

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55082
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



Regular Meeting of the Middle St. Croix Watershed Management Organization *West Lakeland Town Hall, 959 Paris Ave Circle N* Thursday, July 14th, 2022 6:00PM

1. Call to Order – 6:00PM
 - a. Approval of Agenda
2. Approval of Minutes
 - a. Draft minutes – May 12th, 2022 **pg. 1-8**
3. Treasurer’s Report
 - a. Report of savings account, assets for July 14th, 2022
 - b. Approve payment of bills for July 14th, 2022
4. Public Comment
5. Old Business
6. New Business
 - a. Lily Basin Pay Request 2 **pg. 9-12 -INFORM**
 - b. 2022 Insurance Renewal **pg. 13-18 -INFORM**
 - c. Riviera Project Award **pg. 19-20 –INFORM**
 - d. 2023 Draft Budget **pg. 21**
 - e. 2021 Audit **pg. 22-43 –INFORM**
 - f. 2022 Second Half Contribution Requests
 - g. Lake St. Croix South Direct Phase II Encumbrance **pg. 44-45**
 - h. 3M PFAS Reimbursement Request **pg. 46-47**
7. Grant and Cost Share Applications
 - a. Townsend Native Planting **pg. 48-49 -INFORM**
 - b. Berres Native Planting **pg. 50-51 -INFORM**
 - c. Kelly Native Planting **pg. 52 –INFORM**
 - d. Siegler Shoreline **pg. 53**
 - e. Hieptas Shoreline **pg. 54-55**
8. Plan Reviews/Submittals
 - a. Plan Review and Submittal Summary **pg. 56-69**
 - i. 2022 Stillwater Streets-**ACTION**
 - ii. Hassis Paintworks-**INFORM**
 - iii. Colburn Garage-**ACTION**
 - iv. Lahr Residence-**ACTION**
 - b. Erosion and Sediment Control Inspection Reports –**pg. 70-107**

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9. Staff Report **pg. 108-111**
10. 1W1P Updates
11. Other
12. Adjourn

Regular Meeting of the Middle St. Croix Watershed Management Organization
Bayport Public Library
Thursday, May 12th, 2022
6:00PM

Present: Brian Zeller, Lakeland Shores; Ryan Collins, Stillwater; Beth Olfelt-Nelson, St. Mary's Point; Mike Runk, Oak Park Heights; Tom McCarthy, Lake St. Croix Beach; Dawn Bullera, Lake St. Croix Beach Alternate; Administrator Matt Downing; Amanda Herbrand, WCD

Call to Order

Manager Zeller called the meeting to order at 6:43PM.

Approval of Agenda

Manager McCarthy motioned to approve the agenda. Manager Collins seconded the motion.

Approval of Minutes

Manager Collins motioned to approve the draft March 10th, 2022 board meeting minutes and Manager McCarthy seconded this motion. The motion carried on a roll call vote with all in favor.

Treasurer's Report

The treasurer's report was presented. The remaining checking account balance on May 12th for the month of March 2022 was \$250,291.70. The remaining balance for the month of April 2022 was \$232,216.73. First Bank CDs were valued at \$38,549.15. The ending balance in the RBC savings account for March was \$82,723.53. Manager Zeller motioned to approve the report of the savings account and assets, Manager Collins seconded the motion.

Bills to be approved this month are: Helmer Printing: \$454.69; Kennedy & Graven: \$91.50; Minnesota Native Landscapes: \$241.60; Washington Conservation District (EMWREP): \$1,671.40; Washington Conservation District (Water Monitoring): \$5,032.80; Washington Conservation District (Administration-March): \$4,165.40; Washington Conservation District (Grant Hours-March): \$3,113.34; Washington Conservation District (Technical Services-March): \$4,437.00; Washington Conservation District (Administration-April): \$2,422.00; Washington Conservation District (Technical Services-April): \$5,400.00; Washington Conservation District (Grant Hours-April): \$4,508.90; Total: \$31,538.63.

Manager Runk motioned to pay the bills, Manager McCarthy seconded the motion.

Public Comment

There was no public comment.

Manager Zeller mentioned the possibility of doing another direct mail due to a number of new residents in the area. Manager Olfelt-Nelson expressed interest in the next mailing having more substance and specifics as the previous mailing was very general. Administrator Downing confirmed that the previous mailing did generate some response from residents and agreed that the next mailing could be larger, such as a pamphlet or brochure, but cautioned that it would be more expensive. Manager Zeller volunteered to distribute the materials for his community as it

would be a small number of homes receiving the mailing. Administrator Downing will follow up with the St. Croix River Association to see if they are willing to give MSCWMO a pamphlet they had previously distributed.

Old Business

There was no old business.

New Business

Children's Water Festival Sponsorship Request

MSCWMO received a request from Washington County, who is now responsible for coordinating the Children's Water Festival, asking if the WMO would like to sponsor the event. The Board agreed on an amount of \$250 to sponsor. Manager McCarthy motioned, Manager Zeller seconded the motion.

2021 Water Monitoring Report Draft

A draft of the 2021 Water Monitoring Report provided by the Washington Conservation District has been submitted to the board for approval. Manager Runk motioned to approve the draft, Manager Collins seconded the motion.

MCC Buffer Enhancement Agreement

Administrator Downing is requesting authorization from the board to sign an agreement with the Conservation Corps. The Conservation Corps will be working on a number of projects throughout the summer. Manager Zeller motioned to approve the request, Manager Runk seconded the motion.

Riviera Treatment Train Bid Set

The MSCWMO, City of Lake St. Croix Beach, and residents along Riviera Avenue South are entering into an agreement to construct a series of planted and turfed bio infiltration basins and swales along the west side of Riviera, opposite the bluff and river. This project will include a total of seven bio infiltration practices on six parcels, three of which will be constructed entirely within the city right of way. Together, the practices will treat 7.8 acres of residential drainage that is currently discharging directly to Lake St. Croix. The series of proposed basins and swales will reduce total phosphorus (TP) loading to Lake St. Croix by at least 7.3 pounds per year based on 2022 WinSLAMM modeling.

Manager Runk motioned to approve the agreements with City of Lake St. Croix Beach and individual landowners. Manager Olfelt-Nelson seconded the motion. The motioned passed with all in favor.

Manager Zeller motioned to authorize Administrator Downing to sign the agreements. Manager McCarthy seconded the motion. The motion passed with all in favor.

Manager Zeller motioned to approve RFQ and construction bidding procedures. Manager Collins seconded the motion. The motion passed with all in favor.

Administrator Downing mentioned that the project will be out for bid within the week and that the bids would be brought to the next meeting, and construction would likely begin later in the summer.

Lily Lake Alum Treatment Amendment

MSCWMO received a request from EOR for an additional \$11,964.00 to cover increased costs, particularly related to trucking. The original contract for the Lily Lake Alum Treatment was \$134,784.00 and was quoted back in July of 2020. The additional costs bring the total for the project up to \$146,748.00.

Manager Zeller motioned to approve the revised project cost. Manager Collins seconded the motion and the motion passed with all in favor.

An additional motion was made by Manager Zeller to pre-authorize the payment at the request of Administrator Downing to ensure payment could be made to the consultant prior to the next meeting. Manager McCarthy seconded the motion and the motion passed with all in favor.

St. Croix Valley Regional Trail TAC

Washington County is launching a master planning process for the future Middle St Croix Valley Regional Trail. This will be a north-south multiuse trail that will run through eastern Washington County from Downtown Afton to the St. Croix Boom Site in Stillwater. Once fully developed, it will feature vital connections to other state, regional, county and city trails, as well as parks, schools, and businesses in the St. Croix River Valley.

The County is putting together a technical advisory committee (TAC) of key stakeholders along the corridor and would like to have a representative from the Watershed District. They have requested that Administrator Downing attend roughly 4 meetings over a 9-month study period to provide WMO input on the process. Administrator Downing clarified that there is also a citizen advisory committee (CAC) where communities may provide input. Administrator Downing mentioned that this is very early in the planning process.

Manager McCarthy motioned to appoint Administrator Downing as the WMO Representative to the St. Croix Valley Regional Trail TAC. Manager Zeller seconded the motion and the motion passed with all in favor.

Grant and Cost Share Applications

Goeltl Turf to Prairie

The Goeltl's are applying for a Native Habitat Restoration grant. They would like to convert their existing Kentucky bluegrass lawn to a 5,000 sq. ft. native prairie. Their property is located less than a quarter mile from Brick Pond in Priority Catchment Lily-22 as identified in the Lily Lake Stormwater Retrofit Assessment, making it an ideal location for a water quality and habitat improvement project. The project is estimated to cost \$8,241.00 and the cost share requested is \$1,000. The board mentioned that the applicants should be encouraged to check their local ordinance to ensure their compliance.

Manager Zeller motioned to approve encumbrance of \$1,000 cost share. Manager Collins seconded the motion and the motion passed with all in favor.

Kelly Native Planting

The Kelly's are applying for the Landscaping for Habitat grant. They would like to install a 200 sq. ft. native planting for the back (east) and south side home landscape. Their property is located less than 0.5 miles from the St. Croix River, making it an ideal location for a water quality and habitat improvement project. The project is estimated to cost \$331.70, and the cost share requested is \$250.00.

Manager McCarthy motioned to approve encumbrance of \$250.00 cost share for the installation of the Kelly native planting. Manager Collins seconded the motion and the motion passed with all in favor.

Plan Reviews/Submittals

MN Party Bus – INFORM

The applicant was notified after the September MSCWMO meeting by the City of Lakeland Shores that they were not in compliance with their approved site plan and permit. City staff requested the MSCWMO take the lead on enforcement related to permit compliance. The applicant retained the designer of the original site plan to make modifications and complete the resubmittal.

The resubmittal was reviewed and meets MSCWMO performance standards. Full and final compliance with standards will be determined upon submittal of as-builts and measured infiltration as well as an executed maintenance agreement.

Administrator Downing mentioned continued observation of heavy vehicles and equipment on the infiltration area, which can affect infiltration rates. Manager Zeller recommended Administrator Downing get in touch with the city to recommend that barriers be placed to prevent the vehicle parking from being a continued concern.

Baylon Boathouse – ACTION

Solution Blue submitted a project review application on January 19th, 2022 for a boathouse reconstruction at 165 Lakeland Shores Road, City of Lakeland Shores, MN. The project is within the St. Croix Riverway but does not add any impervious therefore permanent stormwater

management BMPs were not required. There are a number of concerns with the project not meeting the Lakeland Shoreland management and Floodplain ordinances. The project will likely require setback variances and a conditional use permit from the City of Lakeland. The ESC plan is meets all MSCWMO performance standards except for the construction within the bluffline setback. The applicant has applied for City variances and a conditional use permit.

Administrator Downing drafted a response to the City Administrator for the City of Lakeland Shores indicating that the MSCWMO recommends the applicant demonstrate compliance or obtain variances to City Ordinances. He clarified that in this instance, demonstrating compliance would mean not building the proposed project. Manager Zeller encouraged that the language of the letter be more clear to ensure it not be misinterpreted by the City.

Manager Runk motioned to rewrite the letter to state that the applicant does not meet flood plain and setback requirements. Manager Collins seconded the motion and the motion passed with all in favor.

Burton Walls – ACTION

The MSCWMO received project review submittal materials on August 27th, 2021 for the repair and replacement of failing retaining walls and the construction of a new patio at 313 Quixote Ave N in Lakeland Shores. The MSCWMO staff meet with the project applicant on August 31st and advised the applicant the MSCWMO prohibits construction within 40 feet of the top of blufflines and requires BMPs to achieve volume control when 500 square feet or more of impervious surface is added. The applicant revised the project scope so that construction within the 40-foot bluffline setback is limited to repair/replacement of existing retaining walls.

Manager Zeller requested before and after photos of the project. Manager McCarthy motioned to approve the project with the condition of before and after photos being taken. Manager Runk seconded the motion and the motion passed with all in favor.

St. Michael's Cemetery – INFORM

The MSCWMO reviewed and recommended approval on February 23rd, 2022 for the addition of road and sidewalk at the St. Michael's Cemetery in the City of Bayport. An as-built survey and supporting documents were reviewed by the City Engineer and it was found that the site grading for the stormwater basins was not completed according to the approved grading plan and therefore the project does not meet the MSCWMO performance standards. The City of Bayport has informed the applicant the project requires regrading.

At this point in the meeting Administrator Downing mentioned that the Cities of St. Mary's Point and West Lakeland still owe the MSCWMO and that he would follow up with them.

Park Dental – ACTION

The Middle St. Croix Watershed Management Organization (MSCWMO) received an application for project review on September 15th, 2021 for the demolition of existing building

and utilities and reconstruction of a new building and associated improvements at 13961 60th St. N, located within MSCWMO boundaries and in the City of Oak Park Heights. An initial recommendation of conditional approval was made on November 4th, 2021 but the City of Oak Park Heights did not approve the project based upon the use of infiltration in a high vulnerability DWSMA. The applicant resubmitted the project with a revised the stormwater treatment system to utilize a filtration system and flexible treatment options to comply with the MSCWMO performance standards. MSCWMO staff recommends approval with three conditions:

1. Flowage easements up to the 100-yr flood level have been secured for stormwater management facilities.
2. A proposed maintenance agreement approved by the city is provided.
3. Methods to demonstrate filtration basin is functioning as designed prior to the release of any remaining fee or security are identified in the plans.

