

**South Washington Watershed District-Regular Meeting  
Tuesday, April 9, 2024 5:00 p.m.\***

**City of Woodbury Public Works building  
2301 Tower Drive**

**\*Note the change in meeting start time**

## **AGENDA**

- 1) Call to Order and Setting of Agenda
- 2) Public Open Forum
- 3) Consent Agenda
- 4) Manager Reports
- 5) Administrators Report
  - a) Project Update
  - b) Staffing Update
- 6) SWWD Lake and Creek Management Plan
  - a) Discussion: SWWD Lake & Creek Management Plan, Barr Task Order 2024-002
  - b) Decision: SWWD Lake & Creek Management Plan, Barr Task Order 2024-002
  - c) Discussion: Lake Management Plan Woodbury Cooperative Agreement
  - d) Decision: Lake Management Plan Woodbury Cooperative Agreement
- 7) 2024 Coordinated Capital Improvement Program Grants
  - a) Discussion: 2024 Coordinated Capital Improvement Program Grants
  - b) Decision: Authorize the SWWD Deputy Administrator to Execute Agreements for Approved Projects
- 8) 2023 SWWD Annual Report
  - a) Discussion: 2023 SWWD Annual Report
  - b) Decision: 2023 SWWD Annual Report
- 9) City of Woodbury, La Lake Request
  - a) Discussion: La Lake Request
  - b) Decision: La Lake Request
- 10) Personnel Discussion

Post Until 4/10/2024

11) Future Business and Meetings

- a) Regular Board Meeting, Tuesday, April 9, 2024 **5pm**
- b) Watershed Management Plan Workshop, Tuesday, April 9, 2024 after meeting
- c) Regular Board Meeting, Tuesday, May 14, 2024 6pm
- d) Joint Meeting with Cities of Woodbury and Cottage Grove, Wednesday, May 29, 2024 5pm
- e) Regular Board Meeting, Tuesday, June 11, 2024 6pm
- f) SWWD CAC Meeting, Tuesday, June 25, 2024 5:30pm
- g) Minnesota Watersheds Summer Tour, June 25-27, 2024
- h) SWWD Board Tour-Spring TBD

12) Adjourn

**Consent Agenda-April 9, 2024**

- a) Approval of Minutes
  - i) 3/19/2024 Regular Meeting
- b) Treasurers Report
  - i) Accounts payable March 24
  - ii) Financials year to date and Fund Balances
  - iii) Morcon Pay Request #6
- c) Calendar/Meetings
  - i) Regular Board Meeting, Tuesday, April 9, 2024 **5pm**
  - ii) Watershed Management Plan Workshop, Tuesday, April 9, 2024 after meeting
  - iii) Regular Board Meeting, Tuesday, May 14, 2024 6pm
  - iv) Joint Meeting with Cities of Woodbury and Cottage Grove, Wednesday, May 29, 2024 5pm
  - v) Regular Board Meeting, Tuesday, June 11, 2024 6pm
  - vi) SWWD CAC Meeting, Tuesday, June 25, 2024 5pm
  - vii) Minnesota Watersheds Summer Tour, June 25-27, 2024
  - viii) SWWD Board Tour-Spring TBD
- d) Development Reviews
  - i) Final
    - (1) Red Rock II, Newport
  - ii) On Going
    - (1) Erin Glen, Denmark Township
    - (2) La Lake/Bailey Meadows, Newport
  - iii) New
    - (1) None
- e) Wetland Conservation Act
- f) Cost Share Program
- g) Miscellaneous Correspondence

Post Until 4/10/2024



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item a</b>
<b>Title:</b> SWWD Board Minutes	<b>Board Action Requested:</b> Approval of Minutes: 3/19/2024 Regular Meeting	<b>Required Signatures</b> SWWD Secretary
<b>Reviewed by:</b> JHL		
<b>Background/Justification:</b>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> N/A		<b>Comments:</b>
<b>Fund</b> N/A	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                              No Recommendation	<b>Comments</b>

**Regular Meeting**  
**South Washington Watershed District**  
**Tuesday, March 19, 2024 6:00 p.m.**  
**City of Woodbury Public Works Building**

**1. Call to Order and Setting of Agenda**

Manager Johnson called the meeting to order at 6:00 p.m. A motion was made by Manager ChapdeLaine to remove item the Wetland Conservation Act Notice of Decision for Mississippi Landing Wetland Replacement Plan from the Consent Agenda to the item 4a under the regular agenda. Manager Madigan seconded. Motion carried unanimously.

