

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, July 13th, 2023

6:00PM

1. Call to Order – 6:00PM
 - a. Approval of Agenda
2. Approval of Minutes
 - a. Draft minutes – June 8th, 2023 **pg. 1-8**
3. Treasurer’s Report
 - a. Report of savings account, assets for July 13th, 2023
 - b. Approve payment of bills for July 13th, 2023
4. Public Comment
5. Old Business
 - a. 2022 Financial Audit
6. New Business
 - a. 2024 Draft Budget **pg. 9**
 - b. 2nd Half Contribution Letters
 - c. Lakeland Beach Bid Award –**MEMO AT MEETING**
7. Grant and Cost Share Applications
 - a. Gallandat Native Planting **pg. 10**
8. Plan Reviews/Submittals
 - a. Plan Review and Submittal Summary **pg. 10-15**
 - i. Whitney Garage Addition -**ACTION**
 - ii. Cates Fine Homes Office–**INFORM**
 - iii. McGuigan Riprap –**INFORM**
 - b. Erosion and Sediment Control Inspection Reports **pg. 16-41**
9. Staff Report **pg. 42-44**
10. 1W1P Updates
11. Other
12. Adjourn

Middle St. Croix Watershed Management Organization Member Communities

Afton, Bayport, Baytown, Lakeland, Lakeland Shores, Lake St. Croix Beach, Oak Park Heights, St. Mary’s Point, Stillwater, & West Lakeland

Regular Meeting of the Middle St. Croix Watershed Management Organization
Washington Conservation District, 455 Hayward Ave N
Thursday, June 8th, 2023
6:00PM

Present: Brian Zeller, Lakeland Shores; Mike Runk, Oak Park Heights; John Buelow, West Lakeland Township; Tom McCarthy, Lake St. Croix Beach; Ryan Collins, Stillwater; Avis Peters, Baytown; John Dahl, Bayport; Dave Millard, Lakeland Alternate; Administrator Matt Downing; Amanda Herbrand, WCD; Erik Anderson, WCD; Audience: Dawn Bulera, Tim Schneider, Jack Klienhart, Elaine Klienhart

Call to Order

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

Approval of Agenda

Administrator Downing requested one addition under “New Business”: 2022 Audit Summary. Manager McCarthy motioned to approve the agenda with the addition, Manager Runk seconded the motion. The motion carried with all in favor.

Approval of Minutes

Manager Collins motioned to approve the draft April 13th, 2023 board meeting minutes, and Manager McCarthy seconded the motion. The motion carried on a roll call vote with all in favor.

Treasurer’s Report

Administrator Downing presented the treasurer’s report. The remaining checking account balance on June 8th was \$96,764.56. First Bank CD’s were valued at \$38,549.15. The ending value on the RBC savings account from January was \$90,201.93. Manager Zeller motioned to approve the report of the savings account and assets for June 8th, 2023. Manager McCarthy seconded the motion. The motion carried with all in favor.

Bills to approve this month are \$44.54 to Manager Runk for mileage reimbursement for attendance of 1W1P meetings, \$920.00 to Prairie Restorations for a prescribed burn at the Stillwater Country Club, and seven bills to the Washington Conservation District totaling \$16,100.64 for April and May Admin, April and May Technical Services, April and May Grants, and a Wokrshop. Manager Zeller motioned to approve payment of bills for June 8th, 2023. Manager Collins seconded the motion. The motion carried with all in favor.

Public Comment

None

Old Business

None

New Business

2022 Audit Summary

Administrator Downing presented the 2022 Audit Summary to the board. This item was received after the board packet was created and therefore was not included in the board packet sent out prior to the meeting.

Manager Zeller moved to acknowledge the receipt of the audit summary and to add it to the next meeting agenda for discussion. Manager McCarthy seconded the motion. The motion carried with all in favor.

Children's Water Fest Sponsorship

MSCWMO received a sponsor form for the 2023 Metro Children's Water Festival from Washington County. Sponsorship is optional.

Manager Zeller motioned to sponsor for the amount of \$500.00. Manager Collins seconded the motion. The motion carried with all in favor.

2022 WCD Water Monitoring Report

Erik Anderson from the WCD presented the MSCWMO 2022 Water Monitoring Summary. The WCD completes a summary of water monitoring activities conducted through the year and results from monitoring activity. A copy of the report is included in the board packet and will be posted on the MSCWMO website after approval.

Manager Zeller asked for some highlights regarding how water quality has improved over the years for Lily and Mckusick Lakes. Erik Anderson asked Administrator Downing if he'd like to answer. Administrator Downing highlights the importance of voluntary practices from land owners in the watershed, a iron enhanced sand filter at the school, and the recently Lily basin project. He also mentions the Lily Lake association, which has expanded into an organization called Friends of Lily Lake, and the important role they've played in advocating and educating the community on important practices like lake shore buffers.

Manager Runk motioned to approve the Middle St. Croix Watershed Management Organization 2022 Water Monitoring Summary from the WCD. Manager McCarthy seconded the motion. The motion carried with all in favor.