Manager Zeller motioned to approve the project with the three conditions. Manager McCarthy seconded the motion and the motion passed with all in favor.

Inspiration – INFORM

The developer has been in contact with the WMO and the City of Bayport regarding the looming expiration of the letter of credit. An as-built survey and supporting documents were reviewed by MSCWMO staff in January 2021 and in correspondence with the City of Bayport public works staff and the developer's engineer it was documented that the infiltration basin was short on volume retention required and the basin could be regraded or the outlet raised to remedy the shortage of volume retention. No information has been provided for review.

2022 Stillwater Streets – INFORM

This item was listed as an action item in the board packet but had since changed to an inform item. An application for project review was submitted on March 29th, 2022 for the City of Stillwater 2022 Street Improvement project which includes pavement rehabilitation, storm and sanitary sewer repair, curb and gutter repair, and sidewalk replacement for numerous City streets. Also included is the addition of 650 feet of new sidewalk along Brick Street and new curb along Ramsey Street. Additional submittal materials were sent to MSCMWO on April 1st, 2022. The plans did not provide enough information on the proposed rain gardens to determine compliance with MSCWMO performance standards and corrections are needed to the HydroCAD model to determine compliance with rate control standards. The rain gardens are also located in an emergency response area (ERA) that is in a high vulnerability DWSMA so infiltration is prohibited and they will need to be designed as biofiltration practices and supply documentation of compliance with MIDS flexible treatment options. MSCWMO staff recommends the applicant revise and resubmit the project for further review.

MNDOT SP 8282-145 – ACTION

An application for project review and required submittal items were received on April 4th, 2022 for the grading, shoulder rehabilitation, and temporary crossovers along TH94 located within MSCWMO boundaries and in the Cities of Afton and Lakeland and West Lakeland Township. The project disturbs 12.1 acres within the MSCWMO which consists of mostly pavement rehabilitation, not full reconstruction and temporary added impervious for traffic crossovers. The added impervious will be utilized during the construction of future project SP 8282-132 and will be removed thereafter in approximately one year. The project demonstrates compliance with erosion and sediment control performance standards. MSCWMO staff recommends approval with no conditions.

Manager Runk motioned to approve the project with no conditions. Manager Collins seconded the motion. The motion passed with all in favor.

Northern Natural Gas – ACTION

This item was listed as an inform item in the board packet but has been moved to an action item. An application for project review and required submittal items were received on April 29th, 2022 for the replacement of 2,320 feet of natural gas pipeline and install a pipeline inspection gauge receiver at the existing Stillwater #1 TBS within MSCWMO boundaries and in the City of Oak Park Heights and Baytown Township. The project disturbs 6.31 acres within the MSCWMO which consists of excavating for the installation of piping, adjacent temporary workspace for equipment staging, and expansion of the gravel impervious surfaces at the Stillwater #1 MN TBS facility by 0.06 acres. The project requires compliance with erosion and sediment control performance standards but is below the threshold for requiring compliance with stormwater management performance standards. MSCWMO staff recommends approval with no conditions.

Manager Zeller motioned to approve the project with no conditions. Manager McCarthy seconded the motion and the motion passed with all in favor.

Erosion and Sediment Control Inspection Reports

There were no new reports.

Staff Report

Administrator Downing presented the May 2022 staff report. Administration items included the May meeting materials, coordination of grant and permit program, and finalizing 2021 audit information.

Administrator Downing discussed the Lily Lake basin, which is 95% complete. Planting for the basin is planned for June 1st and will be conducted by WCD staff, volunteers, as well as members of other organizations. The contractor for the basin has requested final payment. Administrator Downing had some concerns about some aspects of the construction of the basin and has not brought the final payment to the board yet at this time. The night prior to the meeting, the area experienced heavy storms that included large rainfall totals which caused an erosion issue at the basin. Additional work on the Lily Lake Phosphorus Reductions for Delisting include the final plan for the alum treatment, which is scheduled for May 18th. There is potential for the grant for this item to be closed out as early as July.

The Lake St. Croix Small Communities Phosphorus Reduction Grant has entered Phase II. This is a \$158,000 grant for stormwater quality improvement south of Bayport to implement practices in the LSCD south SWA area to achieve a load reduction of up to 7lbs of TP/yr. WCD has completed final design and bid packet will proceed with RFP following board approval at May meeting. All landowner agreements have been signed and construction is targeted for the fall.

The 3M PFAS Settlement MPCA Staff Reimbursement Grant will be coming to an end in June. There are no updates since the last meeting.

Additional staff report items include the water monitoring program. Equipment is being deployed on stream sites in MSCWMO and lake monitoring has begun. Lake elevation gages have also been installed on Lily and McKusick lakes. The 2021 Water Monitoring Summary is complete and was approved by the board earlier in the meeting. For Erosion and Sediment Control Inspections, a spring reminder flyer and erosion control product vendor list was distributed to all known active sites to remind contacts to ensure erosion control measures are ready for spring rains. Wildlife friendly product recommendations were researched and routine inspections are resuming. For BMP Maintenance, site visit and planning for the Stillwater Country Club occurred but cleanout was delayed due to frozen conditions. Oak Park Heights Area D inlet cleanout occurred. For Erosion and Sediment Control Inspection, BMP Project, and Plan Review Database the licenses have been renewed and a presentation on the final product will be given at the June meeting. The final item on the staff report before listing meetings is Small Scale Habitat & Water Quality Enhancement Projects. Contract with St. Mary's Point has been executed and work will commence when flood waters recede. Site prep for Lake St. Croix Beach will begin once MCC Crew time is finalized. These programs are all conducted by the WCD.

1W1P Updates

At the previous meeting Manager Runk was appointed to temporarily sit on the committee for the 1W1P. Administrator Downing asked if the board would like to revisit that appointment, or if Manager Runk will stay as MSCWMO representative. Manager Runk offered the position to anyone who wanted it, but offered to attend the July meeting for 1W1P if no one else took the position. The board agreed that Manager Runk will attend the July meeting.

Manager Runk attended the previous meeting and stated that the main point of discussion at the meeting was whether the 1W1P would continue to be a cooperative or become an entity. The staff recommendation and the recommendation from the Washington County Board Commissioner was that it continue to be a cooperative.

Other

There were no additional items.

Adjourn

Manager Zeller motioned to adjourn the meeting and Manager McCarthy seconded this. The meeting adjourned at 7:43.

SECTION 00090

PAYMENT REQUEST FORM

Lily Lake Stormwater Basin
Owner: Middle St. Croix Watershed Management Organization (MSCWMO)
Class of Work: Infiltration Basin Excavation & Backfill, Storm Sewer Installation,
Pavement Restoration, Erosion Control, Traffic Control, Revegetation.
Project Location: Stillwater, Washington County, Minnesota

PAY ESTIMATE NO. 02

Original Contract Amount.....	<u>\$248,793.58</u>
Contract Changes approved to Date	<u>\$(4,760.62)</u>
Revised Contract Price	<u>\$244,032.96</u>
Work Completed to Date (see attached) *.....	<u>\$244,032.96</u>
Retainage to Date, 5%.....	<u>\$2,010.82</u>
Work Completed to Date Less Retainage to Date	<u>\$242,022.14</u>
Total Amount Previously Certified	<u>\$203,816.61</u>
Payment Request This Estimate	<u>\$38,205.53</u>

*** All payment requests must include an attached summarization of work completed to-date that separates the work and associated costs.**

CERTIFICATE OF CONTRACTOR

I hereby certify that the work and the materials supplied to date, as shown on the attached Request for Payment, represents the actual value of accomplishment under the terms of the contract dated July 7, 2021 between Middle St. Croix Watershed Management Organization (MSCWMO) (OWNER) and Miller Excavating (CONTRACTOR) and all authorized changes thereto.

By Miller Excavating Inc.
Wally Hackett
Title Accountant

Approval:

(CONTRACTOR)

Wally Hackett Date 4/29/22

(ENGINEER)

[Signature] Date 05/03/2022

(Middle St. Croix Watershed Management Organization (MSCWMO))

_____ Date _____

****END OF SECTION****

LILY LAKE STORMWATER BASIN						ORIGINAL CONTRACT \$248,793.58		
MEI #221226								
#	DESCRIPTION	PLAN			DIFF	U/M	U/P	TOTAL
		QTY	MEI	ENG				
1	MOBILIZATION & PERMITS	1	1	1	0 EA	\$ 9,749.22	\$ 9,749.22	
2	CLEARING	1	1	1	0 AC	\$ 5,860.80	\$ 5,860.80	
3	GRUBBING	1	1	1	0 AC	\$ 3,907.21	\$ 3,907.21	
4	REMOVE SEWER SERVICE	60	60	60	0 LF	\$ 7.05	\$ 423.00	
5	REMOVE WATER SERVICE	60	60	60	0 LF	\$ 7.05	\$ 423.00	
6	SAW CONC PVMT	20	20	20	0 LF	\$ 2.75	\$ 55.00	
7	SAW BIT PVMT FD	85	56	56	0 LF	\$ 1.93	\$ 108.08	
8	REMOVE SEWER PIPE STORM	17	17	17	0 LF	\$ 7.64	\$ 129.88	
9	REMOVE C&G	50	21	21	0 LF	\$ 5.14	\$ 107.94	
10	REMOVE BIT PVMT	80	43	43	0 SY	\$ 3.46	\$ 148.78	
11	REMOVE GRAVEL DRIVEWAY	250			0 SF	\$ 1.67	\$ -	
12	REMOVE SIDEWALK	12	13	13	0 SY	\$ 12.75	\$ 165.75	
13	COMMON EX (P)	4825	3579	3579	0 CY	\$ 10.15	\$ 36,326.85	
14	FILTER TOPSOIL BORROW INFI MEDIA	805	805	805	0 CY	\$ 34.60	\$ 27,853.00	
15	AGG BASE CL 5 (CV)	54	54	54	0 CY	\$ 43.54	\$ 2,351.16	
16	FINE AGG (CV)	7	7	7	0 CY	\$ 26.34	\$ 184.38	
17	CONC C&G B624	50	21	21	0 LF	\$ 62.55	\$ 1,313.55	
18	SP WEAR 3"	50	43	43	0 SY	\$ 71.46	\$ 3,072.78	
19	SP BASE 4"	50	43	43	0 SY	\$ 86.85	\$ 3,734.55	
20	SIDEWALK CONC 3F52	100	212	212	0 SF	\$ 14.69	\$ 3,114.28	
21	WOODEN WEIR WALL	83	83	83	0 LF	\$ 85.97	\$ 7,135.51	
22	12" RCP CL 3	66	40	40	0 LF	\$ 66.19	\$ 2,647.60	
23	15" RCP CL 3	70	64	64	0 LF	\$ 71.12	\$ 4,551.68	
24	10" PVC STORM	35	42	42	0 LF	\$ 38.20	\$ 1,604.40	
25	12" PVC STORM	70	75	75	0 LF	\$ 44.39	\$ 3,329.25	
26	15" PVC STORM	12	12	12	0 LF	\$ 65.21	\$ 782.52	
27	15" RCP APRON	1	1	1	0 EA	\$ 1,206.52	\$ 1,206.52	
28	12" CMP APRON	1			0 EA	\$ 270.30	\$ -	
29	TRASH GUARD FOR 12" FES	1			0 EA	\$ 254.35	\$ -	
30	TRASH GUARD FOR 15" FES	1	2	2	0 EA	\$ 845.71	\$ 1,691.42	
31	CONNECT TO EX STORM SEWER	1	4	4	0 EA	\$ 3,364.57	\$ 13,458.28	
							\$ -	
32	CONNECT TO EX DRAINAGE STRUCTURE	1	2	2	0 EA	\$ 1,769.76	\$ 3,539.52	
33	CONST DRAIN 48-4020	2	2	2	0 EA	\$ 4,520.60	\$ 9,041.20	
34	CSTG ASSM	3	2	2	0 EA	\$ 285.95	\$ 571.90	
35	CONST CB	3	2	2	0 EA	\$ 2,951.63	\$ 5,903.26	
36	CONST DRAIN SPECIAL 18" PVC	3	3	3	0 EA	\$ 1,941.04	\$ 5,823.12	
37	CONST DRAIN SPECIAL 24" PVC	1	1	1	0 EA	\$ 2,557.11	\$ 2,557.11	
38	GEO FILTER TYPE 4	130	130	130	0 SY	\$ 4.22	\$ 548.60	
39	HANDPLACED RIPRAP CL 2	50	40	40	0 CY	\$ 154.14	\$ 6,165.60	
40	TURFTONE PAVERS	430	410	410	0 SF	\$ 16.84	\$ 6,904.40	
41	TRAFFIC CONTROL	1	1	1	0 EA	\$ 1,727.83	\$ 1,727.83	
42	DECID TREE 2" B&B	16	16	16	0 EA	\$ 558.67	\$ 8,938.72	
43	DECID SHRUB #5 CONT	45	45	45	0 EA	\$ 74.87	\$ 3,369.15	
44	STAB CONST EXIT	1	1	1	0 EA	\$ 1,181.99	\$ 1,181.99	
45	SDIP	4	1	1	0 EA	\$ 122.32	\$ 122.32	
46	SED CONTROL LOG WOOD	1034	1034	1034	0 LF	\$ 2.50	\$ 2,585.00	
47	SILT FENCE MS	1167	900	900	0 LF	\$ 2.20	\$ 1,980.00	
48	TEMP EC ALLOWANCE	1			0 EA	\$ 10,000.00	\$ -	
49	ECB CAT 25	4024	4024		4024 SY	\$ 3.46	\$ 13,923.04	
50	ECB CURLEX FIBRENET 3	36	36	36	0 SY	\$ 1.85	\$ 66.60	
51	SEEDING	1.2	1.2	1.2	0 AC	\$ 4,475.08	\$ 5,370.10	
52	SEED 25-131	62	62	62	0 LB	\$ 3.46	\$ 214.52	
53	SEED 33-261	16	16	16	0 LB	\$ 78.33	\$ 1,253.28	
54	SEED 35-241	16	16	16	0 LB	\$ 32.25	\$ 516.00	
55	NATIVE VEG	1	1		1 EA	\$ 10,848.47	\$ 10,848.47	
	EXTRA- HAUL OUT RUBBLE		89		89 LD	\$ 150.00	\$ 13,350.00	
	EXTRA- INSTALL CURB BOX & EXTENSION		1		1 EA	\$ 739.64	\$ 739.64	
	EXTRA- CLEAR/GRUB ADD'L TREES		4		4 EA	\$ 338.80	\$ 1,355.20	
	SOUTH OF THE POND						\$ 244,032.96	
							\$ 203,816.61	
							Balance \$ 40,216.35	
							Retainage 5% \$ (2,010.82)	
							Net Current Due \$ 38,205.53	

