

# 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 Bayport Public Library, Bayport, MN Thursday, September 13, 2018 6:00PM

1. Call to Order – 6:00PM
2. Approval of Minutes
  - a. Draft minutes August 9 , 2018 **p. 1-4**
3. Treasurer’s Report
  - a. Report of savings account, assets for September 13, 2018
  - b. Approve payment of bills for September 13, 2018
  - c. Budget Tracker Review
4. Public Comments
5. Old Business
  - a. Lily Lake Delisting Road Map Approval **p.5**
  - b. 711 Quixote Update
6. New Business
  - a. Irrigation Controller Cost Share for 2019 **p.6**
  - b. Final 2019 Budget **p.7**
  - c. MSCWMO Grant Funding Overview
  - d. Manchu Tubergourd Invasive Species Control **p.8**
7. Grants
  - a. Stillwater Country Club Potential Project **p.9-12**
  - b. Greeley Gully Stabilization Final Payment **p. 13-14**
  - c. Stillwater Junior High Iron Enhanced Sand Filter Final Payment **p.15**
  - d. Clean Water Fund Grant Applications Update **p.16**
8. Plan Reviews/Submittals
  - a. Orchards at Cahanes Farms Update, Baytown Township
  - b. Water Street Inn, Stillwater
9. Administrator’s Report
10. Adjourn

Regular Meeting of the Middle St. Croix Watershed Management Organization  
Bayport Public Library, Bayport, MN  
Thursday, August 9, 2018  
6:00PM

Present: Brian Zeller, Lakeland Shores; Mike Runk, Oak Park Heights; Nancy Karras-Anderson, St. Mary's Point; Tom McCarthy, Lake St. Croix Beach; Patrick McGann, Bayport; John Fellegly, Baytown Township; Lakeland; Annie Perkins, Afton; Cameron Blake, WCD; Administrator Mike Isensee.

**Call to Order**

The meeting was called to order at 6:00PM by Brian Zeller.

**Approval of Minutes**

A motion to approve the May 10<sup>th</sup>, 2018 minutes was made by Mike Runk, seconded by Nancy Karras-Anderson. Motion carried.

**Treasurer's Report**

Report of savings account, assets for August 9, 2018  
Approve payment of bills for August 9, 2018

The treasurer's report was presented by Administrator Isensee. The remaining checking account balance is \$298,663.77. First State Bank CDs are valued at \$32,094.13. The ending balance in the RBC savings account is \$48,830.18.

Bills to be approved this month are: Leah Smith: \$250.00; Prairie Restorations: \$850.00; Sally Arneson: 466.00; Emmons & Oliver Resources: \$14,274.73; Washington Conservation District (Administration- June) \$2,380.50; Washington Conservation District (EMWREP) \$1,500.00; Washington Conservation District (Water Monitoring): \$4,398.59; Washington Conservation District (Technical Services- June) \$8,693.56; Washington Conservation District (Technical Services- July) \$5,763.87; Washington Conservation District (Administration- July) \$1,562.50; Washington Conservation District (Grant Hours) \$26,466.63; Washington Conservation District (Lily Lake) \$453.48; Washington Conservation District (LSC Direct) \$7,568.77 Total: \$84,085.63

John Fellegly asked when the Washington Conservation District is paid and Administrator Isensee confirmed they are paid for work completed. John Fellegly asked about communities that owed the MSCWMO money. Administrator Isensee explained Lakeland was the last one with \$6,601.99 owed and that it was added to their contribution notification letter..

Brian Zeller requested a budget tracker review. Administrator Isensee reported administrative costs were 69% and technical assistance costs were at 67%.

A motion to approve the items in the treasurer's report was made by Mike Runk, seconded by Nancy Karras-Anderson. Motion passed.

### **Public Comment**

Administrator Isensee reported a phone call complaint about 711 Quixote Ave, Lakeland in regards to ongoing work. Administrator Isensee talked to them this spring and made three requests for a site visit. Administrator Isensee will contact the city staff and forward the non-replies.

The second public comment was presented by Administrator Isensee from a Stillwater resident who discovered a new invasive species to Minnesota that was thought to have been removed from Stillwater in 2013. The invasive species is called Manchu Tubergourd, is not currently listed, and is covering about 3 acres in the Mulberry Ravine in Stillwater.