A motion was made by Manager ChapdeLaine to move agenda items: #9-2024 Construction Erosion & Sediment Control Inspections, WCD Task Order 2024-001, #10-Amendment 2, Cooperative Agreement for Enhanced Street Sweeping with the City of Woodbury, and Item#11-Erosion & Sediment Control Inspection App Maintenance Task Order Stantec 2024-001 to the Consent Agenda. Manager Doucette seconded. Motion carried unanimously.

**Roll Call:**

- Brian Johnson, President
- Sharon Doucette, 1<sup>st</sup> Vice President
- Emily Stephens, 2<sup>nd</sup> Vice President
- Kevin ChapdeLaine, Treasurer
- Mike Madigan, Secretary

**Staff:**

- John Loomis, Deputy Administrator
- Melissa Imse, Operations Manager
- Tony Randazzo, Watershed Restoration Specialist
- Kyle Axtell, BMP Project Specialist

**Others:**

- Bonnie Matter, Washington County Resident

- 2. Public Open Forum** Ms. Bonnie Matter, a Washington County Resident was present and provided statements and questions on the Mississippi Landing housing development in Grey Cloud Island and Cottage Grove. Ms. Matter's letter is attached to the minutes as a matter of public record.

**3. Consent Agenda**

Items on the Consent Agenda include: February 13, 2024 Regular Board meeting minutes, February Claims Roster and Treasurer's Report: accounts payable \$338,236.78, accounts receivable \$61,276.24, 4M fund balance \$12,220,963.17, Morcon Pay Request #5 \$37,537.88, Calendar of Events, Development Reviews, Miscellaneous Correspondence, and #9-2024 Construction Erosion & Sediment Control Inspections, WCD Task Order 2024-001, #10-Amendment 2, Cooperative Agreement for Enhanced Street Sweeping with the City of Woodbury, and Item#11-Erosion & Sediment Control Inspection App Maintenance Task Order Stantec 2024-001. A motion was made by Manager ChapdeLaine to approve the consent agenda as amended. Manager Madigan seconded. Motion carried unanimously.

**4. Manager's Report**

**Manager Johnson**—Manager Johnson reported that he attended the City of Woodbury quarterly meeting, the Grey Cloud Island Township Annual meeting, the City of

Woodbury's Environmental Stewardship Committee meeting, and the Minnesota Watersheds Legislative event.

**Manager Doucette**—None.

**Manager Stephens**—None.

**Manager ChapdeLaine**—None.

**Manager Madigan**—Manager Madigan reported that he toured the water treatment sites within the Cities of Woodbury and Newport.

**Minnesota Wetland Conservation Act Notice of Decision, Wetland Replacement Plan for Mississippi Landing, Rachel Development.**

Included in the board packet was the Minnesota Wetland Conservation Act Notice of Decision on the Wetland Replacement plan for Mississippi Landing and Rachel Development. SWWD is the Local Governing Unit (LGU) for Minnesota Wetland Conservation Act. The managers reviewed the Technical Evaluation Panel's (TEP) findings and recommendations on the Notice of Decision for the Wetland Replacement plan for Mississippi Landing.

The TEP met on January 25, 2024 and provided multiple comments about Wetland impact avoidance and minimization to the applicant. The applicant revised the application and submitted the following:

Minimization Alternative #3 (Remove Road C) -This alternative attempts to minimize impact to WB-01-B by moving Road C to a new location (further to south and not shown on this figure) and instead constructing home lots to the south of WB-01B. This alternative reduces impact to the wetland by 1,124 sf by being able to shift the fill slope further south. However, with this alternative:

- The sewer line from the cul-de-sac in this area would need to run along the north property line of adjusted lots within a 3:1 slope.
- Moving the sewer main line further south and out of the 3:1 sloping area would require it to be buried more than 12 feet deeper into bedrock-which would present installation and long-term City maintenance challenges for the main and services and was therefore rejected as a design option.