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Shawn Sanders, Stillwater Public Works Director
FROM: Matthew Downing, Middle St. Croix WMO
DATE: June 13, 2022

RE: Lily Lake Improvement Project Cooperative Agreement Payment Request

In April of 2020, the MSCWMO and City of Stillwater entered into an agreement for the implementation of a regional filtration facility and alum treatment benefiting Lily Lake. MSCWMO secured a \$513,500 Clean Water Fund grant for the implementation of the project, which requires a 25% local match in funding. The City agreed to provide up to \$110,000 of the required match funds, with the remaining coming from MSCWMO and local groups.

Total project costs came in far below projected expenses of \$641,500, at approximately \$440,000. As such, the request for match from the City is reduced from the agreement amount to \$70,000. A summary of project expenses and match contributions is as follows:

- Project Administration, Technical and Engineering - ~\$50,000 (pending final closeout)
- Filtration Basin - ~\$245,000
- Alum Treatment- ~\$148,000

- City of Stillwater - \$70,000
- MSCWMO - \$17,075
- Stillwater Greely LLC - \$5,000

Final Payment Request:

The Middle St. Croix WMO is requesting reimbursement of \$70,000 towards the Lily Lake Improvement Project in accordance with the April 2020 Cooperative Agreement for the implementation of said project.

Client Authorization to Bind Coverage

After careful consideration of Gallagher's proposal dated 5/10/2022, we accept the following coverage(s). Please check the desired coverage(s) and note any coverage amendments below:

	COVERAGE/CARRIER
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	First-Party Cyber
	League of Minnesota Cities Insurance Trust
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	Crime
	League of Minnesota Cities Insurance Trust
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	Petrofund
	League of Minnesota Cities Insurance Trust
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	Municipal Liability
	League of Minnesota Cities Insurance Trust
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	Automobile
	League of Minnesota Cities Insurance Trust
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject	Defense Cost Reimbursement
	League of Minnesota Cities Insurance Trust

Additional Recommended Coverages

Gallagher recommends that you purchase the following additional coverages for which you have exposure. By checking the box(es) below, you are requesting that Gallagher provide you with a Proposal for this coverage. By not requesting a Proposal for this coverage, you assume the risk of any uncovered loss.

Other Coverages to Consider

Property

The above coverage(s) does not necessarily represent the entirety of available insurance products. If you are interested in pursuing additional coverages other than those listed in the Additional Recommended Coverages, please list below:

Other Services to Consider

By checking the box(es) below, you are requesting that Gallagher provide you with additional information for the following services:

Gallagher STEP

eRiskHub



Coverage Amendments and Notes:

Exposures and Values

You confirm the payroll, values, schedules, and any other information pertaining to your operations, and submitted to the underwriters, were compiled from information provided by you. If no updates were provided to Gallagher, the values, exposures and operations used were based on the expiring policies. You acknowledge it is your responsibility to notify Gallagher of any material change in your operations or exposures.

Additional Terms and Disclosures

Gallagher is not an expert in all aspects of your business. Gallagher's Proposals for insurance are based upon the information concerning your business that was provided to Gallagher by you. Gallagher expects the information you provide is true, correct and complete in all material respects. Gallagher assumes no responsibility to independently investigate the risks that may be facing your business, but rather have relied upon the information you provide to Gallagher in making our insurance Proposals.

Gallagher's liability to you arising from any of Gallagher's acts or omissions will not exceed \$20 million in the aggregate. The parties each will only be liable for actual damages incurred by the other party, and will not be liable for any indirect, special, exemplary, consequential, reliance or punitive damages. No claim or cause of action, regardless of form (tort, contract, statutory, or otherwise), arising out of, relating to or in any way connected with the Proposal, any of Gallagher's services or your relationship with Gallagher may be brought by either party any later than two (2) years after the accrual of the claim or cause of action.

Gallagher has established security controls to protect Client confidential information from unauthorized use or disclosure. For additional information, please review Gallagher's Privacy Policy located at <https://www.ajg.com/privacy-policy/>.

You have read, understand and agree that the information contained in the Proposal and all documents attached to and incorporated into the Proposal, is correct and has been disclosed to you prior to authorizing Gallagher to bind coverage and/or provide services to you. By signing below, or authorizing Gallagher to bind your insurance coverage through email when allowed, you acknowledge you have reviewed and agree with terms, conditions and disclosures contained in the Proposal.

By: _____
Print Name (Specify Title)

Company

Signature

Date: _____



Invoice

Member Name and Address

Middle St. Croix River
Watershed Management
Organization
455 Hayward Ave
Oakdale, MN 55128-5374

Invoice Date

05/20/2022

Agent

Arthur J Gallagher Risk Management Services Inc
3600 American Blvd W Ste 500
Bloomington, MN 55431-4502
(952)358-7500

Account Number: 10002740
Account Type: Property/Casualty Coverage Premium
Current Balance: \$ 2,764.00
Minimum Due: \$ 2,764.00
Due Date: 07/01/2022

Summary of activity since last Billing Invoice	Date	Activity	Account Balance	Minimum Due
		Previous Invoice Balance	2,282.00	
		Payments Received	-.00	
		Total of Transactions and Fees shown on reverse or attached	2,764.00	
See reverse side and attachments for additional information		Current Balance	\$ 2,764.00	\$ 2,764.00

Detach and return this Payment Coupon with your payment

Account Number 10002740	Invoice Date 05/20/2022	Due Date 07/01/2022	Current Balance \$ 2,764.00	Minimum Due 2,764.00
				Amount Enclosed \$ _____

Member Name Middle St. Croix River Watershed Management Organization

BILLING INVOICE - Return stub with payment - make checks payable to:

Mail payment 7 days before Due Date to ensure timely receipt

League of MN Cities Insurance Trust P&C
c/o Berkley Risk Administrators Company
222 South Ninth Street, Suite 2700
P.O. Box 581517
Minneapolis, MN 55458-1517



Invoice

Detail of activity since last Invoice		Transaction Amount	Minimum Due
Package 1000889-6 Agreement Period 02/01/2022 - 02/01/2023			
	Agreement Previous Balance	\$ 0.00	
	Renewal - PR 05/18/2022	\$ 2,764.00	
	Agreement Ending Balance	\$ 2,764.00	\$ 2,764.00
Defense Cost Reimbursement 1000890-6 Agreement Period 02/01/2022 - 02/01/2023			
	Agreement Previous Balance	\$ 0.00	
	Agreement Ending Balance	\$ 0.00	\$ 0.00
	Total Current Balance	\$ 2,764.00	
	Total Minimum Due		\$ 2,764.00



Invoice

Thank you for choosing us as your Coverage carrier. The following information is to assist you in reviewing your Billing Invoice.

Billing Inquiries: CONTACT YOUR AGENT FOR QUESTIONS ON YOUR AGREEMENT OR CHANGES IN COVERAGE. For billing inquiries, please call 1-612-766-3000

BILLING PROCEDURES

New Agreements and renewals: If your Agreement is issued after the date that coverage began, your first Billing Invoice for the agreement may include more than one installment payment due.

Application of Payments and Cancellation: If you pay more than the Minimum Due, the extra payment will be applied to your next installment proportionately to all agreements on your account. For Accounts owned on agreements with the same Due Date, the payment will be applied proportionately to all agreements with the same Due Date.

Minimum Due is the amount to pay to avoid any agreements on your account from going into a late pay status which could cause cancellation of coverage. If you fail to pay the Minimum Due by the Due Date, a Direct Notice of Cancellation for Non Payment may be issued for one or more agreements on your account. If your account has more than one agreement and you pay less than the Minimum Due, your payment will be applied first to amounts owed on agreements with the oldest balance due.

If we receive a payment after the cancellation effective date and we elect not to reinstate your agreement, the payment will be applied toward any unpaid earned premium on your account before any remainder is refunded.

After an agreement is cancelled, we will bill you for any unpaid earned premium. If you do not pay, the matter may be referred to collections.

Audit Premium: Any Audit Premium owed will be included in both Current Balance and Minimum Due balance shown on the Billing Invoice. Payment of Audit Premium is due in full by the Due Date. If Audit Premium is owed, your payment may be applied first to Audit Premium owed and then to amounts owed on agreements with the earliest Due Date. If special arrangements are needed for repayment of audit premium you MUST contact the Billing Unit at the number shown above for consideration of any such arrangements.

Refunds: Any refund due will be mailed from our office within 15 days after the Invoice date.

Payment address: ALL PAYMENTS SHOULD BE SENT TO OUR PAYMENT PROCESSING CENTER ALONG WITH THE PAYMENT COUPON. The address change from below is printed on the back of the payment coupon. If needed it may also be sent along with your payment to the Payment Processing Center at:

222 South Ninth Street, Suite 2700 Minneapolis, MN 55402 . Please do not send any other correspondence to the payment processing center.

CHANGE OF ADDRESS AND/OR NAME

PLEASE FILL IN THE NAME, AGREEMENT NUMBER AND CHECK APPROPRIATE BOX

- Name Change Only
- Name and Address Change
- Address Change Only

Name: _____

Address: _____

Former Name: _____

Address: _____

Agreement Number: _____

City: _____

State

Zip Code: _____

PLEASE REFER ALL OTHER CHANGES TO YOUR AGENT. THANK YOU.

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Rebecca Nestingen, PE | WCD
DATE: June 7, 2022

RE: Recommended Award of Contract for Riviera Avenue Bioretention

The purpose of this memorandum is to provide a recommendation for selecting a contractor to construct the Riviera Avenue Bioretention project.

The request for bids was sent via email on May 24th, 2022 to a email distribution list of area contractors. Bids were received electronically on June 6th, 2022 by 4:00 PM and tabulated. There were no add alternatives for this project and to formulate the recommendation for award of contract the total bid values were compared. Three bids were received from MNL, US SiteWork, and Shoreline Landscaping. The overall low bidder was MNL with a total bid of \$29,410. A bid summary tabulation is attached. MSCWMO staff recommend approval of the total bid and award of the contract to the lowest responsive bidder, MNL, in the amount of \$29,410. This amount is well below the total grant funding allocated for this project through the Clean Water Fund and match funds from project stakeholders.

Requested Board Action:

Motion by Board Member 1, seconded by Board Member 2, to approve Award of Construction Contract to MNL.

Motion by Board Member 1, seconded by Board Member 2, to approve MSCWMO Administrator, Matt Downing, to execute the Construction Contract for the Riviera Avenue Bioretention project on behalf of the MSCWMO Board of Managers.