### **Draft 2019 Budget**

Administrator Isensee will send the budget notice out. The 2019 budget has a less than 1% increase which Administrator Isensee believes can be shifted around to result in a 0% increase. Brian Zeller moved to approve the 2019 MSCWMO budget for \$133,070.00. John Felleggy seconded. Motion carried.

### **Lower St. Croix One Watershed One Plan Goals**

Administrator Isensee presented the MSCWMO's clean water goals from the 2015-2025 plan and requested the board to provide any additional goals to the 1W1P Planning Team. Brian Zeller requested that infiltration be called out specifically.

### **FY19 Clean Water Fund Grant Applications**

Staff recommends an application for funding to implement the findings of the draft Lily Lake Delisting Report. The \$1,500,000 grant application is identified in the 2015-2025 MSCWMO Watershed Management Plan. If successful the MSCWMO will work with the City of Stillwater to complete design in 2019 and install BMPs in 2020. The grant proposes to install two large BMPs addressing 50% of the annual stormwater pollution flowing into Lily Lake in 2020, in addition, alum treatments will be completed in 2020 and 2021. All studies conducted from 2007-2018 indicate this work will complete the work necessary in the watershed and result in the delisting of Lily Lake in 2024. The grant applications will require a minimum match of \$375,000.

Staff also recommends an application for funding to implement the findings of the Lake St. Croix Direct South Subwatershed Analysis. The \$200,000 grant is identified in the 2015-2025 MSCWMO Watershed Management Plan. It will install BMPs in collaboration with private landowners and communities in areas directly discharging stormwater to the St. Croix south of Bayport. The grant will require a 25% match of \$50,000.

John Felleggy asked about the match requirements for the grant. Administrator Isensee explained the match is included in the budget as admin and cost share and there will also be city resources contributing. Brian Zeller requested Administrator Isensee to ask the Lily Lake Association to contribute financially to the project. Brian Zeller moved to approve the grant applications and John Felleggy seconded. Motion passes.

### **Lily Final 45 Update and Payment Approval**

Staff is requesting approval to reimburse soil boring expenses from the MSCWMO Cost Share Budget of \$5,960.00, which will completed the required match for the \$58,000 grant awarded in May, 2017 and to be closed in October, 2018.

Brian Zeller moved to approve this payment, Nancy Karras-Anderson seconded. Motion carried.

### **2018 Year End Cash Flow**

Staff recommends diverting the MSCWMO CDs (\$32,094.13) which are up for renewal, into the checking account until January 2019. By 2019, the MSCWMO will have received reimbursement from BWSR totaling approximately \$150,000. Brian Zellar moved to approve the grant applications and John Fellegly seconded. Motion passes.

### **North Hill Community Garden Reimbursement, Stillwater**

The North Hill Community Garden was approved for cost share funding not to exceed \$250.00 for a 910 square foot native garden installation on their property at 1004 Martha Street N. in Stillwater. Technical staff have reviewed the project and recommend approval. Mike Runk moved to approve the \$250 reimbursement for the North Hill Community Garden and Tom McCarthy seconded. Motion carried.

### **Arneson Native Slope Stabilization Cost Share Reimbursement, Lakeland**

Sally Arneson has completed the year-long Master Water Steward training and has successfully planned and installed her Capstone Project. The project worked in partnership with the City of Lakeland to stabilize an eroding slope located on the west side of Quixote Avenue, upgradient of the iron enhanced sand filter. The capstone project installed native plants where needed to more effectively stabilize the 1,500 square foot slope. Staff have inspected the project and reviewed receipts. The project was installed per technical guidance from staff. and all costs submitted are reimbursable by the grant approved by the board at the June 14, 2018 regular meeting. Total project costs were \$922.00, for the purchase of 700 native plant plugs. All labor was provided by volunteers. Staff recommend reimbursement of a \$466.00 based on receipts received. Brian Zeller moved to approve the reimbursement of \$466.00 for the Arneson Native Slope Stabilization. Tom McCarthy seconded. Motion passes.