Grant and Cost Share Applications

D. Bulera Native Planting

Lake St. Croix Beach resident Dawn Bulera is applying for the Landscaping for Habitat Grant to establish a 500 square-foot pollinator garden at 16777 16th St S. This project is further supplemented by the Washington Conservation District's FY22 "Lawns to Legumes Demonstration Neighborhood" grant in the amount of \$750.00. The total project estimated cost is \$2,000.00 and the cost share requested is \$250.00.

This item was approved administratively prior to the meeting.

S. Bulera Native Planting

Lake St. Croix Beach resident Stacey Bulera is applying for the Landscaping for Habitat Grant to establish a 500 square-foot pollinator garden at 16787 16th St S with additional shrub and perennial plantings at 16775 17th St S. This project is further supplemented by the Washington Conservation District's FY22 "Lawns to Legumes Demonstration Neighborhood" grant in the amount of \$750.00. The total project estimated cost is \$1,886.00 and the cost share requested is \$250.00.

This item was approved administratively prior to the meeting.

Swanson Native Planting

Baytown Township resident Charley Swanson is applying for the Native Habitat Restoration Grant to establish native perennial gardens beds, prairie borders, and native tree + shrubs plantings (roughly totaling 5,000 square feet) at 4425 Odegard Ave N. This project does not drain to a prioritized water body. The total project estimated cost is \$4,250.00 and the cost share requested is \$500.00.

This item was approved administratively prior to the meeting.

Lakeland Pump House Native Planting

Michelle Elsner, City Clerk and representative of the City of Lakeland, is applying for the Native Habitat Restoration to establish a 750 (up to 1,000) square-foot pollinator garden at the city offices located at 1190 St Croix Trail S, Lakeland, MN 55043. This large-scale planting has high public visibility and education potential for Lakeland residents. The total estimated cost of the project is \$7,225.05 and the cost share requested is \$1,000.00.

This item was approved administratively prior to the meeting.

Peterson Native Planting

Lake St. Croix Beach residents Dawn and Kris Peterson are applying for the Landscaping for Habitat Grant to establish a 2,000 square-foot pollinator garden at 1405 Quinlan Ave S, Lake St. Croix Beach, MN 55043. This project is further supplemented by the Washington Conservation District's FY22 "Lawns to Legumes Demonstration Neighborhood" grant in the amount of \$1,500. The total estimated cost of the project is \$3,708.00 and the cost share requested is \$250.00.

Manager Zeller motioned to approve encumbrance of \$250.00 cost share for the installation of the Peterson Pollinator Pocket Planting. Manager Peters seconded the motion. The motion carried with all in favor.

Lakeland Beach Encumbrance

The Bluff Toe Stabilization Project utilizing remaining CWF grant dollars is moving forward. The Lakeland Beach property located at the end of Quixote Avenue N shows signs of significant erosion near the parking area and picnic benches along the bluff toe. Expanding the rip-rap revetment installed in 2011 and stabilizing the bluff toe near the seating area will reduce total phosphorus (TP) loading to Lake St. Croix by approximately 7.62 lbs/yr based on updated modeling using the BWSR Water Erosion Pollution Reduction Estimator.

Initial project ranking against other modeled practices in the LSC Direct South SWA estimated the cost per pound (TP) benefit to be approximately \$342 per pound each year over a 10 year period. This ranking was based on a preliminary estimate of \$28,663. The design has since been revised, and the updated project estimate of approximately \$51,000 yields a \$669 cost/lb return over 10 years, which still ranks highly against other practices within the LSC Direct South SWA.

Total project cost is estimated to be \$51,803.00.

Manager Peters motioned to approve encumbrance of remaining grant funds for the construction of engineered bluff toe protection and parking area stabilization based on the updated model and SWA ranking, and to approve release of the Lakeland Beach Stabilization construction set for bidding. Manager Millard seconded the motion. The motion carried with all in favor.

Forester Infiltration Basin

The Foresters are applying for the Water Quality Improvement grant to install a 320 SF curb-cut raingarden to treat runoff from Driving Park Road before it is directed to Lily Lake. An additional 200 SF of native planting areas are proposed that would provide habitat for wildlife and reduce lawn and fertilizer inputs. The total estimated cost for the project is \$11,500.00 and the cost share requested is \$1,500.00

Manager McCarthy motioned to approve encumbrance of \$1,500.00 cost share for the installation of the Forester's Curb-cut Rain Garden. Manager Collins seconded the motion. The motion carried with all in favor.

Plan Reviews/Submittals

Oak Park Parking Lot – ACTION

An application for project review was received on January 27th, 2023 for proposed parking lot improvements for the Oak Park Building at 6355 Osman Ave N in Stillwater. The proposed project creates approximately 75,000 sf of new/reconstructed impervious surfaces. Revised materials to correct the MIDS calculations and address an overestimation of TP removal credit from pretreatment structures were received on April 19th. MSCWMO staff recommend approval with two conditions:

1. Drainage easements covering land adjacent to ponding areas up to their 100-year flood levels and covering all ditches and storm sewers and access easements to these drainage easements are provided.
2. A proposed maintenance agreement, which may be in the format of Appendix K, or other form approved by the city is provided.

