume Retention = 1340 cu. ft.	Total Provided Volume Retention = 1669 cu. ft.

Flexible Treatment Options (when applicable)

- NA Applicant demonstrated qualifying restrictions as defined in Section 7.2.2 (4) of the 2015 MSCWMO Watershed Management Plan that prohibits the infiltration of the entire required volume.
- NA FTO #1: MIDS calculator submission removes 75% of the annual total phosphorous.
- NA FTO #2: MIDS calculator submission removes 60% of the annual total phosphorous.
- NA FTO #3: Offsite mitigation equivalent to the volume reduction standard is provided.

Infiltration/Filtration Design Standards

- Proposed stormwater management features meet or exceed NPDES General Construction Permit requirements are designed in conformance with the most recent edition of the State of Minnesota Stormwater Manual.
- None of the following conditions exist that prohibit infiltration of stormwater on the site
 - a. Areas where vehicle fueling and maintenance occur.
 - b. Areas where contaminants in soil or groundwater will be mobilized by infiltrating stormwater.
 - c. Areas where soil infiltration rates are field measured at more than 8.3 inches per hour unless amended to slow the infiltration rate below 8.3 inches per hour.
 - d. Areas with less than three (3) feet of separation distance from the bottom of the infiltration system to the elevation of the seasonally saturated soils or the top of bedrock.**
 - e. Areas of Hydrologic Soil Group D (clay) soils
 - f. Areas within DSWMAs and ERAs unless infiltration is deemed appropriate based on Minnesota Stormwater Manual Guidance
 - g. Areas within 1,000 feet up-gradient, or 100 feet down-gradient of active karst features unless allowed by a local unit of government with a current MS4 permit.
 - h. Areas that receive runoff from industrial facilities not authorized to infiltration stormwater under the NPDES stormwater permit for industrial activities.

- Minimum setbacks from the Minnesota Department of Health for infiltration practices are met

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

- Pretreatment device(s) remove at least 50% of sediment loads. If downstream from a potential hot spot, a skimmer is in place to facilitate cleanup.
- Water quality volume will be discharged through infiltration or filtration media in 48 hours or less.

- For bioretention (biofiltration and bioinfiltration) volume control management facilities above ground with vegetation the period of inundation shall be calculated using the maximum water depth below the surface discharge elevation and the soil infiltration rate.
 - For infiltration basin volume control management facilities the period of inundation shall be calculated using the maximum water depth below the surface discharge elevation and the soil infiltration rate.
 - Appropriate soil borings have been conducted that meet the minimum standards.
 - a. A minimum of one boring was conducted at the location of the infiltration facility for facilities up to 1,000 ft²; between 1,000 and 5,000 ft², two borings; between 5,000 and 10,000 ft², three borings; and greater than 10,000 ft², 4 borings plus an additional boring for every 2,500 ft² beyond 12,500 ft².
 - b. Soil borings extend a minimum of five feet below the bottom of the infiltration practice. If fractured bedrock is suspected, the soil boring goes to a depth of at least ten feet below the proposed bottom of the volume control facility.
 - c. A minimum of three feet of separation to the seasonal water table and/or bedrock.
 - d. Identify unified soil classification.
 - The least permeable soils horizon identified in the soil boring dictated the infiltration rate.
 - Additional flows are bypassed and are routed through stabilized discharge points.
- NA Filtration basin demonstrates a basin draw down between 24 hours and 48 hours.
- NA Filtration system Iron Enhanced Sand Filter is sized to bind soluble phosphorous removal for 30 year functional life of the system using the published value of 17lbs.phosphorous removal per 20 yards of 5% by weight iron filings to 95% sand.
- Identify as build survey and method to demonstrate infiltration or filtration basin is functioning.
 - Construction plans provide adequate construction guidance to prevent clogging or compaction and demonstrate performance.
 - a. Excavation within 2.0 feet of final grade for infiltration/filtration systems is prohibited until contributing drainage areas are constructed and fully stabilized.
 - b. Rigorous sediment and erosion controls planned to divert runoff away from the system.
 - c. Installation of volume control facilities must occur in dry soil conditions. Excavation, soil placement and rapid stabilization of perimeter slopes must be accomplished prior to the next precipitation event.
 - d. 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.
 - e. Prior to the release of any remaining fee or security, the permit holder must provide documentation that constructed volume control facilities perform as designed.
 - There is a way to visually verify the system is operating as designed.
 - A minimum 8.0' maintenance access is provided to all stormwater facilities.

EROSION AND SEDIMENT CONTROL PERFORMANCE STANDARDS

- A Stormwater Pollution Prevention Plan (SWPPP) that meets the National Pollutant Discharge Elimination System (NPDES) requirements.

Narrative

- Identify the person knowledgeable and experienced who will oversee the implementation of the SWPPP; the installation, inspection, and maintenance of the BMPs.
 - a. Identifies the person who will oversee the BMP inspection and maintenance.
 - b. Identify the training requirements are satisfied.
 - c. Inspections performed once every 7 days.
 - d. Inspections performed within 24 hours of a rain event greater than 0.5 in/24 hours.
 - e. Inspection and Maintenance records include:
 - i. Date and time of inspection.
 - ii. Name of person(s) conducting inspections.
 - iii. Finding of inspections, including the specific location where corrective actions are needed.
 - iv. Corrective actions taken (including dates, times, and party completing maintenance activities).
 - v. Date and amount of rainfall events greater than 0.5 in/24 hours.
 - vi. Rainfall amounts must be obtained by a properly maintained rain gauge installed onsite, or by a weather station that is within one mile or by a weather reporting system.
 - vii. Requirements to observe, describe, and photograph any discharge that may be occurring during the inspection.
 - viii. All discovered nonfunctional BMPs must be repaired, replaced, or supplemented with functional BMPs within 24 hours after discovery, or as soon as field conditions allow.
- Describes procedures to amend the SWPPP and establish additional temporary ESC BMPs as necessary for site conditions.
- Describes the installation timing for all Erosion Sediment Control (ESC) Best Management Practices (BMPs).
- Describes final stabilization methods for all exposed areas.
- Methods used to minimize soil compaction and preserve topsoil must be described.
- Describes dewatering technique to prevent nuisance conditions, erosion, or inundation of wetlands.
- NA Identifies any specific chemicals and the chemical treatment systems that may be used for enhancing the sedimentation process on the site, and how compliance will be achieved with the permit requirements.
- Describes the following pollution prevention management measures:
 - a. Storage, handling, and disposal of construction products, materials, and wastes.
 - b. Fueling and maintenance of equipment or vehicles; spill prevention and response.
 - c. Vehicle and equipment washing.
 - d. No engine degreasing allowed on site.
 - e. Containment of Concrete and other washout waste.
 - f. Portable toilets are positioned so that they are secure.