### **Peoples Church Native Prairie Restoration Grant Application, Bayport**

The Peoples Church of Bayport are requesting cost share for the restoration of 2 acres of native prairie located at on the South side of 5<sup>th</sup> Avenue, across from the Bayport Fire Station. The total cost for the installation materials (the majority of the project is being installed and maintained with volunteer labor) is \$5,642.00. The Washington Conservation District is providing cost share of \$3,900.00. Peoples Church is requesting cost share of the remaining balance of material costs of \$1,724.00. Brian Zeller clarified that the cap on native restoration cost share of \$1,000.00. Brian Zeller moved to approve 75% cost share not to exceed \$1,000 for the Peoples Church Native Prairie Restoration. John Fellegly seconded this motion. Motion passes.

### **Stillwater Foundation Adopt A Raingarden Final Grant Report, Stillwater**

Administrator Isensee presented the final report and asked for the board to approve it. John Fellegly asked who homeowners should contact if they have questions about Adopt-a-Raingarden or water issues. Administrator Isensee said they should contact the WCD or MSCWMO. Brian Zeller moved to approve the Stillwater Foundation Adopt A Raingarden final report and John Fellegly seconded. Motion passes.

#### **Amy's Raingarden Grant Application, Bayport**

April Amy is requesting a \$500 water quality improvement grant to install a raingarden at her residence located at 528 6<sup>th</sup> Street North in Bayport. The residential raingarden is within the Perro Creek watershed and will reduce annual phosphorus discharge by 0.14 pounds per year. Total project costs are estimated at \$2,700. Staff recommend approval of a \$500.00 water quality improvement grant. Patrick McGann moved to approve 75% cost share not to exceed \$500.00 for the Amy's Raingarden grant. Annie Perkins seconded. Motion passes.

#### **Johnson Residence, Lakeland**

No action required. Administrator Isensee provided an overview of the conditional approval and the outstanding concerns with the current proposed building configuration raising the elevation of the bluff and encroaching on the 40' setback. The board requested Administrator Isensee continue to work with Jim Stanton on this project.

#### **Orchards at Cahanes, Baytown**

Administrator Isensee provided an overview of the proposed Orchards at Cahanes Farms and staff recommendation of approval with 16 conditions. John Fellegly moved to approve the Orchards at Cahanes Farms with 16 conditions and Nancy Karras-Anderson seconded. Motion passes.

#### **Palmer Station, Oak Park Heights**

Administrator Isensee provided an overview of the proposed Palmer Station subdivision in Oak Park Heights with 5 conditions. Mike Runk moved to approve Palmer Station with five conditions and John Fellegly seconded. Motion passes.

#### **2nd Street Commercial, Lakeland Shores**

Administrator Isensee provided an overview of the transmitted results of the proposed 2<sup>nd</sup> Street Commercial Development. No action required.

#### **Administrators Report**

Administrator Isensee presented the Administrators report. The Washington County Water Consortium is on September 5<sup>th</sup>. Administrator Isensee attended the SSTS Risk Assessment Meeting at Washington County. Brian Zeller asked about Washington county plans to make a yard waste/recycling center. Administrator Isensee will check in on that with Lowell Johnson.

#### **Adjourn**

John Fellegly moved to adjourn at 7:41 p.m., Annie Perkins seconded. Motion passes. Meeting adjourned.

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## MEMORANDUM

**TO:** Middle St. Croix WMO Board of Managers  
**FROM:** Mike Isensee, Administrator  
**DATE:** September 13, 2018  
**RE:** 5a) Lily Lake Final 45 Final Report

The Lily Lake Final 45 project was funded through a Clean Water Fund Grant awarded in May, 2017. The goal of the project was to document past studies and identify the projects necessary to complete the remaining 31% (45 lbs.) required to remove Lily Lake from the state of Minnesota 303(d) impaired waters list.

The Lily Impaired Waters Delisting Road Map and Appendices are the final products of project: <http://www.mscwmo.org/subwatershed-assessments>

Specifically, this project resulted in eight public engagement meetings, a summary of past studies, a summary of installed BMPs, an evaluation of additional potential BMPs, an evaluation of the criteria and monitoring required to delist Lily Lake, an internal load study, 60% plan development for the final two BMPs and a summary of actions to remove Lily Lake from the impaired waters list.