This area also includes a storm sewer culvert that maintains flow from WB-01-C to WB-01-B. For stability reasons, the culvert must discharge into WB-01-B at the lowest point, which is the south wetland edge. Therefore, a second utility line near the sewer main line is needed.

- With elimination of Road Casa stormwater collection source, an additional storm sewer line would be needed to collect the runoff from the rear yards before discharging to WB-01-B. Therefore, a third utility line near the sewer main line is needed.
- Three overlapping utility lines within 3:1 sloping topography are not preferred from an engineering, access, or maintenance perspective with this minimization alternative.

Proposed Alternative/Minimization Alternative #4 (Road A Crossing Design Change)  
This alternative minimizes impact to WB-01-B (reduced by 824 sf) and WB-01-C (reduced by 644 sf) by 1,468 sf total. The project engineer reached out the city to request flexibility in the standard road design for this specific location. The City has agreed with an atypical road section where fill side slopes will be allowed to begin sloping downward starting from the back of the curb where adjacent to wetlands. With this change, side slopes widths are narrower, thereby reducing wetland impacts. Impact Areas WB-01-C and WB-01-D Contiguous trails within natural areas that connect development neighborhoods (and to the surrounding community) and which are accessible/usable by all are a required public value component of this master planned project. Impacts to WB-01-C and WB-01-D result from upgrading the existing cart path crossing to meet current City/MN DOT trail safety standards {8-ft wide bituminous trail with a 5-ft 6:1 sloping bench, which then transitions to 3:1 slopes). Impacts have been minimized to the extent possible by utilizing the narrowest existing cart path crossing in this area of the site while matching existing grades thereby providing a consistent elevation trail for safety and which allows access for all users. Total wetland impacts under alternative #4

would be **20,104 SF** and mitigation would occur through purchase of banking credits. The TEP recommends approval of the amended application and proposed alternative #4.

A motion was made by Manager Madigan to approve the Minnesota Wetland Conservation Act Notice of Decision, Wetland Replacement Plan for Mississippi Landing, Rachel Development. Manager Stephens seconded. Motion carried unanimously.

**5. Administrator Report**

**SWWD Project Updates.** Included in the board packet are project updates on: Trout Brook, Glacial Valley Park and Open space, Campus Greening, Wilmes Lake Alum Treatment Facility, Hasenbank Woods/Powers Lake BMP, St. Paul Park Public Works Underground BMP, Markgrafs Lake Retrofit Analysis, Northern Watershed/CDSF/East Ravine Review and Optimization, Cottage Grove Ravine Regional Park, St. Croix Bluffs Regional Park, CR74-65<sup>th</sup> and Geneva, Watershed Plan Update, and In-Lake AIS Management.

**6. St. Paul Park 7<sup>th</sup> Avenue Underground BMP.** SWWD was successful in securing approval of \$228,539 in funding for this project by the South Washington WBIF convene committee in February. A BWSR grant agreement should be in place by July or August. The Board review three items related to the project:

1) HR Green has completed plans and specifications, which have been reviewed and approved by SWWD staff and the City of St. Paul Park. A motion was made by Manager ChapdeLaine to accept the plans and specifications and authorize staff and HR Green to solicit contractor bids for the project. Manager Doucette seconded. Motion carried unanimously.

2) A Memorandum of Understanding between SWWD and the City of St. Paul Park is required to establish SWWD's access to the City right-of-way and fiscal and O&M responsibilities for the project. The City has already approved the MOU. A motion was made by Manager ChapdeLaine to approve the Memorandum of Understanding between SWWD and the City of St. Paul Park. Manager Doucette seconded. Motion carried unanimously.