ITEM NO.	DESCRIPTION	UNITS	EST. QTY.	MNL		US SiteWork		Shoreline Landscaping	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
2021.501	MOBILIZATION	LS	1	\$ 10,000.00	\$ 10,000.00	\$ 2,655.00	\$ 2,655.00	\$ 10,000.00	\$ 10,000.00
2106.507	EXCAVATION - COMMON	CY	49	\$ 100.00	\$ 4,900.00	\$ 195.00	\$ 9,555.00	\$ 250.00	\$ 12,250.00
2535.503	BITUMINOUS CURB	LF	50	\$ 50.00	\$ 2,500.00	\$ 108.00	\$ 5,400.00	\$ 150.00	\$ 7,500.00
2571.502	CONIFEROUS SHRUB 2' HT CONT	EACH	5	\$ 70.00	\$ 350.00	\$ 291.00	\$ 1,455.00	\$ 100.00	\$ 500.00
2571.502	DECIDUOUS SHRUB NO 2 CONT	EACH	7	\$ 40.00	\$ 280.00	\$ 77.00	\$ 539.00	\$ 50.00	\$ 350.00
2571.502	DECIDUOUS SHRUB NO 5 CONT	EACH	3	\$ 90.00	\$ 270.00	\$ 109.00	\$ 327.00	\$ 100.00	\$ 300.00
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LF	650	\$ 5.00	\$ 3,250.00	\$ 8.80	\$ 5,720.00	\$ 10.00	\$ 6,500.00
2574.505	SUBSOILING	ACRE	0.08	\$ 20,000.00	\$ 1,600.00	\$ 101,000.00	\$ 8,080.00	\$ 60,000.00	\$ 4,800.00
2575.504	SODDING TYPE SALT TOLERANT	SY	545	\$ 8.00	\$ 4,360.00	\$ 42.50	\$ 23,162.50	\$ 10.00	\$ 5,450.00
2575.507	MULCH MATERIAL TYPE 6	CY	3	\$ 300.00	\$ 900.00	\$ 121.00	\$ 363.00	\$ 250.00	\$ 750.00
2575.523	WATER	MGAL	0.2	\$ 5,000.00	\$ 1,000.00	\$ 8,835.00	\$ 1,767.00	\$ 35,000.00	\$ 7,000.00
					\$ 29,410.00		\$ 59,023.50		\$ 55,400.00

MSCWMO 2023 Draft Budget

	2022 MSCWMO Budget	2023 MSCWMO Budget	% CHANGE
ADMINISTRATION			
Administration - General	\$ 31,160.00	\$ 31,160.00	0.00%
Accounting	\$ 1,550.00	\$ 1,550.00	0.00%
Legal Fees - General	\$ 1,000.00	\$ 1,000.00	0.00%
Audit	\$ 2,100.00	\$ 2,100.00	0.00%
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	\$ 1,180.00	0.00%
Copying/printing/reproduction/minutes	\$ 625.00	\$ 625.00	0.00%
Admin Total	\$ 40,840.00	\$ 40,840.00	0.00%
PROJECT FUNDS			
Project Contingency	\$ 2,000.00	\$ 2,000.00	0.00%
Engineering - Project	\$ 5,700.00	\$ 5,700.00	0.00%
Development Plan Reviews	\$ 5,040.00	\$ 5,040.00	0.00%
Erosion Monitoring Program	\$ 2,250.00	\$ 2,250.00	0.00%
BMP Cost-Share (general)	\$ 20,000.00	\$ 20,000.00	0.00%
BMP TA & Admin	\$ 27,768.00	\$ 27,768.00	0.00%
Community TA	\$ 3,000.00	\$ 3,000.00	0.00%
Water Resource Educator	\$ 6,300.00	\$ 6,300.00	0.00%
Website	\$ 800.00	\$ 800.00	0.00%
Inspections and Tracking Database	\$ 900.00	\$ 900.00	0.00%
Project Total	\$ 73,758.00	\$ 73,758.00	0.00%
WATER MONITORING			
Water Monitoring	\$ 22,000.00	\$ 22,000.00	0.00%
Water Monitoring Total	\$ 22,000.00	\$ 22,000.00	0.00%
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	\$ 142,348.00	0.00%

**MIDDLE ST. CROIX
WATERSHED MANAGEMENT ORGANIZATION
FINANCIAL STATEMENTS
DECEMBER 31, 2021**

DRAFT

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
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FOR THE YEAR ENDED DECEMBER 31, 2021**

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MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
ORGANIZATION
DECEMBER 31, 2021

Board of Managers:

	<u>City or Township</u>
Brian Zeller (Chair)	Lakeland Shores
Joseph Paiement	Lakeland
Dan Kylo (Treasurer)	West Lakeland Township
Annie Perkins (Secretary)	Afton
John Dahl	Bayport
John Fellegy	Baytown Township
Tom McCarthy (Vice Chair)	Lake St. Croix Beach
Mike Runk	Oak Park Heights
Ryan Collins	Stillwater
Beth Olfelt-Nelson	St. Mary's Point

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INDEPENDENT AUDITOR'S REPORT

To the Board of Managers
Middle St. Croix Watershed Management Organization
Oakdale, Minnesota

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of the general fund of Middle St. Croix Watershed Management Organization, as of and for the year ended December 31, 2021, and the related notes to the financial statements, as listed in the table of contents.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the general fund of Middle St. Croix Watershed Management Organization, as of December 31, 2021, and the changes in financial position thereof for the year then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of Middle St. Croix Watershed Management Organization and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Middle St. Croix Watershed Management Organization's management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about Middle St. Croix Watershed Management Organization's ability to continue as a going concern for one year after the date that the financial statements are issued.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of Middle St. Croix Watershed Management Organization's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about Middle St. Croix Watershed Management Organization's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Emphasis of Matter

As discussed in Note 1, the financial statements present only the general fund and do not purport to, and do not, present fairly the financial position of Middle St. Croix Watershed Management Organization, as of December 31, 2021, and the changes in its financial position for the year then ended in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Management has omitted the management's discussion and analysis that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Although not a part of the basic financial statements, such missing information, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic or historical context. Our opinion on the basic financial statements is not affected by this missing information.

Other Information

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise Middle St. Croix Watershed Management Organization's basic financial statements. The introductory section is presented for purposes of additional analysis and is not a required part of the financial statements.

The introductory section has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated May 17, 2022 on our consideration of Middle St. Croix Watershed Management Organization's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Middle St. Croix Watershed Management Organization's internal control over financial reporting and compliance.

Peterson Company Ltd

Peterson Company Ltd
Waconia, Minnesota

May 17, 2022

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
STATEMENT OF NET POSITION
DECEMBER 31, 2021**

	Governmental Activities
Assets:	
Cash	\$ 365,522
Accounts receivable	5,000
Due from other governments	25,468
Total Assets	395,990
Liabilities:	
Accounts payable	13,564
Unearned revenue	97,555
Total Liabilities	111,119
Net Position:	
Unrestricted	284,871
Total Net Position	\$ 284,871

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See accompanying notes to the financial statements and Independent Auditor's Report.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
STATEMENT OF ACTIVITIES
FOR THE YEAR ENDED DECEMBER 31, 2021**

<u>Functions/Programs</u>	Program Revenues			Net (Expense) Revenue and Net Position	
	Expenses	Charges For Services	Operating Grants and Contributions	Capital Grants and Contributions	Governmental Activities
Governmental Activities:					
General government	\$ 132,008	\$ -	\$ 148,720	\$ -	\$ 16,712
Programs	301,152	-	176,681	-	(124,471)
Total Governmental Activities	\$ 433,160	\$ -	\$ 325,401	\$ -	(107,759)
General Revenues:					
General property taxes					141,776
Unrestricted interest earnings					272
Other					15,183
Total General Revenues					157,231
Change in Net Position					49,472
Net Position - January 1					235,399
Net Position - December 31					\$ 284,871

See accompanying notes to the financial statements and Independent Auditor's Report.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
BALANCE SHEET
GOVERNMENTAL FUND
DECEMBER 31, 2021**

	<u>General Fund</u>
Assets	
Cash	\$ 365,522
Accounts receivable	5,000
Due from other governments	25,468
Total Assets	<u>\$ 395,990</u>
 Liabilities and Fund Balance	
Liabilities	
Accounts payable	\$ 13,564
Unearned revenues	97,555
Total Liabilities	<u>111,119</u>
 Fund Balance	
Unassigned	284,871
Total Fund Balance	<u>284,871</u>
 Total Liabilities and Fund Balance	<u>\$ 395,990</u>
 Total Fund Balance	<u>\$ 284,871</u>
 Net Position of Governmental Activities	<u>\$ 284,871</u>

See accompanying notes to the financial statements and Independent Auditor's Report.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
STATEMENT OF REVENUES, EXPENDITURES AND
CHANGES IN FUND BALANCE
GOVERNMENTAL FUND
FOR THE YEAR ENDED DECEMBER 31, 2021**

	<u>Total General Fund</u>
Revenues	
Intergovernmental	\$ 325,401
General property taxes	141,776
Interest income	272
Other	15,183
Total Revenues	<u>482,632</u>
 Expenditures	
Current:	
General government:	
Contracted personnel services	126,227
Insurance	2,282
Professional fees	3,366
Miscellaneous	133
Programs:	
Local	1,063
State	300,089
Total Expenditures	<u>433,160</u>
Net Change in Fund Balance	49,472
 Fund Balance - January 1	<u>235,399</u>
 Fund Balance - December 31	<u>\$ 284,871</u>
 Net Change in Fund Balance - Governmental Fund	<u>\$ 49,472</u>
 Change in Net Position of Governmental Activities	<u>\$ 49,472</u>

See accompanying notes to the financial statements and Independent Auditor's Report.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 1 - Summary of Significant Accounting Policies

The Middle St. Croix Watershed Management Organization (the WMO) was established by a Joint Powers Agreement in 1984, between the cities and townships of Afton, St. Mary's Point, Lake St. Croix Beach, Lakeland Shores, Lakeland, Bayport, Oak Park Heights, Stillwater, West Lakeland Township, and Baytown Township, Minnesota. The WMO was formed to meet the requirements of the Metropolitan Surface Water Management Act under the provisions of Minnesota Statutes 103B.211 and 471-59.

The purpose of the Watershed Management Plan is to:

- Protect, preserve, and use natural surface and groundwater storage and retention systems.
- Minimize public capital expenditures needed to correct flooding and water quality problems.
- Identify and plan for the means to effectively protect and improve surface and groundwater quality.
- Establish more uniform local policies and official controls for surface and groundwater management.
- Prevent erosion of soil into surface water systems.
- Promote groundwater recharge.
- Protect and enhance fish and wildlife habitats and water recreational facilities.
- Secure the other benefits associated with the proper management of surface and groundwater.

The WMO submitted its Watershed Management Plan to the Minnesota Board of Water and Soil Resources in 1984. Each municipality within the WMO has developed, or is in the process of developing, a specific local water management plan to accomplish the various watershed management objectives of the WMO. The work plan includes guidelines for employees and technicians to follow in order to achieve the Organization's objectives.

The WMO is governed by a ten-member Board of Managers. The Board consists of ten representatives appointed by each of the member municipalities.

The financial statements of the WMO have been prepared in conformity with generally accepted accounting principles as applied to government units by the Governmental Accounting Standards Board (GASB). The WMO's accounting policies are described below:

Financial Reporting Entity

Generally accepted accounting principles require that the financial reporting entity include the primary government and component units for which the primary government is financially accountable. Under these principles the WMO does not have any component units.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 1 - Summary of Significant Accounting Policies (Continued)

Government-Wide Fund Financial Statements

The government-wide fund financial statements (i.e., the Statement of Net Position and the Statement of Activities) report information on all of the nonfiduciary activities of the WMO. The governmental activities are supported by member contributions and intergovernmental revenues.

The Statement of Activities demonstrates the degree to which the direct expenses of a given function are offset by program revenues. Direct expenses are those that are clearly identifiable with a specific function. Program revenues include 1) charges to customers or applicants who purchase, use or directly benefit from goods, services or privileges provided by a given function and 2) grants and contributions that are restricted to meeting the operational or capital requirements of a particular function. Taxes and other items not included among program revenues are reported instead as general government revenues.

Measurement Focus, Basis of Accounting and Financial Statement Presentation

The government-wide fund financial statements are reported using the economic resources measurement focus and the accrual basis of accounting. Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. Grants and similar items are recognized as revenue as soon as all eligibility requirements imposed by the provider have been met.

Governmental fund financial statements are reported using the current financial resources measurement focus and the modified accrual basis of accounting. Revenues are recognized as soon as they are both measurable and available. Revenues are considered to be available when they are collectible within the current period or soon enough thereafter to pay liabilities of the current period. For this purpose, the WMO considers all revenues, except reimbursement grants, to be available if they are collected within 60 days of the end of the current fiscal period. Reimbursement grants are considered available if they are collected within one year of the end of the current fiscal period. Expenditures generally are recorded when a liability is incurred, as under accrual accounting.

Intergovernmental revenues and interest associated with the current fiscal period are all considered to be susceptible to accrual and so have been recognized as revenues of the current fiscal period. All other revenue items are considered to be measurable and available only when cash is received by the WMO.

The WMO reports one major governmental fund. The General Fund (Administrative Fund) is the general operating fund of the WMO. It is used to account for financial resources to be used for general administrative expenditures and programs of the WMO.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 1 - Summary of Significant Accounting Policies (Continued)

Cash

Cash is stated at fair value, except for non-negotiable Certificates of Deposit, which are on a cost basis and short-term money market investments, which are stated at amortized cost.

Accounts Receivables and Due from Other Governments

Receivables are collectible within one year.

Due from other governments are recorded for state grant amounts that were received after year-end and all eligibility requirements had been met.