### Board Motion

Board Member 1 motion to approve the Lily Lake Impaired Waters Delisting Report. Second Board Member 2.

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## MEMORANDUM

**TO:** Middle St. Croix WMO Board of Managers  
**FROM:** Mike Isensee, Administrator  
**DATE:** September 13, 2018  
**RE:** **6b) 2019 Irrigation Controller Cost Share Proposal**

Brown's Creek Watershed District is working in partnership with the Stillwater Water Board and the Carnelian Marine St. Croix Watershed District to implement an irrigation smart controller program to reduce irrigation water use in the City of Stillwater. They are requesting the MSCWMO Watershed Management Organization expand our cost share program to include cost share reimbursement of up to \$150 for each controller purchased and installed by landowners within the watershed.

This activity is within the prevue of the 2015-2025 MSCWMO Watershed Management Plan and is generally described in the following two strategies:

S43. Collaborate with member communities, Washington County and other agencies on the development and adoption of policies on the quantity of water used in areas where existing wells and/or groundwater dependent natural resources could be negatively impacted by overuse of groundwater. Negative impacts include reduced flow to surface water bodies, lowering of lake or wetland levels, or interference with other wells.

S44. Provide education to citizens and public officials on the inter-relation of surface and groundwater quality and quantity; the value of and need to protect groundwater recharge areas and wetlands; and implementation of best management practices and low-impact development and redevelopment strategies to protect groundwater resources.

### Example Board Motion

Motion Board Member 1, second Board Member to expand the MSCWMO Cost Share program to include reimbursement of up to \$150 for each unit purchased an installed by landowners within the MSCWMO in 2019.

## MSCWMO 2019 Final Budget

	2018 MSCWMO Budget	2019 MSCWMO Budget	% CHANGE
<b>ADMINISTRATION</b>			
Administration - General	\$ 29,200.00	\$ 29,000.00	-0.68%
Accounting	\$ 1,500.00	\$ 1,500.00	0.00%
Legal Fees - General	\$ 1,000.00	\$ 1,000.00	0.00%
Audit	\$ 1,900.00	\$ 2,100.00	10.53%
Insurance & Bonds	\$ 3,000.00	\$ 3,000.00	0.00%
Office supplies/equipment/postage	\$ 750.00	\$ 750.00	0.00%
Minutes/Clerical	\$ 1,100.00	\$ 1,100.00	0.00%
Copying/printing/reproduction/minutes	\$ 750.00	\$ 750.00	0.00%
<b>Admin Total</b>	<b>\$ 39,200.00</b>	<b>\$ 39,200.00</b>	<b>0.00%</b>
<b>PROJECT FUNDS</b>			
Project Contingency	\$ 2,000.00	\$ 2,000.00	0.00%
Engineering - Project	\$ 5,400.00	\$ 5,400.00	0.00%
Development Plan Reviews	\$ 4,800.00	\$ 4,800.00	0.00%
Erosion Monitoring Program	\$ 2,250.00	\$ 2,250.00	0.00%
BMP Cost-Share (general)	\$ 15,500.00	\$ 14,656.00	-5.45%
BMP TA & Admin	\$ 25,521.00	\$ 25,521.00	0.00%
Community TA	\$ 3,000.00	\$ 3,000.00	0.00%
Water Resource Educator	\$ 6,000.00	\$ 6,300.00	5.00%
Website	\$ 750.00	\$ 750.00	0.00%
Inspection and Tracking Database	\$ 900.00	\$ 900.00	0.00%
<b>Project Total</b>	<b>\$ 66,121.00</b>	<b>\$ 65,577.00</b>	<b>-0.823%</b>
<b>WATER MONITORING</b>			
Water Monitoring	\$ 20,749.00	\$ 21,293.00	2.62%
<b>Water Monitoring Total</b>	<b>\$ 20,749.00</b>	<b>\$ 21,293.00</b>	<b>2.622%</b>
<b>LONG TERM PROJECT SAVINGS</b>			
Water Monitoring - Set aside for equipment rep	\$ 1,000.00	\$ 1,000.00	0.00%
WMP Update	\$ 6,000.00	\$ 6,000.00	0.00%
<b>Savings Total</b>	<b>\$ 7,000.00</b>	<b>\$ 7,000.00</b>	<b>0.00%</b>
<b>MSCWMO Member Contribution Budget</b>	<b>\$ 133,070.00</b>	<b>\$ 133,070.00</b>	<b>0.00%</b>