3) Washington County has been unable to provide sufficient onsite water quality treatment to meet SWWD regulatory standards for its Red Rock II development in Newport, requiring alternative compliance sequencing. This has resulted in a payment in lieu of treatment (\$26,940) that SWWD wishes to apply toward the St. Paul Park Underground BMP. A motion was made by Manager ChapdeLaine to approve the Memorandum of Understanding with Washington County for the Red Rock II development. Manager Doucette seconded. Motion carried unanimously.

**7. Hasenbank Stormwater Park.** AE2S is the City of Woodbury's preferred SCADA contractor and will provide necessary services to integrate and connect the Hasenbank stormwater park lift station into the City's operations. Total cost of AE2S's proposal \$11,400. A motion was made by Manager Madigan to approve the notice to proceed for AE2S to support lift station design and SCACA integration for up to \$11,400. Manager ChapdeLaine seconded. Motion carried unanimously.

The managers reviewed the contract from Diversity Landworks for goat grazing in Hasenbank Woods. Grazing will occur in spring or early summer to target garlic mustard and buckthorn resprouts. Total cost of the contract is \$6,465.55. A motion was made by Manager ChapdeLaine to approve the goat grazing contract with Diversity Landworks for up to \$6,465.55. Manager Doucette seconded. Motion carried unanimously.

**8. Wilmes Alum Treatment Facility Landscape Restoration.** Staff released a Request for Quotes to a large pool of potential contractors for native restoration work at the Wilmes Lake Alum Facility project site. Eight quotes were received. Minnesota Native

Landscapes (MNL) is the presumptive low quote and has been found to be responsive. A motion was made by Manager Madigan to approve the contract with MNL to complete the work for an amount not to exceed \$77,251.00. Manager Stephens seconded. Motion carried unanimously.

9. **2024 Construction Erosion & Sediment Control Inspections, Washington Conservation District Task Order 2024-001.** The item was approved under the Consent Agenda.
10. **Amendment 2, Cooperative Agreement for Enhanced Street Sweeping with the City of Woodbury.** The item was approved under the Consent Agenda.
11. **Erosion & Sediment Control Inspection App Maintenance, Stantec Task Order 2024-001.** The item was approved under the Consent Agenda.
12. **Glacial Valley Park (GVP).** The managers reviewed several items related to ongoing work at Glacial Valley Park.

Funding Agreement between SWWD and Washington Conservation District (WCD). Through the agreement, WCD will reimburse SWWD for up to \$20,000 of expenses related to ongoing restoration and enhancement work with grant funds from the National Fish and Wildlife Foundation. A motion was made by Manager Doucette to approve the funding agreement with Washington Conservation District for \$20,000 of grant funds through the National Fish and Wildlife Foundation. Manager Stephens seconded. Motion carried unanimously.

The managers reviewed plans for a paved regional trail connecting Woodbury and Cottage Grove trail systems through Glacial Valley Park. A motion was made by Manager Stephens to authorize staff to seek bids for the work. Manager Doucette seconded. Motion carried unanimously. SWWD Staff intends to let the project out for bid later this spring once details on the development south of GVP are finalized. After bidding, we will bring the project back to the Board for contract award.

The managers reviewed the proposal from Native Resource Preservation for tree and shrub clearing along the Glacial Valley Park fence lines. This work will clear the trail construction area in advance of potential summer restrictions due to northern long ear bat protection and support ongoing restoration efforts. A motion was made by Manager ChapdeLaine to approve the proposal from Native Resource Preservation for up to \$14,719.95. Manager Doucette seconded. Motion carried unanimously.
13. **SWWD Administrator Appointment, Resolution 2024-002.** A motion was made by Manager ChapdeLaine to approve Resolution 2024-002 appointing John Loomis as the SWWD Administrator effective May 2, 2024. Manager Doucette seconded. Motion carried unanimously.
14. **Closed Session. Personnel Discussion.** A motion was made by Manager Madigan suspend the regular meeting and to open the close the meeting to discuss Agenda Item 14 (Personnel Discussion) under section 13D.05, subdivision two (a) (4) to review medical information. Manager ChapdeLaine seconded. Motion carried unanimously. After review of medical records, Manager Johnson reopened the regular meeting.