Unearned Revenue

Governmental funds and government-wide financial statements report unearned revenue in connection with resources that have been received, but not yet earned.

Use of Estimates

The preparation of financial statements in accordance with generally accepted accounting principles (GAAP) requires management to make estimates that affect amounts reported in the financial statements during the reporting period. Actual results could differ from such estimates.

Budgets

Budgets are adopted annually by the Board of Managers. During the budget year, supplemental appropriations and deletions are, or may be, authorized by the Board. The amounts shown in the financial statements as "Budget" represent the original budgeted amounts plus all revisions made during the year and/or for the year. Encumbrance accounting, under which purchase orders, contracts and other commitments of monies are recorded in order to reserve that portion of the applicable appropriation, is not employed by the WMO.

The WMO monitors budget performance on the fund basis. All amounts over budget have been approved by the Board through the disbursement approval procedures.

At December 31, 2021, the WMO's actual expenditures exceeded final budget by \$296,562.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 1 - Summary of Significant Accounting Policies (Continued)

Property Tax Revenue Recognition

The Board of Managers annually adopts a tax levy and certifies it to the County in September (levy/assessment date) of each year for collection in the following year. The County is responsible for billing and collecting all property taxes for itself, the WMO, the local School District and other taxing authorities. Such taxes become a lien on January 1 and are recorded as receivables by the WMO at that date. Real property taxes are payable (by property owners) on May 15 and October 15 of each calendar year. Personal property taxes are payable by taxpayers on February 28 and June 30 of each year. These taxes are collected by the County and remitted to the WMO on or before July 7 and December 2 of the same year. The WMO has no ability to enforce payments of property taxes by property owners. The County possesses this authority.

Government-wide Financial Statements: The WMO recognizes property tax revenue in the period for which taxes were levied.

Governmental Fund Financial Statements: The WMO recognizes property tax revenue when it becomes both measurable and available to finance expenditures of the current period. In practice, current and delinquent taxes and State credits received by the WMO in July, December, and January are recognized as revenue for the current year. Taxes collected by the County by December 31 (remitted to the WMO the following January) and taxes and credits not received at year end are classified as delinquent and due from County taxes receivable. The portion of delinquent taxes not collected by the WMO in January is fully offset by unavailable revenue because they are not available to finance current expenditures.

Classification of Net Position

Net position in the government-wide financial statements is classified in the following categories:

Unrestricted net position – The amount of net position that does not meet the definition of restricted or investment in capital assets.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 1 - Summary of Significant Accounting Policies (Continued)

Fund Balance Classifications

In the fund financial statements, governmental funds report fund balance in classifications that disclose constraints for which amounts in those funds can be spent. These classifications are as follows:

Non-spendable – Consists of amounts that are not in spendable form, such as prepaid items.

Restricted – Consists of amounts related to externally imposed constraints established by creditors, grantors or contributors; or constraints imposed by state statutory provisions.

Committed – Consists of internally imposed constraints. These constraints are established by resolution of the WMO Board.

Assigned – Consists of internally imposed constraints. These constraints reflect the specific purpose for which it is the WMO's intended use. These constraints are established by the WMO Board and/or management.

Unassigned – Is the residual classification for the general fund.

When both restricted and unrestricted resources are available for use, it is the Board's policy to first use restricted resources, and then use unrestricted resources as they are needed.

When committed, assigned or unassigned resources are available for use, it is the Board's policy to use resources in the following order: 1) committed 2) assigned and 3) unassigned.

Recently Issued Accounting Standards

In February 2016, the FASB issued ASU 2016-02, Leases (Topic 842), which provides guidance for accounting for leases. The new guidance requires companies to recognize the assets and liabilities for the rights and obligations created by leased assets initially measured at the present value of the lease payments. The accounting guidance for lessors is largely unchanged. The ASU is effective for fiscal years beginning after December 15, 2021, with early adoption permitted. The WMO is currently evaluating this guidance to determine the impact it may have on its financial statements.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 2 - Deposits and Investments

Deposits

In accordance with Minnesota Statutes, the WMO maintains deposits at depository banks authorized by the Board, all of which are members of the Federal Reserve System.

Minnesota Statutes require that all WMO deposits be protected by insurance, surety bond or collateral. The market value of collateral pledged must equal 110% of the deposits not covered by insurance or bonds.

Minnesota Statutes require that securities pledged as collateral be held in safekeeping by the WMO Treasurer or in a financial institution other than that furnishing the collateral. Authorized collateral includes the following:

- a) United States government treasury bills, treasury notes and treasury bonds;
- b) Issues of United States government agencies and instrumentalities as quoted by a recognized industry quotation service available to the government entity;
- c) General obligation securities of any state or local government with taxing powers which is rated "A" or better by a national bond rating service, or revenue obligation securities of any state or local government with taxing powers which is rated "AA" or better by a national bond rating service;
- d) General obligation securities of a local government with taxing powers may be pledged as collateral against funds deposited by that same local government entity;
- e) Irrevocable standby letters of credit issued by Federal Home Loan Banks to a municipality accompanied by written evidence that the bank's public debt is rated "AA" or better by Moody's Investors Service, Inc. or Standard & Poor's Corporation; and
- f) Time deposits that are fully insured by any federal agency.

At December 31, 2021, the carrying amount of the WMO's deposits were \$365,522 and the bank balance was \$579,534.

Custodial Credit Risk Deposits

Custodial credit risk is the risk that in the event of a bank failure, the WMO's deposits may not be returned to it. State statutes require that insurance, surety bonds or collateral protect all WMO deposits. The market value of collateral pledged must equal 110% of deposits not covered by insurance or bonds. The WMO has no additional deposit policies addressing custodial credit risk. As of December 31, 2021, the WMO's deposits were not exposed to custodial credit risk.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2021**

Note 3 - Unearned Revenue

Unearned revenue represents unearned advances from the Minnesota Board of Water and Soil Resources (BWSR) for clean water funds. Revenues will be recognized when the related program expenditures are recorded. Unearned revenue for the year ending December 31, 2021 consisted of a Clear Water Fund Lake St Croix South Phase II grant for \$74,443 and a Lily Lake Delisting grant for \$23,112, for a grand total of \$97,555.

Note 4 - Grants

The WMO receives financial assistance from governmental agencies in the form of grants. The disbursement of funds received under these programs generally requires compliance with terms and conditions specified in the grant agreements and is subject to audit by the grantor agencies. Any disallowed claims resulting from such audits could become a liability of the applicable fund. However, in the opinion of management, any such disallowed claims will not have a material effect on any of the financial statements of the individual fund types included herein or on the overall financial position of the WMO at December 31, 2021.

Note 5 - Risk Management

The WMO is exposed to various risks of loss for which the WMO carries commercial insurance policies.

There were no reductions in insurance coverage from the previous year or settlements in excess of insurance coverage for any of the past three fiscal years.

Note 6 - Stewardship, Compliance and Accountability

Excess of expenditures over budget – The General Fund had expenditures in excess of budget for the year as follows: Expenditures \$433,160; Budget \$136,598; Excess \$296,562.

Note 7 - Commitments and Contingencies

The WMO is not aware of any existing or pending lawsuits, claims or other actions in which the WMO is a defendant.

Note 8 - Risk and Uncertainty

In March 2020, the World Health Organization declared the novel strain of coronavirus (COVID-19) a global pandemic and recommended containment and mitigation measures worldwide. In addition, the State of Minnesota implemented policies to promote social distancing. The WMO cannot reasonably estimate the length or severity of this pandemic, or the extent to which the disruption from this pandemic may impact the WMO's operations and ultimately impact its financial statements.

Note 9 - Subsequent Events

The WMO has evaluated events and transactions for potential recognition or disclosure through May 17, 2022, the date the financial statements were available to be issued.

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
REQUIRED SUPPLEMENTARY INFORMATION
BUDGETARY COMPARISON SCHEDULE - GENERAL FUND
FOR THE YEAR ENDED DECEMBER 31, 2021**

	Budgeted Amounts		Actual Amounts	Variance with Final Budget - Positive (Negative)
	Original	Final		
Revenues				
Intergovernmental	\$ -	\$ -	\$ 325,401	\$ 325,401
General property taxes	142,348	142,348	141,776	(572)
Interest income	-	-	272	272
Other	-	-	15,183	15,183
Total Revenues	<u>142,348</u>	<u>142,348</u>	<u>482,632</u>	<u>340,284</u>
Expenditures				
Current:				
General government:				
Contracted personnel services	32,340	32,340	126,227	(93,887)
Insurance	2,600	2,600	2,282	318
Office expenses	1,250	1,250	-	1,250
Professional fees	4,650	4,650	3,366	1,284
Miscellaneous	-	-	133	(133)
Programs:				
Local	47,768	47,768	1,063	46,705
State	47,990	47,990	300,089	(252,099)
Total Expenditures	<u>136,598</u>	<u>136,598</u>	<u>433,160</u>	<u>(296,562)</u>
Net Change in Fund Balance	<u>\$ 5,750</u>	<u>\$ 5,750</u>	<u>\$ 49,472</u>	<u>\$ 43,722</u>
Fund Balance - January 1			<u>235,399</u>	
Fund Balance - December 31			<u>\$ 284,871</u>	

See accompanying notes to the financial statements and Independent Auditor's Report.

**INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER
FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS
BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED
IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS**

To the Board of Managers
Middle St. Croix Watershed Management Organization
Oakdale, Minnesota

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the general fund of Middle St. Croix Watershed Management Organization as of and for the year ended December 31, 2021, and the related notes to the financial statements, which collectively comprise the Middle St. Croix Watershed Management Organization's basic financial statements, and have issued our report thereon dated May 17, 2022.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered Middle St. Croix Watershed Management Organization's internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of Middle St. Croix Watershed Management Organization's internal control over financial reporting. Accordingly, we do not express an opinion on the effectiveness of the Middle St. Croix Watershed Management Organization's internal control over financial reporting.

A deficiency in internal control over financial reporting exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or combination of deficiencies, in internal control over financial reporting such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or combination of deficiencies, in internal control over financial reporting that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over financial reporting was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over financial reporting that might be material weaknesses or significant deficiencies and, therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit, we did not identify any deficiencies in internal control over financial reporting that we consider to be material weaknesses. We did identify two deficiencies in internal control over financial reporting, described in the accompanying Schedule of Findings and Responses as items 2021-001 and 2021-002.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether Middle St. Croix Watershed Management Organization's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Middle St. Croix Watershed Management Organization's Responses to Findings

Government Auditing Standards requires the auditor to perform limited procedures on the Middle St. Croix Watershed Management Organization's responses to the internal control findings identified in our audit and described in the accompanying Schedule of Findings and Responses. The Middle St. Croix Watershed Management Organization's responses were not subjected to the other auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the responses.

Purpose of This Report

The purpose of this report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control over financial reporting or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control over financial reporting and compliance. Accordingly, this communication is not suitable for any other purpose.

Peterson Company Ltd

Peterson Company Ltd
Waconia, Minnesota

May 17, 2022

**INDEPENDENT AUDITOR'S REPORT ON
MINNESOTA LEGAL COMPLIANCE**

To the Board of Managers
Middle St. Croix Watershed Management Organization
Oakdale, Minnesota

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the general fund of Middle St. Croix Watershed Management Organization, as of and for the year ended December 31, 2021, and the related notes to the financial statements, which collectively comprise the Middle St. Croix Watershed Management Organization's basic financial statements, and have issued our report thereon dated May 17, 2022.

In connection with our audit, nothing came to our attention that caused us to believe that the Middle St. Croix Watershed Management Organization failed to comply with the provisions of the contracting – bid laws, depositories of public funds and public investments, conflicts of interest, claims and disbursements, miscellaneous provisions, and tax increment financing sections of the *Minnesota Legal Compliance Audit Guide for Other Political Subdivisions*, promulgated by the State Auditor pursuant to Minn. Stat. 6.65, insofar as they relate to accounting matters. However, our audit was not directed primarily toward obtaining knowledge of such noncompliance. Accordingly, had we performed additional procedures, other matters may have come to our attention regarding the Middle St. Croix Watershed Management Organization's noncompliance with the above referenced provisions, insofar as they relate to accounting matters.

The purpose of this report is solely to describe the scope of our testing of compliance and the results of that testing, and not to provide an opinion on compliance. Accordingly, this communication is not suitable for any other purpose.

Peterson Company Ltd

Peterson Company Ltd
Waconia, Minnesota

May 17, 2022

**MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
SCHEDULE OF FINDINGS AND RESPONSES
DECEMBER 31, 2021**

2021-001 Segregation of Duties

Criteria: Generally, a system of internal control contemplates separation of duties such that no individual has responsibility to execute a transaction, have physical access to the related assets, and have responsibility or authority to record the transaction.

Condition: Substantially all accounting procedures are performed by one person.

Cause: This condition is common to organizations of this size due to the limited number of staff.

Effect: The lack of an ideal segregation of duties subjects the WMO to a higher risk that errors or fraud could occur and not be detected in a timely manner.

Recommendation: Any modification of internal controls in this area must be viewed from a cost/benefit perspective.