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

Stillwater 2023 Parking Lot and Trails – ACTION

An application for project review was received on March 9th, 2023 which qualifies for MSCWMO project review since it fully reconstructs more than 6,000 sf of impervious. The applicant was requested to revise and resubmit the project to provide rate control and volume

control in the same subwatershed as the net new impervious trail surface. Project review materials were resubmitted on April 14th. MSCWMO staff recommend approval with two conditions:

1. A Stormwater Pollution Prevention Plan is provided in compliance with the requirements of the NPDES SDS Construction Stormwater Permit.
2. Identify as build survey and method to demonstrate infiltration or filtration basin is functioning.

Manager Collins motioned to approve the project with the two conditions. Manager Peters seconded the motion. The motion carried with all in favor.

Mielke Pool – INFORM

An application for project review was received on April 18th, 2023 for the construction of a pool at 936 3rd Ave S in Stillwater. The applicant did not submit the project review fee with their application and when an inquiry was sent the applicant stated that they were withdrawing their application and that a permit had already been issued by the City of Stillwater. The project does trigger a MSCWMO project review because is with 40-feet of the bluffline. While the project will likely not be able to meet the MSCWMO 40-foot bluffline setback standard, after the fact comments were provided and it was requested that improvements including the pool deck stay outside of a 30-foot setback from the bluffline.

Manager Zeller highlights the importance of ensuring projects are being submitted to MSCWMO prior to approval by each community and encourages members to reach out to Administrator Downing if they see any construction in the watershed, especially near the bluffline, to ensure the projects have been reviewed.

Klienhart Residence – ACTION

An application for project review was received on April 19th, 2023 for the reconstruction of the Kleinart residence at 1935 Quant Ave N in West Lakeland Township. The project qualifies for MSCWMO project review for reconstructed more than 500 square feet of impervious in the St. Croix riverway and grading within 40-feet of blufflines. Upon review of the project MSCWMO staff noticed what appeared to be about 1800 feet of recently reconstructed path viewable on the 2022 aerial imagery. This improvement was not indicated on the 2021 survey drawing submitted for review and MSCWMO staff inquired about the background of the path. The applicants indicated they discovered the path which was previously inaccessible and overgrown when clearing up overgrown and storm damaged trees. Further inquiry indicated that while some parts of the existing path were buried rocks and gravel, crushed rock was added to reconstruct the path. This work was completed without the review of the MSCWMO although it likely would have triggered a project review for the reconstruction of more than 500 square feet of impervious surface within the St. Croix Riverway and grading within the 40-foot bluffline setback. The remainder of the project (the proposed home reconstruction as submitted without the trail) is close to meeting MSCWMO standards with minor revisions and considering only the home reconstruction, MSCWMO staff would recommend approval with four conditions:

1. Indicate OHW elevation on plans (680 ft (MSL 1912))
2. Plans indicate the use of approximately 100 square feet of natural net straw erosion control blanket for temporary erosion control. This quantity seems small relative to the

disturbed area which also should include areas disturbed for construction of the septic system. Indicate on the plans the location of the proposed erosion control blanket and confirm the estimated quantity. Also indicate areas which are intended to be stabilized with mulch as shown on the rain garden detail and the 7-day timeframe requirement to achieve temporary stabilization.

3. Silt fence must be placed down-gradient of all disturbed soils including the rain garden and septic system areas. Plans as submitted only show silt fence placed down-gradient on river side of home.
4. The rain garden is located too close to the bluffline. MSCWMO prohibits construction within 40 feet of the top of blufflines, however a variance from Washington County which the MSCWMO provided review and comment on was approved for septic bluffline setbacks. The raingarden as located in the proposed site plan provided minimal setback from the overflow location to the bluffline which could lead to erosion from concentrated flow. The raingarden should be moved north and reconfigured slightly to provide an equidistant setback from all blufflines while maintaining a 35' setback from the septic system/well and 10' setback from the building foundation. The raingarden should also be resized slightly to meet the required volume control standard utilizing the correct depth (1.3' to overflow elevation) and maximum 3:1 (H:V) side slopes.

Home owners Jack and Elaine Kleinart are in attendance at the meeting. Administrator Downing displays the construction plans and Elaine Kleinart walks the board through the plan. Administrator Downing states that the Kleinarts have already met the four conditions listed in the approval recommendation.

Manager Zeller motions to approve the project with the four conditions. Manager Runk seconds the motion. The motion carries with all in favor.

Administrator Downing would like to further discuss with the board how to address these situations in the future, and if the path would be considered a reconstruction or not. Manager Zeller states that without a site visit prior to construction, there's no way to know if the path was altered enough to be considered a reconstruction, but notes that MSCWMO has some important tools and tips for home owners on the bluffline who want to create or alter paths down to the river and that educating homeowners that those tools and tips are available is important.

Ruprecht Riprap – ACTION

An application for project review was received on May 16th, 2023 for proposed riprap bank stabilization at 737 Quentin Ave South in Lakeland. The project qualifies for MSCWMO project review since it involves grading within buffers. The MSCWMO staff recommend approval with seven conditions:

1. Plans include locations and elevation of ordinary high water level (680 feet MSL 1912), base flood elevation (692.00 feet NAVD 88), and blufflines.
2. Erosion preventions stabilization time frame (7 days), method (i.e. erosion control blanket and seed), location and quantity are provided on the plans for areas of disturbed soils not stabilized with riprap such as areas disturbed for construction access.