As a result of Matt Moore suffering serious injuries from a fall outside of work and if Matt is unable to return to work prior to his announced retirement date of May 2, 2024, a motion was made by Manager Johnson to grant Matt Moore 13 days of additional PTO. In the event that Matt Moore is able to return to work, the additional PTO would cease and he would be paid in the ordinary course of his employment. Manager Madigan seconded that motion. The motion carried unanimously.
15. **Future Business and Meetings.**

- a) Regular Board Meeting, Tuesday, March 19, 2024 6pm
- b) CAC Meeting, Tuesday, March 26, 2024 5pm
- c) Regular Board Meeting, Tuesday, April 9, 2024 **5pm**
- d) Watershed Management Plan Workshop, Tuesday, April 9, 2024 after meeting
- e) Regular Board Meeting, Tuesday, May 14, 2024 6pm
- f) SWWD Board Tour-Spring TBD

**16. Adjourn**

The next regular Board Meeting will be held on Tuesday, April 9<sup>th</sup> at **5:00 pm**. A motion was made by Manager Johnson to adjourn at 7:51 p.m. Manager ChapdeLaine seconded. Motion carried unanimously.

Respectfully submitted,

*Melissa Imse*

Melissa Imse, Operations Manager

Approved By:

\_\_\_\_\_  
Mr. Mike Madigan, Secretary

\_\_\_\_\_  
Date



HAND DELIVERED

6649 Inskip Avenue South  
Cottage Grove, MN 55016

March 19, 2024

South Washington Watershed District  
Technical Evaluation Panel (TEP)  
% Mr. John Loomis,  
SWWD Deputy Administrator  
City of Woodbury Public Works Building  
2301 Tower Drive  
Woodbury, MN 55125  
[john.loomis@woodburymn.gov](mailto:john.loomis@woodburymn.gov)  
651/714-3714  
[www.swwdmn.org](http://www.swwdmn.org)

Department of Natural Resources  
DNR Ecologist and Water Resources Division  
Mr. Daniel Scollan, Area Hydrologist  
Ramsey and Washington County  
SWWD Technical Panel  
City of Cottage Grove DNR Contact  
Mississippi River Corridor Critical Area Contact  
1200 Warner Road  
St. Paul, MN 55106  
651-259-5732  
[Daniel.Scollan@state.mn.us](mailto:Daniel.Scollan@state.mn.us)  
1200 Warner Road St Paul, MN 55106

Dear South Washington Watershed District Technical Panel Members:

I'm here this evening because I thought this group represented the "Water Protectors" for South Washington County.

I am trying to understand how a 377-unit housing development received the South Washington Watershed District's approval on land that is basically sand dunes. And I bring questions from county residents about the Mississippi Landing, (Grey Cloud) Cottage Grove, Minnesota, by Rachel Development, St. Michael, Minnesota.

Q: Since the soil is all sand, how will the acreage be stabilized with the removal of the 2,536 trees\*. Wouldn't that cause a massive amount of erosion and more sinkholes?

S: An area of fine grain sand dunes, significant erosion and sedimentation to the river. Water quality will suffer.

S: Building on land that is geologically a place that will require a considerable amount of soil amendments to even build homes; not to mention the ecological destruction that this development will bring.

Q: How will water quality and the Mississippi River be impacted by stormwater runoff from all the additional impervious surfaces like rooftops, cement sidewalks, driveways, roadways, lawn treatment chemicals, road treatments.

Q: Where is the storm water ponding between the homes closest-to-the-river and the Mississippi River? The current plans do not have any ponding for this location.

Q: Did you receive and review the Final technical evaluation for this most recent development plan. Was it compared to the Preliminary technical evaluation; Does it show where karst and bedrock exist? Are you confident that all springs and seeps have been accounted for on the Dunes Property? Does the Final technical evaluation include the Lift Station and the work required to move the waste through the BNSF railway corridor bridge and up the hill? Is the water source near the Cowan House (the future Lift Station) a known spring?