Management Response: The WMO has adequate policies and procedures in place to compensate for the lack of segregation of duties, including having all disbursements approved by the Board of Managers.

2021-002 Reliability of Financial Information

Criteria: The financial information for the year ended December 31, 2021 still included errors in certain balance sheet accounts that were the result of ineffective monitoring procedures and closing processes throughout the year. Specific issues related to incorrect balances in Unearned Revenue accounts on the balance sheet and not updating the accounts payable balance throughout the year caused misstatements on both the balance sheet and income statement and resulted in audit adjustments. Because these errors were not detected prior to the information being provided for the audit and because the same types of errors were noted during the previous years' audit, there is an indication that the closing procedures, specifically the monitoring and review of financial information by management and the Board, is not being effectively performed. It is our understanding that these errors were present in the financials for several months during the year and were not corrected through month-end closes and ultimately the year-end closing process.

Condition: Financial statements being provided to management and the Board are inaccurate.

Cause: This condition is due to not following their review process.

Effect: The lack of a thorough review process subjects the WMO to a higher risk that errors or fraud could occur and the financial statements may be inaccurate.

Recommendation: We strongly recommend a manager or Board member be more involved with the review process and making sure everything is getting adjusted monthly and that it ties back to supporting schedules. The procedure may be in place, but they are not following their review process.

Management Response: The WMO managers are aware of the issues and the steps taken by staff to resolve. After meeting with the auditor, it was determined that providing an end of year all details report on grant projects to the WMO accountant, would allow for consistent tracking of available funds.

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Matt Downing
DATE: May 12, 2022

RE: 6g.) LSC Direct South Phase II – Bluff Toe Stabilization

In 2020, the MSCWMO and the City of Lake St. Croix Beach implemented a cooperative project stabilizing 404 feet of failing bluff toe. The project utilized City funds along with \$220,00 of CWF grant monies secured by the WMO. The design called for 515 feet of shoreline to be stabilized but was limited by funding constraints.

Bids for the Riviera Treatment Train (also funded by this grant) came in much lower than expectations, leaving ~\$100,000 for other projects. Since the Phase II grant has the same target areas identified as priorities as Phase I, I am recommending that we complete the bluff work that was started previously. The City has discussed the potential and is interested in pursuing this opportunity (see attached memo).

The completion of the stabilization will reduce total phosphorus (TP) loading to Lake St. Croix by a comparable amount of pounds per year as the Phase I project based on BWSR calculator modeling.

Requested Board Action:

Motion by Board Member 1, seconded by Board Member 2, to approve encumbrance of remaining grant funds for the construction of the remaining engineered bluff toe stabilization in Lake St. Croix Beach.



Building a Better World
for All of Us®

MEMORANDUM

TO: Mayor McCarthy and Lake St. Croix Beach City Council

FROM: John D. Parotti, PE | City Engineer (Lic. MN, WI)

DATE: June 15, 2022

RE: Funding Available Through the Middle St. Croix Watershed Management Organization
SEH No. LAKES 155011 14.00

The Middle St. Croix Watershed Management Organization (WMO) Administrator Matt Downing reached out to the City Engineer recently to discuss the potential of additional fund availability for projects that would result in water quality benefits. These funds have become available due to bids for recent water quality projects coming in lower than estimated and, if the funds aren't used for qualifying projects, would need to be sent back.

One potential project that could use these funds is the completion of the bluff toe reinforcement project that was bid in 2020 and completed in 2021. This project would provide water quality benefits to the St. Croix River and therefore qualifies for the remaining funds. The funds would come from the same source as the Riviera Avenue water quality project already approved by the City.

Below is a summary of the funding for these projects and the potential funds available to complete the toe reinforcement project. Allowances have been made for inflation and for engineering (although the project is generally "shovel ready").

Funding	City	WMO/Grant	Total
Funding Previously Approved (Riviera Treatment Train)	\$20,000	\$80,000	\$100,000
Contractor Bids/Monies Expended	\$12,000	\$41,000	\$53,000
Approved Funds Remaining	\$8,000	\$39,000	\$47,000
Additional Funds Potentially Available	\$25,000	\$100,000	\$125,000
Total Potentially Available Funds For Project Expansion	\$33,000	\$139,000	\$172,000
Estimated Cost of Bluff Toe Reinforcement (north 95 LF)	\$26,250	\$78,750	\$105,000

This information is provided for Council discussion and consideration of accepting funds for completion of the bluff toe reinforcement project.

c: Matt Downing, MSCWMO Administrator

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MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Matt Downing, Administrator
DATE: July 7th, 2022

RE: 6a.) 3M PFAS Contamination Groundwater Model Technical Services Reimbursement Request

Our consultant at EOR has been reviewing documents and providing technical input on the development of the water supply groundwater model as part of the 3M PFAS settlement. Staff is requesting reimbursement from MPCA totaling \$422.50 (EOR February).

Recommended Board Action- Approve Submittal of 3M PFAS Reimbursement Request Totaling \$422.50

Invoice

Emmons & Olivier Resources, Inc.
1919 University Ave. W, Ste 300
St. Paul, MN 55104-3455
Phone 651.770.8448
Fax 651.770.2552
www.eorinc.com



Invoice Total \$422.50

Matt Downing
Middle St. Croix WMO
C/O WCD
455 Hayward Avenue North
Oakdale, MN 55128

March 7, 2022
Invoice No: 00405-0011 - 22

Job 00405-0011 3M Groundwater Model Review

- Summary of Work Performed:
•Attend 3M Work group meeting 2/16/2022.
•Attend MSCWMO meeting 2/17/2022 to discuss 3M Phase 2 funding.

Professional Services from February 1, 2022 to February 28, 2022
Professional Personnel

	Hours	Rate	Amount	
Professional 4				
Grubb, Stuart	2.50	169.00	422.50	
Totals	2.50		422.50	
Total Labor				422.50
				Total this Invoice \$422.50

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Technician, Washington Conservation District
DATE: June 2, 2022

RE: 16810 25th St. S.
St. Mary's Point, MN 55043

Justin and Rhonda Townsend are applying for the Landscaping for Habitat grant to install a 3,000 sq. ft. native pollinator garden over an existing drainfield. The property is located within 500 feet of the St. Croix River, making it an ideal location for habitat improvement project.

Project Estimate: \$1,296.00
Amount of Phosphorus Removed: n/a
Cost Share Requested: \$250.00

Requested Board Action:
Motion by Board Member 1, seconded by Board Member 2, to approve encumbrance of \$250.00 cost share for the installation of the Townsend Native Planting.

Location & Photos:



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



MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
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MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Technician, Washington Conservation District
DATE: June 2, 2022

RE: 5420 O'Brien Ave N
Stillwater, MN 55082

Annie Berres is applying for the Landscaping for Habitat grant. She would like to install a 500 sq. ft. native planting to support educational opportunities for her home pre-school program. Her property is located less than 500 ft from the Bayport Wildlife Management Area, making it a suitable location for a water quality and habitat improvement project.

Project Estimate: \$515.00
Amount of Phosphorus Removed: n/a
Cost Share Requested: \$250.00



Requested Board Action:

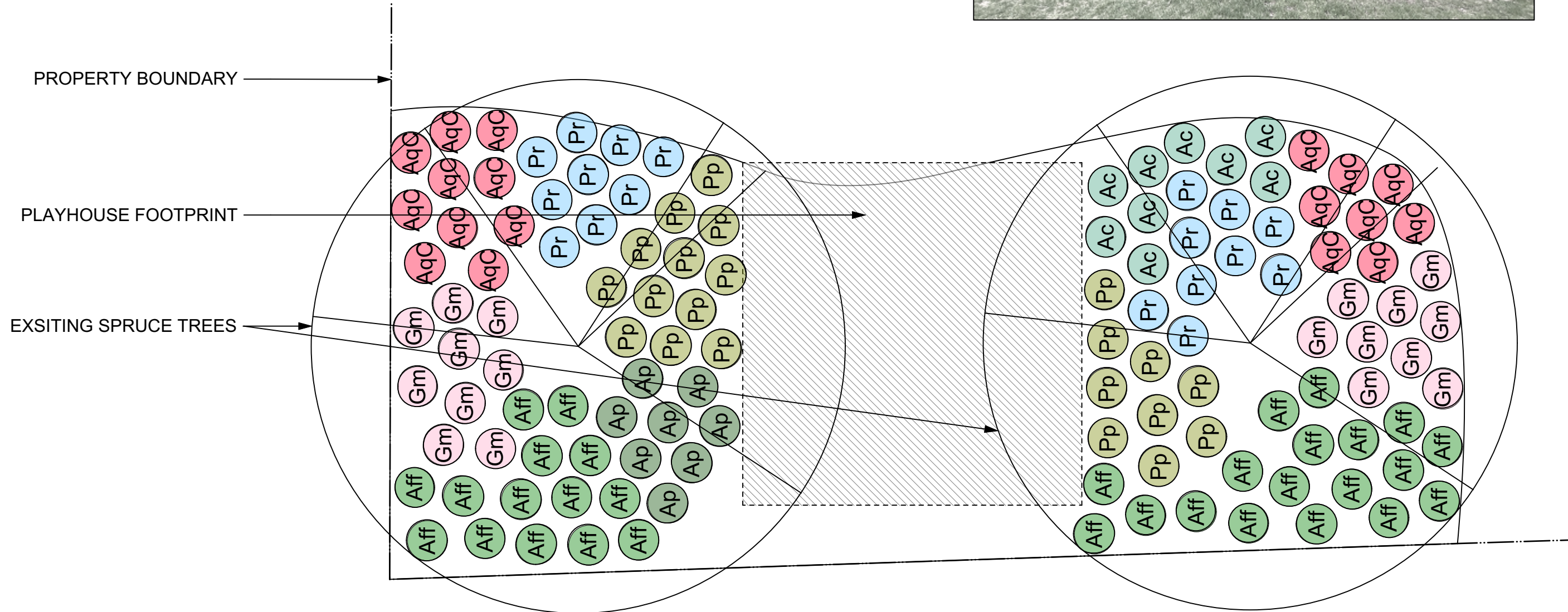
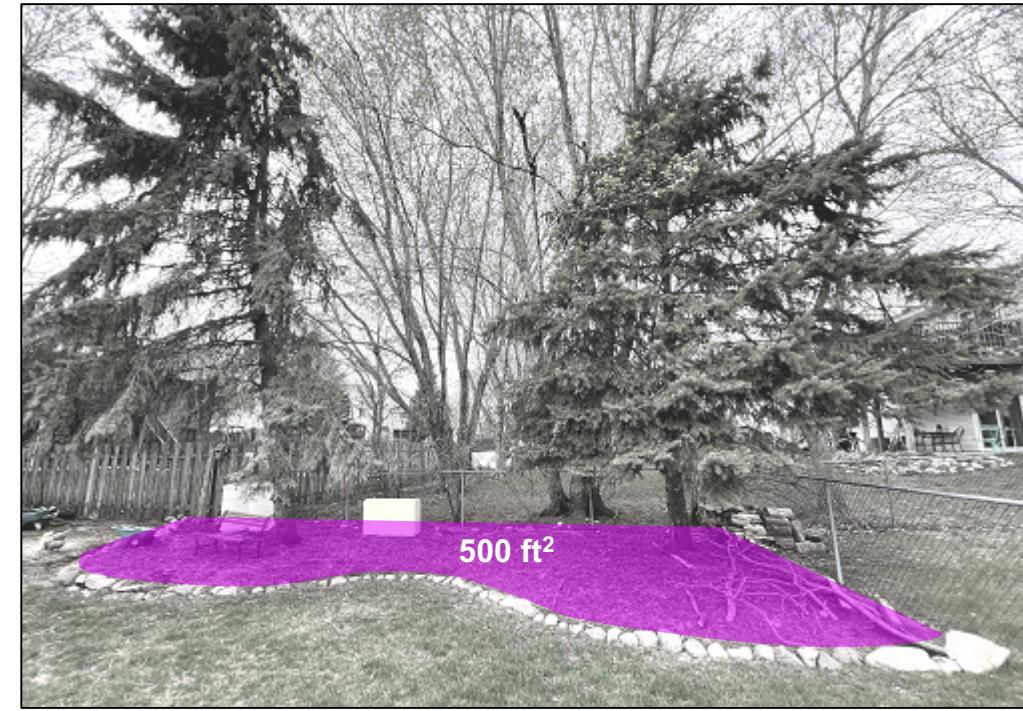
Motion by Board Member 1, seconded by Board Member 2, to approve encumbrance of \$250.00 cost share for the installation of the Berres native planting.

Location & Photos:



Plant List

Image	ID	Qty	Botanical Name	Common Name	Size	Spacing
	Ac	9	Asarum canadense	Wild Ginger	4" Pot	18-24" o.c.
	Aff	32	Athyrium felix-femina	Lady Fern	4" Pot	18-24" o.c.
	Ap	8	Adiantum pedatum	Maidenhair Fern	4" Pot	18-24" o.c.
	AqC	18	Aquilegia canadensis	Wild Columbine	Plug	18-24" o.c.
	Gm	18	Geranium maculatum	Wild Geranium	Plug	18-24" o.c.
	Pp	21	Podophyllum peltatum	Mayapple	4" Pot	18-24" o.c.
	Pr	18	Polemonium reptans	Creeping Jacob's Ladder	Plug	18-24" o.c.