MEMORANDUM

TO: Middle St. Croix WMO Board of Managers  
FROM: Mike Isensee, Administrator  
DATE: September 13, 2018

RE: 6d) Manchu Tubergourd Invasive Vine Infestation

An invasive species is new to Minnesota, first recorded in Stillwater in 2013 within the MSCWMO. At the time little was known about the species; it was treated and thought to be eradicated. Unfortunately, it was not gone. Over the last 5 years it has become a 2 acre infestation, covering all of the ground and climbing 20 feet or more into the trees, smothering everything.



This infestation is along a stream that flows directly to Lake St. Croix. This is a major risk to the recreational value of Lake St. Croix.

Discovered in July, the Washington Conservation District coordinated a meeting at the site with the City, local nonprofits, and local plant experts. The Department of Agriculture Invasive Species coordinator declined to attend. The WCD has put together an aggressive plan to use chemical herbicide and mechanical removal (pulling). But there is very little information about what works for chemicals and it is very resilient because it creates tubers (like little potatoes) that survive many herbicide treatments. In August they discovered that 100 square feet contained 148 tubers and it took an hour to clear, leaving the soil completely bare and totally disturbed (from removing the little potatoes).

The importance of eradicating this infestation for all who live or recreate on the St. Croix can not be overstated. Staff are asking the board to consider contributing resources to the effort that will be used to secure additional resources, conduct outreach to effected landowners, apply herbicide, conduct mechanical removal, and revegetate infected areas.

Discussion

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## MEMORANDUM

**TO:** Middle St. Croix WMO Board of Managers  
**FROM:** Mike Isensee, Administrator  
**DATE:** September 13, 2018  
**RE:** 7a) Stillwater County Club Water Quality Improvement Project

The Lake St. Croix Direct Discharge Subwatershed Analysis identified a large area of Stillwater that is conveying stormwater directly to Lake St. Croix without treatment. This area, located on the south side of the Stillwater Country Club has many potential locations to reduce up to 9 pounds per year to Lake St. Croix.

No board motion. Information only.

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**TO:** Stillwater County Club Board of Directors

**FROM:** Mike Isensee, Administrator

**DATE:** August 3, 2018

**RE:** Stormwater Management South of the Club House Parking Lot between 4<sup>th</sup> Street North and 3<sup>rd</sup> Street North.

**Summary:** The Middle St. Croix Watershed Management Organization is requesting the Stillwater County Club to consider working collaboratively to reroute stormwater currently causing nuisance conditions on the properties south of the club house and provide water quality treatment on the southernmost end of the property. 100% of the project will be paid for by the watershed and the Stillwater County Club will receive stormwater volume control credit for up to 10,900 square feet (quarter acre) of future development activities.

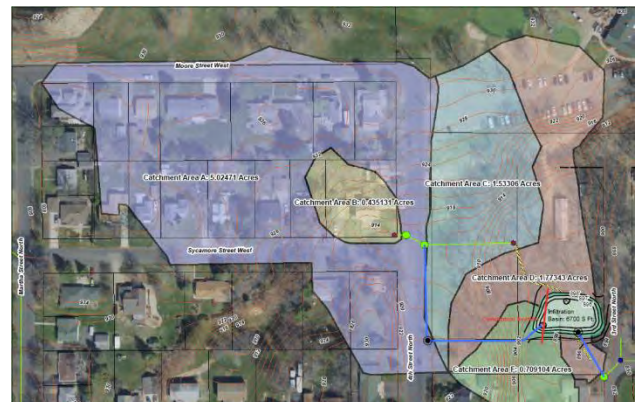


Figure 1: Proposed infiltration practice and drainage area.

**Background:** Stormwater from portions of Moore Street W, Sycamore Street W, and 4<sup>th</sup> Street N, currently drain to a catch basin located on the east side of the intersection of 4<sup>th</sup> Street and Sycamore Street West. This stormwater is conveyed by a stormwater pipe directly east and outlets in the middle of the two wooded lots south of the club house. The stormwater then flows south west through the woodland in a gully, where it eventually discharges into a catch basin located on 3<sup>rd</sup> Street North. That catch basin then conveys a large amount of sediment, phosphorous, and nitrogen directly to Lake St. Croix without treatment.