Q: How does the South Washington Watershed District view their role and responsibilities on this project?

Q: How does the DNR Hydrologist view his role and responsibilities on this project?

Q: What would drive enforcement on SWWD's and the DNR Hydrologist's part? Erosion, sinkholes, poor water quality AFTER the 2,536 trees have been removed from the land? AFTER irreparable damage has occurred to the land?

What would enforcement look like?

Are you aware of and did you review the Preliminary Development Agreement that the Cottage Grove City Council entered into with Rachel Development on September 6, 2023. A signed agreement that was not included with the project documentation at the Planning Commission Public Hearing on January 22, 2024 or with the Cottage Grove City Council Meeting on February 21, 2024?

I would like to leave this meeting this evening with your responses to these questions. I would also request a written response following the meeting.

Please add this letter and the written response to the Public Record for this project.

Thank you.

Bonnie Matter,  
Washington County Resident

SWWD Technical Evaluation Panel (TEP) for the Mississippi Landing  
Project

John Loomis, SWWD

Ben Meyer, BWSR

Matt Moore, SWWD

Kelly Pharis, DNR Wildlife

Jay Riggs, WCD

Dan Scollan, DNR Hydrologist

South Washington Watershed District Board Managers

Kevin ChapdeLaine

Sharon Doucette

Brian Johnson

Mike Madigan

Emily Stephens

### **South Washington Watershed District Mission Statement**

***“TO MANAGE WATER AND RELATED RESOURCES OF THE DISTRICT IN  
COOPERATION WITH OUR CITIZENS AND COMMUNITIES”***

\*Source: Preliminary Civil Drawings, Page 95 of 110 - Rachel Development - Mississippi Landing - Cottage Grove City Council Meeting Documents, February 21, 2024

Total Number of Onsite Trees: 3,931

**Removed** Number of Onsite Trees: **2,536 living trees**

Footnote: Total trees include all inventoried trees within the development site boundary. Some of the trees included do not classify as "significant" due to size and species. See full Tree Inventory List for specific Tree Removal Plan Sheet 104

Tree Preservation Notes:

Item #4. States: Dead, diseased, or dying significant trees were not included as part of the existing tree inventory.

Item #5. States: No trees shall be removed until this Tree Preservation Plan is approved by the City of Cottage Grove.

Source: Preliminary Civil Drawings, Page 95 of 110 - Rachel Development - Mississippi Landing - Cottage Grove City Council Meeting Documents, February 21, 2024



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item b</b>
<b>Title:</b> SWWD Monthly Accounting	<b>Board Action Requested:</b> <b>Approval of:</b> Treasurers Report Accounts payable for March 2024 Brian Johnson Per Diem Morcon Pay Request #6	<b>Required Signatures</b> SWWD Treasurer
<b>Reviewed by:</b> JHL		
<b>Background/Justification</b> Accounts Payable March 24: \$732,893.30 Accounts Receivable March 24: \$54,174.13 4M fund Balance March 24: \$11,947,847.81  Brian Johnson Per Diem: \$2,234.88  Morcon Pay Request #6: \$274,383.87		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> N/A		<b>Comments:</b>
<b>Fund</b> N/A	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                No Recommendation	<b>Comments</b>