1 PLANTING PLAN
Scale: 1/4" = 1'-0"

Washington Conservation District
455 Hayward Ave N
Oakdale, MN 55128
(651) 330-8220
www.mnwcd.org

Project Address: 5420 O'Brien Ave N, Stillwater, MN 55082
Project Manager: Brett Stolpestad
Drawn: [Blank]
Reviewed: [Blank]
Revision: [Blank]

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION
455 Hayward Ave N
Oakdale, MN 55128
(651) 330-8220 xt 22
www.msowmo.org

Project Title: Berres Native Planting
Sheet Title: CONCEPT PLAN
CAD File Name: Berres_Concept.rvt

Date: 6/2/22

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of
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MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Technician, Washington Conservation District
DATE: June 3, 2022

RE: Kelly Native Planting reimbursement request
1323 1st St. S.
Stillwater, MN 55082

Project Estimate: \$331.70 (*Materials Estimate: \$231.70*)
Actual Expenditure: \$243.43 (*materials only*)
Cost Share Encumbered: \$250.00

On May 12th the MSCWMO Board of Managers approved cost share encumbrance of \$250 for the Kelly Native Planting project. The landowner has submitted receipts for work (installation of 65 native perennials and three native trees/shrubs) conducted in the spring of 2022, totaling \$243.43 in materials costs.

Technical staff have confirmed the work and expenses and recommend reimbursing costs of \$243.43.

Requested Board Action:

Motion by Board Member 1, seconded by Board Member 2, motion to approve reimbursement of \$243.43 for the Kelly Native Planting located at 1323 1st St. S. Stillwater, MN 55082.

Location & Photos:



MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Technician, Washington Conservation District
DATE: July 7th, 2022

RE: 7d.) Siegler Shoreline Buffer reimbursement request
1410 Meadowlark Dr,
Stillwater, MN 55082

Project Estimate: \$9,383.00
Actual Expenditure: \$10,948.00
Cost Share Encumbered: \$1,000.00

On November 10th, 2021 the MSCWMO Board of Managers approved cost share encumbrance of \$1,000 for the Siegler Shoreline Buffer project. The landowner has submitted receipts for work conducted in the spring of 2022, totaling \$10,948.00 for materials and labor.

Technical staff have confirmed the work and expenses and recommends reimbursing costs of \$1,000.00.

Requested Board Action:

Motion by Board Member 1, seconded by Board Member 2, motion to approve reimbursement of \$1,000.00 for the Siegler Shoreline Buffer located at 1410 Meadowlark Dr, Stillwater, MN 55082

Location & Photos:



MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 Hayward Avenue N. Oakdale, MN 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



MEMORANDUM

TO: Middle St. Croix WMO Board of Managers
FROM: Brett Stolpestad, Landscape Restoration Technician, Washington Conservation District
DATE: July 7th, 2022

RE: 7e.) Hietpas Buffer Enhancement
1322 Meadowlark Dr.
Stillwater, MN 55082

Sarah Hietpas is applying for the Landscaping for Water Quality grant. She would like to enhance 96 linear feet of shoreline on Lake McKusick. This work would include 600 square feet of rip rap removal and maintenance along with 800 square feet of turf conversion to native plantings.

Project Estimate: \$777.50 (*Materials Estimate*)
Amount of Phosphorus Removed: n/a
Cost Share Requested: \$500.00

Requested Board Action:

Motion by Board Member 1, seconded by Board Member 2, to approve encumbrance of \$500.00 cost share for the installation of the Hietpas Buffer Enhancement.

Location & Photos:



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





MEMORANDUM

TO: Matt Downing, Administrator
FROM: Rebecca Nestingen, PE
DATE: July 8, 2022

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):

- **2022 Stillwater Streets.** An application for project review was submitted on March 29th, 2022 for the City of Stillwater 2022 Street Improvement project which includes pavement rehabilitation, storm and sanitary sewer repair, curb and gutter repair, and sidewalk replacement for numerous City streets. Also included is the addition of 650 feet of new sidewalk along Brick Street and new curb along Ramsey Street. The rain gardens are also located in an emergency response area (ERA) that is in a high vulnerability DWSMA so infiltration is prohibited. The project meets MIDS flexible treatment option 2 and rate control standards with two lined rain gardens. *MSCWMO staff recommends approval without any conditions.*
- **Hassis Paintworks Building Addition.** An application for project review was submitted on May 9th, 2022 for the Hassis Paintworks building addition project which includes a building addition and associated parking lot and site work at 1792 Greeley Street in the City of Stillwater. The project consists of 14,056 sf of new/reconstructed impervious surfaces. The submittal demonstrated compliance with MSCWMO rate control standards however the site is located in a high vulnerability DWSMA and will utilize a porous pavement filtration system for stormwater management therefor will need to demonstrate compliance with MIDS flexible treatment options. MSCWMO staff recommends the applicant revise and resubmit the project for further review.
- **Jerry Colburn Six Car Garage.** An application for project review was submitted on May 11th, 2022 for a detached garage project reconstruction at 145 Lakeland Shores Rd in Lakeland Shores. The project consists of removal of the existing garage and construction of a new six car garage which adds/reconstructs 3023 sf of new impervious surfaces. Resubmittal materials that were received on June 27th utilized an infiltration basin to provide volume retention. *MSCWMO staff recommend approval with 7 conditions.*
- **Lahr Residence.** An application for project review was submitted on June 8th, 2022 for proposed retaining wall reconstruction, small patio, stairs, and planting project at 681 Quixote Ave N in Lakeland. The project consists of 416 sf of new impervious surfaces and construction within 40' of the bluffline. MSCWMO staff does not recommend approval for projects involving unnecessary grading or additional impervious within 40' of the top of the bluffline but has made exceptions for retaining wall reconstructions to stabilize slopes. MSCWMO staff recommend the applicant revise and resubmit with only necessary grading/proposed impervious to stabilize the existing retaining wall/bluff slope.

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

455 HAYWARD AVENUE OAKDALE, MINNESOTA 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



June 3, 2022

Mr. Shawn Sanders
City of Stillwater
406 Fourth Street North
Stillwater, MN 55082

RE: 2022 Stillwater Street Improvement Project

Dear Mr. Sanders:

The Middle St. Croix Watershed Management Organization (MSCWMO) received a project review application on March 29th, 2022 and additional submittal items on April 1st, 2022 for the City of Stillwater 2022 Street Improvement project located within MSCWMO boundaries and in the City of Stillwater. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP).

The project involves approximately 13,000 square feet of new and/or reconstructed impervious surface and must demonstrate compliance with MSCWMO stormwater management volume/rate control and erosion and sediment control performance standards. The rain gardens are located in an emergency response area (ERA) that is in a high vulnerability DWSMA so infiltration is prohibited. Revised materials for the rain garden design were meeting MIDS flexible treatment option 2 and a SWPPP meeting erosion and sediment control standards were received May 20th, 2022. **The MSCWMO recommends project approval without any conditions.**

MSCWMO review process information can be downloaded from www.mscwmo.org. Please contact me at 651-275-1136 x22 or mdowning@mnwcd.org if you have any questions regarding these comments.

Sincerely,

Matt Downing
Administrator
Middle St. Croix Watershed Management Organization



PROJECT REVIEW

MSCWMO Review ID: 22-006

Project Name: 2022 Street Improvement Project

Applicant: Reabar Abdullah

Purpose: Brick Street Reconstruction and addition of sidewalk on west side of the street

Location: 100-198 Brick Street S, Stillwater

Review Date: 5/3/2022

Recommendation: Approve with no conditions,

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.

NA 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.
- 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).

NA 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.
 - 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 K, or other form approved by the city.

Special or Impaired Water:

- This site drains to, and is within one mile of special or impaired water and complies with the following enhanced protections:

- Stabilization initiated immediately and all soils protected in seven days/provide temp basin for five acres draining to common location.
- Treat water quality volume of one inch of runoff by retaining on site unless not feasible due to site conditions
- NA Maintain buffer zone of 100 linear feet from Special Water.

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

- 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.)
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$4594 \text{ sq. ft.} \times \frac{1.1 \text{ in}}{12 \text{ in/ft}} = 421 \text{ cu. ft.}$ $8328 \text{ sq. ft.} \times \frac{0.55 \text{ in}}{12 \text{ in/ft}} = 382 \text{ cu. ft.}$	<p>BMP Volume</p> <p>BMP #1 595 cu. ft.</p> <p>BMP #2 1,701 cu. ft.</p>
Total Required Volume Retention = 421 cu. ft.	Total Provided Volume Retention = 2296 cu. ft.

Flexible Treatment Options (when applicable)

- 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. *ERA and high vulnerability DWSMA*
- 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 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.
 - c. Areas not authorized to infiltrate under an National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) Permit issued by the MPCA. Areas where contaminants in soil or groundwater will be mobilized by infiltrating stormwater.
 - d. Areas of Hydrologic Soil Group D (clay) soils
 - e. 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.
- 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 devices(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..

MIDDLE ST. CROIX WATERSHED MANAGEMENT ORGANIZATION

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July 7, 2022

Kim Points
City Administrator
City of Lakeland Shores
P.O. Box 246
Lakeland Shores, MN 55043

RE: Colburn Garage Reconstruction

Dear Ms. Points,

The Middle St. Croix Watershed Management Organization (MSCWMO) received an application for project review on May 11th, 2022 for a garage reconstruction at 145 Lakeland Shores Road located within MSCWMO boundaries and in the City of Lakeland Shores. The proposed project qualifies for full review under the MSCWMO 2015 MSCWMO Watershed Management Plan (WMP). Revised materials were received from the applicant on June 27th to include volume retention and sediment control practices. **The MSCWMO recommends approval with the following conditions:**

1. Erosions and sediment control notes describe installation timing and stabilization timeframes
2. Erosion and sediment control installation details are provided (plan sheet states "see detail" but no details were provided)
3. Type and stabilization methods for permanent vegetation is provided.
4. Frequency of erosion and sediment control inspections and maintenance is described as well as contact information for responsible party.
5. Pollution prevention measures are described.
6. For the infiltration basin construction methods meeting MSCWMO standards are described and a standard cross section detail is provided.
7. Sufficient volume retention is provided to meet the required volume retention for all new/reconstructed impervious area, not just the net increase.

This conditional approval does not constitute approval by the City of Lakeland Shores. The enclosed checklist contains detailed information on project review and the policies and performance standards of the WMP. This does not constitute Feel free to contact me at 651-330-8220 x22 or mdowning@mnwcd.org if you have any questions regarding these comments.

Sincerely,

Matt Downing
MSCWMO, Administrator

Enclosure



PROJECT REVIEW FOR SINGLE LOT RESIDENTIAL

MSCWMO Review ID: 22-010

Project Name: Jerry Colburn 6 car garage

Applicant: Jerry Colburn

Purpose: Reconstruct detached garage

Location: 145 Lakeland Shores Rd

Review Date: 7/7/2022

Recommendation: Approval with the following conditions:

1. Erosions and sediment control notes describe installation timing and stabilization timeframes
2. Erosion and sediment control installation details are provided (plan sheet states “see detail” but no details were provided)
3. Type and stabilization methods for permanent vegetation is provided.
4. Frequency of erosion and sediment control inspections and maintenance is described as well as contact information for responsible party.
5. Pollution prevention measures are described.
6. For the infiltration basin construction methods meeting MSCWMO standards are described and a standard cross section detail is provided.
7. Sufficient volume retention is provided to meet the required volume retention for all new/reconstructed impervious area, not just the net increase.

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.
 - 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.
 - 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

G. 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.)
$3023 \text{ sq. ft.} \times \frac{1.1 \text{ in}}{12 \text{ in/ft}} = 277 \text{ cu. ft.}$	BMP Volume BMP #1 274 cu. ft.
Total Required Volume Retention = 277 cu. ft.	Total Provided Volume Retention = 274 cu. ft.

H. 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.

I. 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/Bioretenion_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 ORGANIZATION

455 HAYWARD AVENUE, OAKDALE, MINNESOTA 55128
Phone 651.330.8220 x22 fax 651.330.7747 www.mscwmo.org



July 7, 2022

Michelle Elsner
690 Quinnell Ave. N
Lakeland, MN 55043-0643

RE: Lahr Residence MSCWMO Project Review

Dear Ms. Elsner:

The Middle St. Croix Watershed Management Organization (MSCWMO) received the required submittal items on June 8th, 2022 for the proposed retaining wall reconstruction, small patio, stairs, and planting project located at 681 Quixote Ave N within MSCWMO boundaries and in the City of Lakeland. The proposed project qualifies for full review under the MSCWMO 2015 Watershed Management Plan (WMP).