3. Location and quantity of sediment control measures (i.e. double row of silt fence) is provided on the plans along with a note requiring practices to be placed prior to up-gradient land disturbance.
4. Plan notes for erosion and sediment control inspections and maintenance requirements are provided, including the name and contact information for individual responsible.
5. Plan notes are provided for pollution prevention and final stabilization requirements.
6. A riprap section detail is provided indicating the size, type, thickness, slope and extent of riprap material required along with filter fabric or material.
7. Project involves filling below the FEMA base flood elevation (692.00 feet NAVD88) and must comply with City of Lakeland Floodplain Ordinance requirements.

Administrator Downing states that there are concerns with the project and that is why there are seven conditions listed, but that MSCWMO doesn't have the funds for additional staff time for additional reviews for the project. Administrator Downing states the City should continue to follow up and take on the responsibility of ensuring the project meets all requirements. Manager Zeller notes some concerns about City staff seeing "recommend approval" from MSCWMO and that submitting it to the City in that format could be interpreted as not concerning. Manager Zeller asks if there has been communication with the City engineer regarding concerns about the project, Administrator Downing confirms he has been in contact and communicating openly.

Manager Runk motioned to approve the project with the seven conditions. Manager Peters seconded the motion. The motion carried with Manager Zeller and Dahl opposed.

Riley Riprap – ACTION

An application for project review was received on May 16th, 2023 for proposed riprap bank stabilization at 921 Quentin Ave South in Lakeland. The project qualifies for MSCWMO project review since it involves movement of 100 cubic yards of material grading within buffers. The MSCWMO staff recommend approval with two conditions:

1. Project involves filling below the FEMA base flood elevation (692.00 feet NAVD88) and must comply with City of Lakeland Floodplain Ordinance requirements.
2. Apply temporary erosion control blanket or mulch on areas of disturbed soils that are seeded for temporary erosion control.

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

Erosion and Sediment Control Inspection Reports

Administrator Downing presented the Erosion and Sediment Control Inspection Reports from April and May. Results were mixed with some sites receiving a grade of "C" and others receiving a grade of "A." "A" grades mean that the site is fully complaint and no maintenance is required, while a grade of "C" means the site is not complaint and maintenance or supplemental practices are required.

When discussing the project at 1699 Rivercrest Rd N, Tim Schneider, alternate for Lake St. Croix Beach, indicated knowing the landowner for the project and inquired about the stop work order on his behalf, wondering who had the authority to issue a stop work order as it wasn't clear

who had given it. Administrator Downing states MSCWMO did not issue the order, the City did, and questions regarding the stop work order would have to be directed to City staff. Administrator Downing further states that MSCWMO is ultimately not the permitting entity and the concerns of MSCWMO are to ensure bluff stabilization throughout construction through erosion and sediment control measures. The erosion and sediment control measures recommended by WCD staff have been implemented on site, the site was in full compliance at the time of the last inspection.

Staff Report

Administrator Downing went over the staff report. Administrative items included preparation for the June meeting, coordination of Grant and Permit Program, attendance of meetings, 2022 Audit items, coordination with MSCWMO communities, and project reviews. Programs and work conducted by WCD staff continue as normal. Administrator Downing mentions that he is still working with Jay Riggs from the WCD to ensure street sweeping funds for MSCWMO.

1W1P Updates

Administrator Downing shares with the board that 1W1P has requested participating entities provide additional reporting about their activities that benefit 1W1P, to which Administrator Downing declined due to other reporting requirements and a lack of funds for the staff time for additional reporting. Manager Zeller asks if Administrator Downing can provide 1W1P with copies of the other reports Administrator Downing already completes for BWSR and other entities, Administrator Downing states he has already done so. Manager Zeller states that that should be sufficient and it seems reasonable to refuse further reporting requests.

Manager Zeller inquires if MSCWMO can withdraw from 1W1P, Administrator Downing states yes but advises not to at this time. Manager Runk states that he thinks that there is a potential for some value moving forward, Administrator Downing agrees that there is value in having a board member continue to attend but that he does not have the time to attend all of the monthly meetings himself. He continues to monitor meeting minutes for meetings he is not able to attend.

Other

None

Adjourn

Manager Zeller motioned to adjourn the meeting, Manager Runk seconded the motion. The meeting adjourned at 7:43.