The MSCWMO has Clean Water Fund grant funding from the State of Minnesota and funding from Washington County to design, install, and maintain projects that address stormwater pollution discharging the Lake St. Croix.

**Proposed Project:** The MSCWMO working in partnership with the City of Stillwater and the Stillwater County Club proposes the following actions to reroute and treat stormwater at this location:

1. Remove the pipe discharging stormwater onto the County Club's Property.
2. Install a new pipe in City right of way to convey the water south along 4<sup>th</sup> St. N., then east within City right of on the south side of the wooded lots.
3. Install a shallow stormwater bioinfiltration basin on the south side of the Country Club's wooded lot to treat the stormwater before it discharges to Lake St. Croix.

**Items to Consider and Discuss:**

- Funding is available to pay for the design and installation of the project until December 2019.
- The project will eliminate the stormwater currently discharging in the middle of the County Club property that has caused a large wet area and a gully.
- The infiltration area will use approximately 7,000 square feet, or 15% the southernmost end of the 1 acre lot. The infiltration area will require a drainage and utility easement.
- When the Stillwater County Club has a project that reconstructs or adds 6,000 square feet or more of impervious surface (parking lot, roofs, driveway, paths, etc.) volume control is required. As part of the design of the basin, the watershed will incorporate additional storage for credit for future projects that create up to 10,900 square feet (quarter acre) of new or reconstructed impervious surface.
- The MSCWMO will conduct annual operations and maintenance of the basin until such time that the Country Club utilizes the credits for new or redevelopment, then the maintenance will transfer to the Stillwater Country Club.

**Proposed Timeline (if approved)**

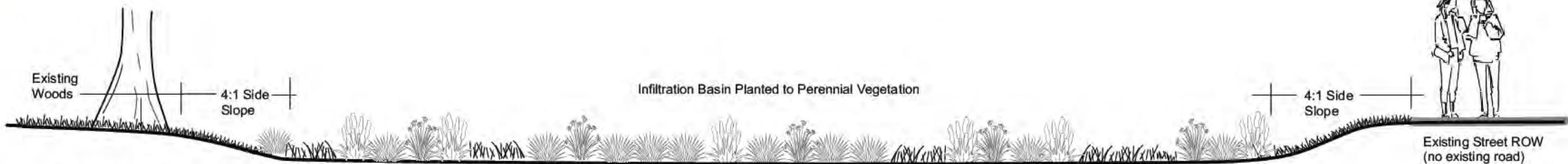
September 2018 Legal Agreement between MSCWMO and Stillwater Country Club

November 2018 60% Plan Review

January 2019 Complete Plans and Bid Documents

Summer of 2019 Construction





1 Conceptual Section  
Not To Scale





MEMORANDUM

**TO:** Middle St. Croix WMO Board of Managers  
**FROM:** Mikael Isensee, Administrator  
**DATE:** September 13, 2018

**6b) 2014 Clean Water Fund Grant Project- Greeley Gully Stabilization Project**

**Background**

In 2014 the MSCWMO was awarded a \$109,000 Clean Water Fund Grant to continue to install water quality improvement projects in the Lily Lake Watershed. In 2015 the City of Stillwater and MSCWMO agreed the stabilization of the Greeley Gully was the highest priority project in the Lily Lake Watershed. Project concepts, survey, design, and legal agreements were completed and approved by the MSCWMO February 7, 2017.

**The Project**

The project reduces 40.0 lbs. total phosphorus per year discharging to Brick Pond, then to Lily Lake. The project diverts all stormwater runoff away from the gully and into a large bioretention basin. To achieve this, Stillwater Area Public Schools voluntarily agreed to place a diversion berm and stormwater infiltration basin on their property at 1875 Greeley Street S. The basin overflows to a new pipe connected to the existing City stormwater system. The soil excavated to construct the infiltration basin was used to partially fill the gully.