The project, as submitted, does not conform with the Policies and Performance Standards contained within Section 7.0 of the MSCWMO Watershed Management Plan. According to the WMP construction is prohibited within 40' of the top of blufflines (MSCWMO WMP 7.3.1.H). Exceptions have been made for repairs and replacement of existing retaining walls to stabilize slopes however MSCWMO does not recommend approval for projects involving grading or additional impervious surfaces (such as patios) within 40' of the top of blufflines. **MSCWMO recommends the applicant Revise and resubmit with only necessary grading/proposed impervious necessary to stabilize bluff slope.**

This recommended approval is based on the technical review of the MSCWMO performance standards and does not constitute approval by the City of Lakeland. The enclosed checklist contains detailed information on project review qualifications and the policies and performance standards of the WMP. MSCWMO review process information can be downloaded from www.mscwmo.org. Please contact me at 651-330-8220 x22 or m Downing@mnwcd.org if you have any questions.

Sincerely,

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

Matt Downing
MSCWMO Administrator
m Downing@mnwcd.org



PROJECT REVIEW FOR SINGLE LOT RESIDENTIAL

MSCWMO Review ID: 22-011

Project Name: Lahr Residence

Applicant: Evan Todd

Purpose: Retaining wall replacement, small patio, stairs, and planting

Location: 681 Quixote Ave N, Lakeland

Review Date: 7/7/2022

Recommendation: Revise and resubmit with only necessary grading/proposed impervious necessary to stabilize bluff slope.

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. **Construction is prohibited within 40' of the top of blufflines (MSCWMO WMP 7.3.1.H). Exceptions have been made for repairs and replacement of existing retaining walls to stabilize slopes however MSCWMO does not recommend approval for projects involving grading or additional impervious surfaces (such as patios) within 40' of the top of blufflines.**
- 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.

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.

NA Details of proposed structural stormwater practices (Meets Minnesota Stormwater Manual guidelines) **Under 500 square feet of proposed impervious in St. Croix Riverway.**

- 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.
- 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

G. 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.)						
$XX,XXX \text{ sq. ft.} \times \frac{1.1 \text{ in}}{12 \text{ in/ft}} = X,XXX \text{ cu. ft.}$	<table border="0"> <tr> <td>BMP</td> <td>Volume</td> </tr> <tr> <td>BMP #1</td> <td>X,XXX cu. ft.</td> </tr> <tr> <td>BMP #2</td> <td>X,XXX cu. ft.</td> </tr> </table>	BMP	Volume	BMP #1	X,XXX cu. ft.	BMP #2	X,XXX cu. ft.
BMP	Volume						
BMP #1	X,XXX cu. ft.						
BMP #2	X,XXX cu. ft.						
Total Required Volume Retention = X,XXX cu. ft.	Total Provided Volume Retention = X,XXX cu. ft.						

H. 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.

I. 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

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Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 05/17/2022

Project Name: Maas Project, 1145 Quentin Ave S **Project Address:** 1145 Quentin 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:

General Comments or Potential Areas of Future Concern:

Work has not yet started. Please notify prior to work beginning.

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 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 checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<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 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 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 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 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"/>
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 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 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

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Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 07/07/2022

Project Name: Stordahl Home Reconstruction **Project Address:** 1635 Rivercrest Rd N

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:

Bluff has been stabilized and repaired. Inspections will cease at this time. Project fully complete.

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:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice



Erosion & Sediment Control Compliance Summary & Corrective Action Notice



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Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha **Inspection Date:** 07/07/2022

Project Name: Toland **Project Address:** 801 Quentin 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:

General Comments or Potential Areas of Future Concern:

Project is complete and fully stabilized. Permeable pavers have been installed according to plan. 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 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 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:



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: 05/17/2022

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 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 checked="" 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. Stabilize or cover all unprotected slopes
2. Stabilization must be initiated immediately whenever construction activity has ceased for more than 7 days
3. Temporary stabilization ie mulch, hydromulch, or blanket is required on exposed soils.
4. Repair erosion on slopes
5. Repair and/or replace damaged perimeter control
6. Remove sediment accumulation along perimeter controls

General Comments or Potential Areas of Future Concern:

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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 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 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:



MIDDLE ST. CROIX WATERSHED MANAGEMENT

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Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha

Inspection Date: 05/17/2022

Project Name: Riley Residence

Project Address: 2159 River Road 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 type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input checked="" 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. Re-seed stabilized areas to establish 70% vegetative cover
2. Repair erosion on slopes
3. Sweep up sediment tracked offsite
4. Minor trackout on road. May need another application of hydromulch. Oats have been spread but have not germinated.

General Comments or Potential Areas of Future Concern:

Small gully forming on north side of house should be repaired.

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 checked="" type="checkbox"/>	<input type="checkbox"/>
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Sediment Control Requirements:				
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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 checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>
Maintenance and Inspection Requirements:				
Previously stabilized areas are maintaining ground cover	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input 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"/>
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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 checked="" 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"/>
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"/>
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If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input 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:



Erosion & Sediment Control Compliance Summary & Corrective Action Notice

Inspector Name: Aaron DeRusha Inspection Date: 05/17/2022

Project Name: Ruprecht Retaining Walls Project Address: 737 Quentin 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 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 checked="" 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. Poly sheeting or other soil cover may be used to limit slope erosion if installed before rain events.
2. Install perimeter controls at edge of disturbed soils
3. Adjust perimeter controls to close gaps
4. See future concerns section below.
5. Repair and/or replace damaged perimeter control
6. Repair gap under silt fence south of boathouse

General Comments or Potential Areas of Future Concern:

Silt fence was partially installed, but has been destroyed by high water. Silt fence was not installed over rip rap, rip rap not identified on plan. Add biologs at top of each wall. High water does not preclude site from having continuous perimeter control. Site conditions are challenging for soil cover and perimeter control. Final stabilization will be difficult.

Were any discharges observed during this inspection? No Yes

	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 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Sediment Control Requirements:				
Perimeter sediment controls are installed properly on all down gradient perimeters	<input type="checkbox"/>	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
Erodible stockpiles have perimeter control in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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If required, buffer monumentation has been installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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: 05/17/2022

Project Name: Toland

Project Address: 801 Quentin 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.
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<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:

Spoke with Barrett about moving silt fence to allow landscaping activities. Perimeter controls may be temporarily removed to allow work but must be replaced at the end of each day and before each rain event.

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"/>
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Maintenance and Inspection Requirements:				
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Other Requirements:				
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If required buffers are preserved around all streams, rivers, lakes, and wetlands during construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input 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:** 07/07/2022

Project Name: John See Estates **Project Address:** 1937 Stagecoach Trail N

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 type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
<input checked="" 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. Perimeter control, such as biologs, needed around toe of stockpiles.
2. Establish and/or maintain a properly contained concrete washout facility

General Comments or Potential Areas of Future Concern:

Perimeter control needed around stockpiles. Open stockpiles require temporary stabilization or soil cover if remaining longer than 7 days. Small amount of concrete washout observed.

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 checked="" 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 checked="" type="checkbox"/>
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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"/>
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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"/>
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Other Requirements:				
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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:



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:** 07/07/2022

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.
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<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:

Requested notification to observe installation of underground infiltration system.
Estimated spring 2023.

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"/>
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Erodible stockpiles have perimeter control in place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Other Requirements:				
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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

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:** 07/07/2022

Project Name: Riley Residence **Project Address:** 2159 River Road 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.
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Corrective Action(s) Required:

General Comments or Potential Areas of Future Concern:

Minor sediment cleanout needed on lowest biolog of slope check on north side of house. Rain garden areas 2, 3, 4, and 5 will need to be decompacted prior to final construction.

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"/>
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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:** 07/07/2022

Project Name: Ruprecht Retaining Walls **Project Address:** 737 Quentin 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 type="checkbox"/> A	The site is in full compliance . All practices are in place and the site is well maintained.
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Corrective Action(s) Required:

General Comments or Potential Areas of Future Concern:

Spoke with Pam Ruprecht. Landscaper returning to seed remaining open slopes. Tiled downspouts to bottom of bluff will be cut off and a sump pump installed to redirect impervious runoff to infiltration area in front yard.

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 checked="" 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"/>
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 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"/>
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 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 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:

Erosion & Sediment Control Compliance Summary & Corrective Action Notice



Erosion & Sediment Control Compliance Summary & Corrective Action Notice





Staff Report- June/July 2022

Administration

- Prepared June and July meeting materials
- Coordination of Grant and Permit Program
- Finalized 2021 Audit information

Project Reviews

- 2022 Stillwater Street-**ACTION**
- Hassis Paintworks-**INFORM**
- Colburn Garage-**ACTION**
- Lahr Residence-**ACTION**

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: Basin is constructed, made final payment to the contractor. Final planting occurred June 1st and minor punchlist items will be done in the coming weeks. Alum treatment was conducted on May 23rd thru 25th. Requested match payment from the City of Stillwater. Conducted establishment maintenance. Final closeout and grant reporting will occur over the next month.

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: Minnesota Native Landscapes has been contracted and will start work along Riviera in the coming months. Requesting board approval to encumber remaining Phase II funds for additional bluff toe stabilization (100 lf) north of the 2021 project area.

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

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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 storm sample has been collected at the Greeley St monitoring site. Installation of equipment at the Perro Diversion site has been completed and two samples have been collected this season. The Greeley St datalogger has been malfunctioning, resulting in lost data. The model of equipment is no longer supported by the manufacturer, but the equipment will be substituted with other functional equipment owned by MSCWMO. Lake monitoring continues with seven rounds of samples collected at Lily and McKusick Lakes. Special sampling occurred in May on Lily Lake before and after the alum treatment. The impact of the alum treatment has already been seen in the Secchi transparency readings taken post treatment.

Staff: Rebecca Oldenburg, WCD; Aaron DeRusha, 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.

Activities This Month: Eleven inspections were conducted at the Morris 2711 Itasca, Maas 1145 Quentin, Riley 2159 River Rd, Ruprecht 737 Quentin, and Toland 801 Quentin, John See Estates 1937 Stagecoach Trl, and Stordahl 1635 Rivercrest projects. Follow up was conducted for maintenance of perimeter controls and application of temporary stabilization at the Morris and Riley projects after the May inspections. Both sites were found to be compliant during the July inspections. The May inspection at the Ruprecht project (riparian to the St. Croix) found the silt fence was destroyed due to high water. The silt fence had not been properly installed due to the presence of rip rap, which was not noted on the submitted plan set. Follow up with the landowner and contractor occurred, and the contractor placed biologs at the top of each retaining wall section. Poly sheeting or other soil cover was recommended to be placed before each rain event. The July inspection found the retaining walls had been completed, and final stabilization and redirection of impervious runoff to an infiltration area was in progress. The John See Estates 1937 Stagecoach project was underway during the July inspection, with minor site maintenance items found. The Toland 801 Quentin project was found to be complete including installation of pervious pavers, and inspections will cease for this site. Repairs to the bluff at the Stordahl 1635 Rivercrest project after the blowout event in June 2020 have fully stabilized, and inspections will cease for this site.

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.

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Activities this Month: Inlet cleanout at the Stillwater Country Club, Lily Lake Basin, and Perro Creek Water Quality Improvement Project Basin 3 occurred in May. Vegetation assessment of SCC and discussion about vegetation management plan for 2022 also occurred in May.

Vegetative maintenance at the Stillwater Country Club, Perro Creek Water Quality Improvement BMP, and the Perro Creek Shoreline restoration in June. Watering has begun at the Lily lake basin.

Offline mapping capability is still being trouble-shooted with the new BMP database for tracking maintenance activity for reporting each month.

Staff: Cameron Blake, WCD

Erosion and Sediment Control Inspection, BMP Project, and Plan Review Database

Description: The MSCWMO has partnered with WCD to develop a new erosion control inspection, BMP project tracking, and project plan review applicant database via ESRI's ArcGIS Online. The database will increase efficiency of erosion control and BMP project reporting, the application process for project plan reviews, and serve as a replacement to the current Mapfeeder software.

Activities this Month: Licenses have been renewed and a presentation on the final product has been postponed until the August board meeting.

Staff: Rebecca Nestingen, WCD; Aaron DeRusha, WCD

Small Scale Habitat & Water Quality Enhancement Projects

Description: The MSCWMO has requested Conservation Corps crew time under FY22 Clean Water Funding to support small-scale habitat and water quality enhancement projects in 2022. Projects will include a vegetative buffer enhancement along Perro Creek in Bayport, a 215-foot buffer expansion between Riviera Avenue S and the St. Croix River in Lake St. Croix Beach, and a dune/floodplain enhancement along the St. Croix in St. Mary's Point. The MSCWMO has partnered with WCD to develop proposals for each project.

Activities This Month: Site prep for LSCB buffer enhancement and Perro Creek buffer expansion is underway. Light earthwork/grading for passive revegetation of SMP beach will begin this month. Overseeding at SMP beach site anticipated for fall 2022 or spring 2023 as supplement.

Staff: Brett Stolpestad – WCD

Meetings

- St. Croix Valley Regional Trail TAC – May 19th
- LSCB/WMO Coordination – May 19th
- 2021 Audit Recap – May 23rd
- LSC Steering Team – May 25th
- LSCB Funding Options – June 15th
- LSC Convene Meeting – June 22nd

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- LSC Steering Team – June 22nd
- St. Croix Valley Youth Center Pre App – June 29th

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