MSCWMO 2024 Draft Budget

	2023 MSCWMO Budget	2024 MSCWMO Budget	% CHANGE
ADMINISTRATION			
Administration - General	\$ 31,160.00	\$ 32,095.00	3.00%
Accounting	\$ 1,550.00	\$ 1,600.00	3.23%
Legal Fees - General	\$ 1,000.00	\$ 900.00	-10.00%
Audit	\$ 2,100.00	\$ 2,800.00	33.33%
Insurance & Bonds	\$ 2,600.00	\$ 2,600.00	0.00%
Office supplies/equipment/postage	\$ 625.00	\$ 625.00	0.00%
Minutes/Clerical	\$ 1,180.00	\$ 1,215.00	2.97%
Copying/printing/reproduction/minutes	\$ 625.00	\$ 625.00	0.00%
Admin Total	\$ 40,840.00	\$ 42,460.00	3.97%
PROJECT FUNDS			
Project Contingency	\$ 2,000.00	\$ 2,000.00	0.00%
Engineering - Project	\$ 5,700.00	\$ 5,500.00	-3.51%
Development Plan Reviews	\$ 5,040.00	\$ 5,200.00	3.17%
Erosion Monitoring Program	\$ 2,250.00	\$ 2,315.00	2.89%
BMP Cost-Share (general)	\$ 20,000.00	\$ 20,000.00	0.00%
BMP TA & Admin	\$ 27,768.00	\$ 28,600.00	3.00%
Community TA	\$ 3,000.00	\$ 3,000.00	0.00%
Water Resource Educator	\$ 6,300.00	\$ 6,700.00	6.35%
Website	\$ 800.00	\$ 900.00	12.50%
Inspections and Tracking Database	\$ 900.00	\$ 900.00	0.00%
Project Total	\$ 73,758.00	\$ 75,115.00	1.840%
WATER MONITORING			
Water Monitoring	\$ 22,000.00	\$ 23,000.00	4.55%
Water Monitoring Total	\$ 22,000.00	\$ 23,000.00	4.545%
LONG TERM PROJECT SAVINGS			
Water Monitoring - Set aside for equipment replacement & Monitoring Costs	\$ 750.00	\$ 750.00	0.00%
WMP Update	\$ 5,000.00	\$ 5,000.00	0.00%
Savings Total	\$ 5,750.00	\$ 5,750.00	0.00%
MSCWMO Member Contribution Budget	\$ 142,348.00	\$ 146,325.00	2.79%



TO: Matt Downing, Administrator
FROM: Rebecca Nestingen, PE
DATE: July 7, 2023
RE: **8a) 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):

- **Whitney Garage Addition.** An application for project review was received on June 21st, 2023 for a proposed garage addition and partial driveway replacement at 2767 Itasca Ave S. The proposed project creates 2914 sf of new/reconstructed impervious surfaces. Stormwater management is achieved with volume control provided by two shallow bioretention basins. *MSCWMO staff recommend approval with four conditions.*
- **Cates Fine Homes Office.** A partial application for construction of an office building was received on June 23rd. The applicant has been provided with information for required submittal items and informed of deadlines for review.
- **McGuigan Riprap.** A partial application for shoreline stabilization on the St. Croix River was received on June 27th. The applicant has been provided with information for required submittal items and informed of deadlines for review.



July 3, 2023

Cindie Reiter
City of St. Mary's Point
16491 St. Mary's Drive
St. Mary's Point, MN 55043

Dear Ms. Reiter,

The Middle St. Croix Watershed Management Organization (MSCWMO) received submittal items on June 21st, 2023 for a proposed garage addition and partial driveway replacement at 2767 Itasca Ave S within MSCWMO boundaries and in the City of St. Mary's Point. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP) since it is within the St. Croix Riverway and creates or fully reconstructs more than 500 sf of impervious surface. The MSCWMO staff recommends Approval with the following four conditions:

1. Low floor elevation of garage is 693', only one foot above the flood protection level. Ensure any openings into livable space are at 694'. Ensure that proper floodproofing (venting etc.) of garage structure is completed.
2. Plans are updated to include contact information for party responsible for inspection and compliance of erosion and sediment control actions.
3. Correct the discrepancy of bottom contour of BMP #1 and volume calculations.
4. BMP #2 is repositioned or resized to comply with 10 ft property line setback.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Matt Downing'.

Matt Downing | Administrator
Middle St. Croix Watershed Management Organization



SLR PROJECT REVIEW CHECKLIST

MSCWMO Review ID: 23-013

Review Date: 7/5/2022

Project Name: Whitney Garage Addition

Location: 2767 Itasca Ave S, Saint Mary's Point

Applicant: Frank Brodeen

Purpose: Garage Addition

Recommendation: Approval with the following 4 conditions:

1. Low floor elevation of garage is 693', only one foot above the flood protection level. Ensure any openings into livable space are at 694'. Ensure that proper floodproofing (venting etc.) of garage structure is completed.
2. Plans are updated to include contact information for party responsible for inspection and compliance of erosion and sediment control actions.
3. Correct the discrepancy of bottom contour of BMP #1 and volume calculations.
4. BMP #2 is repositioned or resized to comply with 10 ft property line setback.

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.
- Lowest floor elevations of structures built adjacent to stormwater management features and other water bodies must be a minimum of two feet above the regulator flood protection 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. Plans should be updated and provided to WMO/City when contractor has been selected.
 - 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.
 - B. 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.

- C. The maximum water depth for volume control facilities is 1.5 feet. Plans show bottom contour of BMP#1 is 689.85' however calculations show bottom at 689.75'. Fix discrepancy between plans and calculations.
- D. Planting plan identified vegetation suitable for the hydrology of the basin.
- E. Separation from seasonally saturated soils or bedrock is 3 feet or more for bioretention and infiltration practices.