Plan Sheets

- NA Temporary Sediment Basins required (10 acres draining to common location or 5 acres App. A) and design meets the following criteria:
 - a. Adequately sized – 2-year, 24-hour storm, minimum 1,800 feet/acre; or no calculative minimum 3,600ft³/acre.
 - b. Designed to prevent short circuiting.
 - c. Outlets designed to remove floating debris.

- d. Outlets designed to allow complete drawdown.
- e. Outlets designed to withdraw water from the surface
- f. Outlets have energy dissipation.
- g. Have a stabilized emergency spillway.
- h. Situated outside of surface waters and any natural buffers.

- Locations and types of all temporary and permanent Erosion Control BMPs.
 - a. Exposed soils have erosion protection/cover initiated immediately and finished within 7 days.
 - b. Wetted perimeters of ditches stabilized within 200 feet of surface water within 24 hours.
 - c. Pipe outlets have energy dissipation within 24 hours of connecting.
- Locations and types of all temporary and permanent Sediment Control BMPs.
 - a. Sediment control practices established on down gradient perimeters and upgradient of any buffer zones.
 - b. All inlets are protected.
 - c. Stockpiles have sediment control and placed in areas away from surface waters or natural buffers.
 - d. Construction site entrances minimize street tracking?
 - e. Plans minimize soil compaction and, unless infeasible to preserve topsoil.
 - f. Fifty foot natural buffers preserved or (if not feasible) provide redundant sediment controls when a surface water is located within 50 feet of the project's earth disturbances and drains to the surface water.
- Tabulated quantities of all erosion prevention and sediment control BMPs.**
- NA Stormwater flow directions and surface water divides for all pre- and post-construction drainage areas.
- Locations of areas not to be disturbed (buffer zones).
- NA Location of areas where construction will be phased to minimize duration of exposed soil areas.
- Blufflines are protected from construction activities in urban (40 foot buffer) areas** and rural areas (100-foot buffer). **Work occurs within 40' of bluffline**

WETLAND PERFORMANCE STANDARDS

- NA Direct discharge of stormwater to wetlands and all other water bodies without water quality treatment is prohibited.
- NA Any potential changes to the hydrology of the wetland (i.e. changes to the outlet elevation or contributing drainage area) must be reviewed to evaluate the impact of both the existing and proposed wetland conditions and approved by the MSCWMO.
- NA Land-altering activities shall not increase the bounce in water level or duration of inundation from a 2.0-inch 24-hour storm for any downstream wetland beyond the limit specified in Table 7.2 for the individual wetland susceptibility class.

LAKE, STREAM AND WETLAND BUFFER PERFORMANCE STANDARDS

- NA A buffer zone of unmowed natural vegetation is maintained or created upslope of all water bodies (wetlands, streams, lakes).
- NA A 50 foot natural buffer or (if a buffer is infeasible) provide redundant sediment controls when a surface water is located within 50 feet of the project's earth disturbances and stormwater flows to the surface water.

- If adjacent to a Special or Impaired Water an undisturbed buffer zone of not less than 100 linear feet from the special water is maintained both during construction and as a permanent feature post construction. Buffer is only approximately 65'



Staff Report- December 2025

Administration

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

Project Reviews

- 1081 Quixote Ave – **ACTION**
- Bridgeview Parking Lot – **ACTION**

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 complete. The Board of Soil and Water Resources approved the plan at its regular meeting held on December 18, 2025. MSCWMO must now adopt and implement the Plan within 120 days of the date of the Order, in accordance with MN Statute 103B.231, Subd. 10.

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

MSCWMO Member Communities

Afton • Bayport • Baytown • Lakeland • Lakeland Shores • Lake St. Croix Beach • Oak Park Heights
St. Mary's Point • Stillwater • West Lakeland

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 removed from the Perro Diversion and Perro Diversion Overflow sites. Six base grab and seven storm samples were collected at Perro Creek Diversion Structure. Lake monitoring has finished for the season with fourteen samples collected on Lily and McKusick Lakes, respectively. Lake elevation gages readings were taken on Lily Lake, McKusick Lake, and Brick Pond. A volunteer collected elevations on Brick Pond. Gages have been removed for the season. Equipment cleaning, maintenance and testing has begun, as well as data analysis and reporting.

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: None

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: 2025 Summary presented at meeting.

Staff: Brett Stolpestad, Cameron Blake, WCD

Meetings:

- BWSR Sub-committee– December 8th
- LSC Steering Team – December 17th
- BWSR Board Meeting – December 18th

MSCWMO Member Communities

Afton • Bayport • Baytown • Lakeland • Lakeland Shores • Lake St. Croix Beach • Oak Park Heights
St. Mary's Point • Stillwater • West Lakeland