**Agreement**

To complete this project, a legal agreement between the MSCWMO, City of Stillwater, and Stillwater Schools was executed in February, 2017 that outlines the following conditions:

1. School District agrees to place the diversion berm and infiltration basin on their property.
2. School District will provide construction administration (quotes, contracts, and payments).
3. MSCWMO will provide construction quality control, installation of plants (utilizing Minnesota Conservation Corps), and first two years maintenance of the project, which is standard for all MSCWMO grant projects.
4. MSCWMO will retain records of a volume control credit of 1,744 cubic feet for new or redevelopment on the School District property for 15 years.
5. The MSCWMO will reimburse the School District for project installation costs (from the grant).
6. City agrees to the installation of the stormwater pipe across Anez Park and connection to existing City stormwater system.
7. City will provide maintenance for years 3-15, or until such time that the volume control credit is used.
8. City will reimburse the School District for project installation costs for a total not to exceed \$30,000.00.

**Final Payment**

The project is fully constructed and technical staff recommends reimbursement to Stillwater Schools for \$73,463.00 based on a final payment voucher from Miller Excavating for \$103,463.00.

This project completes the expenditures and match for the 2014 Clean Water Fund Grant. Final reporting and reimbursements from the Board of Water and Soil Resources will be completed in November.

### **Greeley Gully Stabilization Final Payment Request**

Motion by Board Member 1, seconded by Board Member 2, to approve final payment of \$73,463.00 for the installation of the Greeley Gully stabilization project.



MEMORANDUM

**TO:** Middle St. Croix WMO Board of Managers  
**FROM:** Mikael Isensee, Administrator  
**DATE:** September 13, 2018

**7c) 2015 Clean Water Fund Grant Project- Stillwater Junior High School Bioretention and Iron Enhanced Sand Filtration Basin**

In 2015 the MSCWMO was awarded a \$142,000 Clean Water Fund Grant to install water quality improvement projects in the Lake St. Croix Direct Watershed.

In 2015 the MSCWMO partnered with the City of Oak Park Heights to install 8 bioretention basins. These projects were completed in 2016 and funding reimbursement was issued from this Clean Water Fund Grant.

In 2016 and 2017 the MSCWMO partnered with Stillwater Schools to design a filtration basin at the Stillwater Middle School at 523 Marshal Street West, Stillwater. The basin intercepts and treats 12.81 acres of urban runoff. Modeling indicates the proposed basin will reduce annual phosphorous discharges to Lake St. Croix by 15.10 lbs. per year. The project was bid and awarded by the school district in 2017 and substantially installed between April and June 2018.

Stillwater Schools is requesting reimbursement of \$92,388.05 based on a final payment voucher from Miller Excavating for \$108,965.00. MSCWMO staff have confirmed the project was constructed per plan and recommend reimbursement.

This project completes the expenditures and match for the 2015 Clean Water Fund Grant. Final reporting and reimbursements from the Board of Water and Soil Resources will be completed in November.

Stillwater Junior High Filtration Basin and Bioretention Basin

Motion by Board Member 1, seconded by Board Member 2, to approve payment of \$92,388.05 to Stillwater Schools based on a final payment voucher from Miller Excavating for \$108,965.00 for the construction of the Stillwater Junior High Schools biofiltration and iron enhanced sand filter basin.



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## MEMORANDUM

**TO:** Middle St. Croix WMO Board of Managers  
**FROM:** Mikael Isensee, Administrator  
**DATE:** September 13, 2018

### 7d) FY2019 Clean Water Fund Grant Applications

On August 31, 2018 the MSCWMO submitted two FY2019 Clean Water Fund Grants:

#### Completing Lily Lake Phosphorus Load Reductions

\$1,296,500.00 grant to complete the watershed and in lake load reductions for Lily Lake (based on the finding of the Lily Lake Impaired Waters Deslisting Road Map <http://www.mscwmo.org/subwatershed-assessments> ). The grant requires \$324,125 match and proposed to complete design, installation and in-lake treatment by 2021.

#### Lake St. Croix Small Communities Urban Phosphorous Reductions

\$200,000 grant to implement practices identified in the Lake St. Croix Direct Discharge South Subwatershed Analysis <http://www.mscwmo.org/subwatershed-assessments> . This grant is focused for MSCWMO communities located south of Bayport. The grant requires \$50,000 match to complete designs and install projects by 2021.

Update only. No board motion required.