F. 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

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.)						
$2,914 \text{ sq. ft.} \times \frac{1.1 \text{ in}}{12 \text{ in/ft}} = 267 \text{ cu. ft.}$	<table border="0"> <tr> <td>BMP</td> <td>Volume</td> </tr> <tr> <td>BMP #1</td> <td>218 cu. ft.</td> </tr> <tr> <td>BMP #2</td> <td>184 cu. ft.</td> </tr> </table>	BMP	Volume	BMP #1	218 cu. ft.	BMP #2	184 cu. ft.
BMP	Volume						
BMP #1	218 cu. ft.						
BMP #2	184 cu. ft.						
Total Required Volume Retention = 267 cu. ft.	Total Provided Volume Retention = 402 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/Bioretenention_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.

MIDDLE ST. CROIX WATERSHED MANAGEMENT

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:** 06/08/2023

Project Name: Baylon Residence **Project Address:** 165 Lakeland Shores Rd

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:

<input checked="" type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input type="checkbox"/> B	The site is in compliance , but normal maintenance activities are required.
<input type="checkbox"/> C	The site is not in compliance . Maintenance or supplemental practices are required.
<input type="checkbox"/> 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.
<input type="checkbox"/> 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:

All erosion control measures installed per plan. Current footprint is per plan. Also checked boathouse, matches plan. No concerns at this time.

Were any discharges observed during this inspection? No Yes

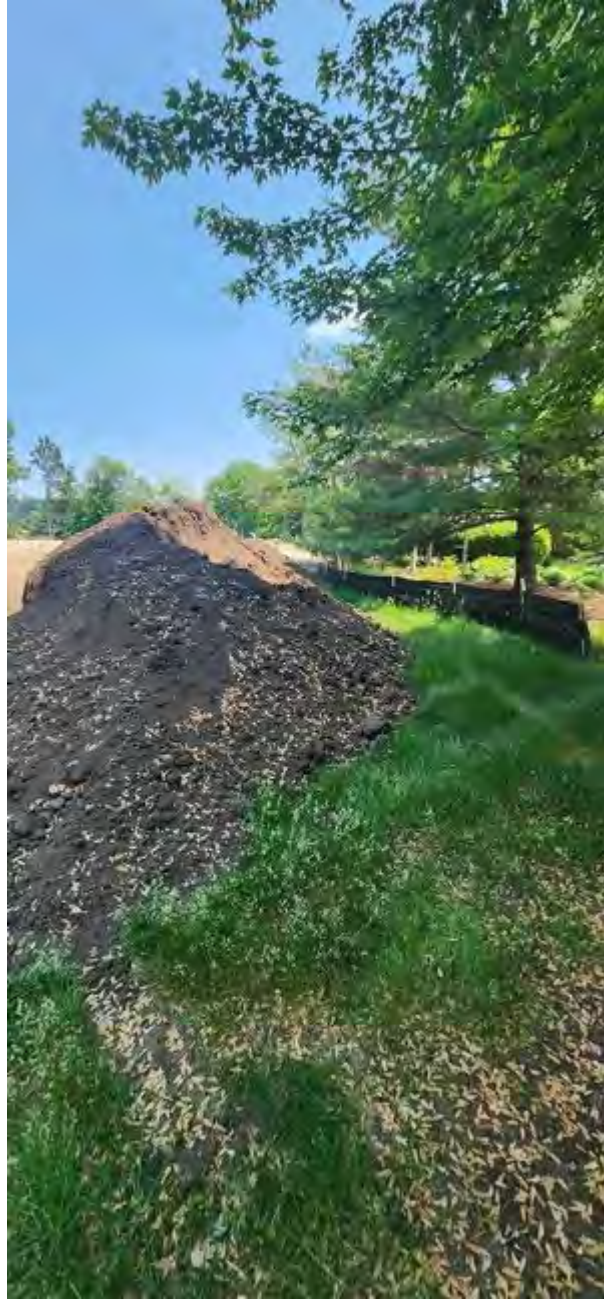
Erosion & Sediment Control Compliance Summary & Corrective Action Notice

	Compliant	Non-compliant	Under Review	Not Inspected
Erosion Prevention Requirements:				
Soils are stabilized where no construction activity has occurred for 14 days (including stockpiles)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ditches/swales are stabilized 200' back from point of discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe outlets have energy dissipation (within 24 hours of connection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction phasing in accordance with the approved plan is being followed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Areas not to be disturbed are marked off (flags, signs, ect.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erodible stockpiles have perimeter control in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basin is built as shown on approved construction plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soil compaction is minimized where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perimeter controls are maintained and functioning properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inlet protection devices are maintained and adequately protecting inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basins are being maintained and properly functioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tracked sediment is being removed within 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters, ditches, conveyances, and discharge points have been inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Requirements:				
Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If required, buffer monumentation has been installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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



Erosion & Sediment Control Compliance Summary & Corrective Action Notice



MIDDLE ST. CROIX WATERSHED MANAGEMENT

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:** 06/08/2023

Project Name: Jerry Colburn 6 car garage **Project Address:** 145 Lakeland Shores Rd

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:

<input checked="" type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input type="checkbox"/> B	The site is in compliance , but normal maintenance activities are required.
<input type="checkbox"/> C	The site is not in compliance . Maintenance or supplemental practices are required.
<input type="checkbox"/> 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.
<input type="checkbox"/> 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:

Infiltration area meets sizing requirements and garage gutters are directed to basin. All exposed soils vegetated. Project is complete and construction inspections will cease at this time.