# SOUTH WASHINGTON WATERSHED DISTRICT

**South Washington Watershed District  
Claims Roster  
March-24**

Vendor	Description	Invoice #	Amount
City of Newport	Stormwater Utility Fee Reimbursement	See Attached	\$ 50.00
City of Oakdale	CCIP	INV00905	\$ 23,044.00
City of Woodbury	CCIP	23-0712	\$ 351,440.51
City of Woodbury	Southwest Stormwater Resilience Study	23-0743	\$ 32,397.75
City of Woodbury	Computer Equipment	24-0103	\$ 918.91
City of Woodbury	April Rent	24-0129	\$ 3,429.27
City of Woodbury	Stormwater Utility Fee Reimbursement	24-0157	\$ 52.00
Edge Ecosystems	Spring Burns	1043	\$ 5,254.00
Brian Johnson	Jan-March 2024 Per Diem	See Attached	\$ 2,234.88
Minnesota Native Landscape	GVP Seed	43552	\$ 21,820.80
North Country Chevrolet GMC	SWWD Vehicle	SWASHWATER24-101	\$ 47,866.24
Native Resource Preservation LLC	GVP Tree Removal	536-5	\$ 5,590.59
Sarah Lilja	April Payment	See Attached	\$ 750.00
Stantec	SWWD Inspection App	2213045	\$ 1,963.50
Washington County	Stormwater Utility Set Up	224491	\$ 15,000.00
<b>Payroll, Benefits, and EFT Payments</b>	<b>18 EFT, 10 Direct Dep, 2 Checks</b>		<b>\$ 221,080.85</b>
Minnesota Life Ins. Co.	March 2024 Life Prem	Check	\$ 204.85
Madison National Life	March 2024 LTD and STD	Check	\$ 355.12
Health Partners	Insurance Premium	EFT	\$ 7,042.21
US Bank Credit Card	Credit Card Payment	EFT	\$ 1,117.29
US Bank Equipment	Copier Rental	EFT	\$ 200.84
Aaron Dysart	Hasenbank Artist Payment	228	\$ 27,500.00
Aaron Dysart	Hasenbank Artist Payment	230	\$ 10,000.00
Barr Engineering	Armstrong Wetland Monitoring	23821308.00-10	\$ 844.50
Barr Engineering	Hasenbank Powers BMP	23821287.00-22	\$ 5,035.50
Barr Engineering	WMP and Story Map Development	23821314.00-10	\$ 2,387.00
Barr Engineering	CDO Inspections	23821324.00-5	\$ 10,725.50
Hellmuth & Johnson Legal	February Legal Services	EFT	\$ 1,139.80
Hellmuth & Johnson Legal	Mary Ellen February Legal	EFT	\$ 140.00
Houston Engineering	Development Reviews Inv 69960	EFT	\$ 3,604.50
HR Green	Wilmes Inv 172929	EFT	\$ 13,210.25
HR Green	SPP BMP Assessment Inv 172750	EFT	\$ 1,167.00
Minnesota Native Landscape	Hasenbank Seed Order Inv 43396	EFT	\$ 8,685.00
Morcon	Wilmes Alum Treatment Facility Pay Request 5	EFT	\$ 37,537.88
Redpath and Company	February Payroll Inv 150485156	EFT	\$ 330.00
SRF Consulting	SWWD Learning Center INV 14121.00-39 Feb	EFT	\$ 4,916.53
SRF Consulting	Markgrafs INV 17114.00-5 Feb	EFT	\$ 2,559.54
SRF Consulting	CG Ravine Park INV 16923.00-7 Feb	EFT	\$ 11,303.75
Washington Conservation District	Jan Monitoring Inv 6425	EFT	\$ 18,609.07
Washington Conservation District	Jan Technical Services Inv 6432	EFT	\$ 2,435.00
Washington Conservation District	Feb Technical Services Inv 6451	EFT	\$ 2,139.00
	<b>Total</b>		<b>\$ 732,893.30</b>
<b>Accounts Receivable</b>	<b>Description</b>	<b>Check #</b>	<b>Amount</b>
4M	March Interest		\$ 54,174.13
	<b>Total</b>		<b>\$ 54,174.13</b>