Were any discharges observed during this inspection? 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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Ditches/swales are stabilized 200' back from point of discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe outlets have energy dissipation (within 24 hours of connection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction phasing in accordance with the approved plan is being followed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Areas not to be disturbed are marked off (flags, signs, ect.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erodible stockpiles have perimeter control in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basin is built as shown on approved construction plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soil compaction is minimized where applicable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perimeter controls are maintained and functioning properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inlet protection devices are maintained and adequately protecting inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basins are being maintained and properly functioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tracked sediment is being removed within 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters, ditches, conveyances, and discharge points have been inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Requirements:				
Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If required, buffer monumentation has been installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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



Remaining open soils around basin rim seeded



Erosion & Sediment Control Compliance Summary & Corrective Action Notice



MIDDLE ST. CROIX WATERSHED MANAGEMENT

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:** 06/08/2023

Project Name: Morris Residence **Project Address:** 2711 Itasca Ave S

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:

<input checked="" type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input type="checkbox"/> B	The site is in compliance , but normal maintenance activities are required.
<input type="checkbox"/> C	The site is not in compliance . Maintenance or supplemental practices are required.
<input type="checkbox"/> 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.
<input type="checkbox"/> 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. Repair and/or replace damaged perimeter control

General Comments or Potential Areas of Future Concern:

Minor section of silt fence to repair. Perimeter control added atop slope after last inspection during flooding. All ESC measures performed very well over flood period. Geotextile cover will remain in place as temporary soil stabilization. Underground stormwater treatment materials being staged- please notify when ready to install, would like to have inspector present during install if possible for documentation. Please capture photos of the system during install. Thank you for the continued attention to erosion control.

Were any discharges observed during this inspection? 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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ditches/swales are stabilized 200' back from point of discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe outlets have energy dissipation (within 24 hours of connection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction phasing in accordance with the approved plan is being followed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Areas not to be disturbed are marked off (flags, signs, ect.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erodible stockpiles have perimeter control in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basin is built as shown on approved construction plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soil compaction is minimized where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perimeter controls are maintained and functioning properly	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inlet protection devices are maintained and adequately protecting inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basins are being maintained and properly functioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tracked sediment is being removed within 24 hours	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Surface waters, ditches, conveyances, and discharge points have been inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Requirements:				
Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If required, buffer monumentation has been installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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



Repair redundant silt fence here



**Underground treatment system
install to begin next week.**



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

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:** 06/23/2023

Project Name: LSCB Bluff Stabilization **Project Address:** 13th St S

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:

<input checked="" type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input type="checkbox"/> B	The site is in compliance , but normal maintenance activities are required.
<input type="checkbox"/> C	The site is not in compliance . Maintenance or supplemental practices are required.
<input type="checkbox"/> 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.
<input type="checkbox"/> 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:

Double row of silt fence well installed, and track pads in place to prevent rutting of beach. Site is in great condition.

Were any discharges observed during this inspection? 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)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Ditches/swales are stabilized 200' back from point of discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe outlets have energy dissipation (within 24 hours of connection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction phasing in accordance with the approved plan is being followed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Areas not to be disturbed are marked off (flags, signs, ect.)	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Erodible stockpiles have perimeter control in place	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Temporary sediment basin is built as shown on approved construction plans	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Soil compaction is minimized where applicable	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Perimeter controls are maintained and functioning properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Inlet protection devices are maintained and adequately protecting inlets	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Temporary sediment basins are being maintained and properly functioning	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Tracked sediment is being removed within 24 hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Surface waters, ditches, conveyances, and discharge points have been inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Other Requirements:				
Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>
If required, buffer monumentation has been installed	<input type="checkbox"/>	<input type="checkbox"/>		<input checked="" type="checkbox"/>

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

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



MIDDLE ST. CROIX WATERSHED MANAGEMENT

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:** 06/30/2023

Project Name: LSCB Bluff Stabilization **Project Address:** 13th St S

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:

<input checked="" type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input type="checkbox"/> B	The site is in compliance , but normal maintenance activities are required.
<input type="checkbox"/> C	The site is not in compliance . Maintenance or supplemental practices are required.
<input type="checkbox"/> 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.
<input type="checkbox"/> 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:

Rip rap stabilization complete, exposed soils minimized, perimeter controls removed and beach restored to pre project condition.

Were any discharges observed during this inspection? 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)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disturbance of steep slopes has been minimized or stabilization practices designed for steep slopes are used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ditches/swales are stabilized 200' back from point of discharge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pipe outlets have energy dissipation (within 24 hours of connection)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Construction phasing in accordance with the approved plan is being followed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Areas not to be disturbed are marked off (flags, signs, ect.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Appropriate BMPs are installed protecting inlets, catch basins, and culvert inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Erodible stockpiles have perimeter control in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basin is built as shown on approved construction plans	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Soil compaction is minimized where applicable	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Perimeter controls are maintained and functioning properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inlet protection devices are maintained and adequately protecting inlets	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Temporary sediment basins are being maintained and properly functioning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vehicle tracking BMPs are in place at site exits and are maintained/functioning properly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tracked sediment is being removed within 24 hours	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Surface waters, ditches, conveyances, and discharge points have been inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other Requirements:				
Pollution prevention management measures for solid waste, hazardous materials, concrete and truck washing are in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If dewatering is occurring, BMPs are being used to ensure clean water is leaving the site and discharge is not causing erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If being utilized, infiltration/filtration systems are marked and protected from compaction and sediment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If required, buffer monumentation has been installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Erosion & Sediment Control Compliance Summary & Corrective Action Notice

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



MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55082
Phone 651.796.2227 fax 651.330.7747 www.mscwmo.org



Staff Report- June 2023

Administration

- Prepared July meeting materials
- Coordination of Grant and Permit Program
- Participated in Lower St. Croix Partnership meetings

Project Reviews

- Whitney Garage Addition -ACTION
- Cates Fine Homes Office -INFORM
- McGuigan Riprap –INFORM
- Ecohaven Residential Development–INFORM
- Manitou Fund & Arts Center –INFORM

Lily Lake Phosphorus Reductions for Delisting – CWF Grant C20-6055

Description: Awarded \$513,500 for in-lake alum treatment and filtration basin to remove 120lbs of phosphorus from Lily Lake.

Activities This Month: Final grant closeout completed, awaiting reconciliation from BWSR.

Staff: Matt Downing-MSCWMO

Lake St. Croix Small Communities Phosphorus Reduction Grant – PHASE II

Description: \$158,000 grant for stormwater quality improvement south of Bayport (2021-2023). Implement practices in the LSCD South SWA area to achieve a load reduction of up to 7lbs of TP/yr.

Activities This Month: Max Todo Marine Services has completed construction of additional bluff toe stabilization (100 lf) north of the 2021 project area. WCD staff completed construction documents for the Lakeland Beach restoration/stabilization site and posted an ad for bid electronically on June 27th, 2023. Bids are expected to be received electronically on Wednesday, July 12th by 4pm. This project will utilize the remaining funds under LSC Direct Phase II.

Staff: Brett Stolpestad - WCD; Matt Downing - MSCWMO

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

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55082
Phone 651.796.2227 fax 651.330.7747 www.mscwmo.org



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: One base flow sample has been collected at Greeley Street and at the Perro Creek Diversion Structure. Lake monitoring is underway with six samples being collected on Lily and McKusick.

Staff: Rebecca Oldenburg, 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 were conducted at the 2711 Itasca Ave- Morris, 165 Lakeland Shores- Baylon, 145 Lakeland Shores- Colburn, and Lake St. Croix Beach Bluff Stabilization projects. Flood proofing measures taken at the 2711 Itasca project were highly effective at preventing soil loss to the river. Photo updates were also received from the project documenting installation of the underground stormwater treatment system. All erosion control measures described in the 165 Lakeland Shores project plan set were installed and compliant. The 145 Lakeland Shores project is complete with an appropriately sized infiltration area, and inspections will cease. All erosion control measures at the bluff stabilization project were well installed during construction, and removed after the rip rap installation was completed.

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: Vegetative maintenance for the Stillwater Country Club, Perro Creek planting, and Ozark BMP. Supplemental watering for the trees and shrubs at the Lily Lake basin.

Staff: Cameron Blake, WCD

Small Scale Habitat & Water Quality Enhancement Projects

Description: The WCD has been granted Conservation Corps crew time on behalf of the WMO under FY23 Clean Water Funding to continue small-scale habitat and water quality enhancement projects in throughout the District. Projects will include 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 Pilot (HELP) Grant, and

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55082
Phone 651.796.2227 fax 651.330.7747 www.mscwmo.org



continued support for private shoreline enhancement. Remaining FY22 Lawns to Legumes Demonstration Neighborhood Funds will be allocated to private residential pollinator projects for LSCB residents.

Activities This Month: Earlier this month, CCM crews provided site preparation and installation support for residential shoreline buffer enhancement projects on Lake McKusick. Site preparation for the LSCB buffer enhancement expansion is underway with installation planned for fall of 2023 and spring of 2024. Plant and seed material for the LSCB buffer will be funded through the WCD FY23 Habitat Enhancement Landscape Pilot (HELP) Grant.

Staff: Brett Stolpestad – WCD

Meetings

- Nickerson Shoreline – June 9th
- Lily Lake Tributary – June 9th
- WCD/MSCWMO Workplan Coordination – June 23rd
- LSC Steering Team – June 28th
- Enhanced Street Sweeping – July 6th
- MSCWMO WMP Update – July 6th

Middle St. Croix Watershed Management Organization Member Communities

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