Kevin ChapdeLaine, SWWD Treasurer	Date April 9, 2024

		<b>South Washington Watershed District</b>	
		2302 Tower Drive	
		Woodbury, MN 55125	
		Manager Per Diem and Expenses	
<b>Name:</b>	Brian Johnson		
<b>Address:</b>	4353 Dorchester Drive, Woodbury, MN 55125		
<b>Date Submitted:</b>	3/24/24		
	Date	Description	Mileage
<b>Meetings:</b>			
	1/9/24	Board Meeting	
	1/16/24	metro MN Watershed Meeting	
	1/17/24	Priority 2 PFAS Meeting	
	1/25/24	Woodbury Commission Meeting	8
	2/1/24	Woodbury ESP Meeting	
	2/7/24	Wash Co Water Consortium	
	2/13/24	Board Meeting	
	2/22/24	Woodbury ESP Meeting	
	2/23/24	Woodbury Commission Meeting	8
	3/4/24	Meeting with Legal	
	3/5/24	Meeting with Matt	49
	3/6/24	MN Watersheds Legislative Event	26
	3/7/24	Meeting with Legal	
	3/8/24	Meeting with Mike, Jack and Matt	49
	3/12/24	Meeting at Grey Cloud Island	24
	3/14/24	Woodbury ESP Meeting	
	3/19/24	Board Meeting	
Total #of Meetings	17		
\$125.00/Day	125		
<b>Total Per Diem</b>	<b>\$2,125.00</b>		
<b>Expenses</b>			
Mileage:	164		
\$0.67/mile			
<b>Total Mileage</b>	<b>\$109.88</b>		
<b>Meals:</b>			
<b>Lodging:</b>			



<b>Other:</b>				
<b>Total Per Diem</b>	<b>\$2,234.88</b>			
<b>*Signature:</b>	<i>Brian Johnson</i>			
<b>SWWD Treasurer:</b>				
<b>* By signing this per diem form, I certify that this request for per diem and expenses is true and correct according to adop</b>				



▷ 2550 University Avenue West | Suite 400N | St. Paul, MN 55114  
Main 651.644.4389 + Fax 651.644.9446

▷ [HRGREEN.COM](https://www.hrgreen.com)

April 1, 2024

Kyle Axtell  
BMP Project Specialist  
South Washington Watershed District  
2302 Tower Drive  
Woodbury, MN 55125

Re: Wilmes Alum Treatment Facility: Morcon Payment Request #6

Dear Mr. Axtell,

Morcon is requesting payment of \$274,383.87 for the work completed as of March 28<sup>th</sup>, 2024. I recommend payment to Morcon for the quantities completed to-date (*see attached*) in the amount of \$274,383.87. This amount represents the total amount completed less the 5% retainage of \$14,441.26. Construction on the chemical building and duct bank is progressing and partial payments are warranted.

Final Completion and acceptance of work is expected to be in the fall of 2024.

Please let me know if you have any questions.

Sincerely,

**HR GREEN, INC**

A handwritten signature in black ink that reads "Bridget Osborn".

**Bridget Osborn, PE, CFM – Project Manager**

**APPLICATION AND CERTIFICATION FOR PAYMENT**

AIA DOCUMENT G702

PAGE ONE OF TWO PAGES

TO OWNER:  
 South Washington Watershed District  
 2302 Tower Dr. - Woodbury, MN 55125

PROJECT: Wilmes Lake  
 Stormwater Treatment

APPLICATION NO: 6

Distribution to:  
 OWNER  
 ENGINEER  
 CONTRACTOR  
 MORCON

PERIOD TO: 28-Mar-24

FROM CONTRACTOR:  
 Morcon Construction Co., Inc  
 5151 Industrial Blvd. N.E.  
 Fridley, MN 55421

VIA ENGINEER: HR Green

MORCON INVOICE NO. TH-23-088-6

CONTRACT FOR: Wilmes Lake Stormwater Treatment Facility

**CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for payment, as shown below, in connection with the Contract.  
 Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$	4,309,868.00
2. Net change by Change Orders	\$	115,386.96
3. CONTRACT SUM TO DATE (Line 1 + 2)	\$	4,425,254.96
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	2,901,169.04
5. RETAINAGE:		
a. 5 % of Completed Work (Column D + E on G703)	\$	145,058.45
b. % of Stored Material (Column F on G703)	\$	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)	\$	145,058.45
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$	2,756,110.58
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	2,481,726.71
8. CURRENT PAYMENT DUE	\$	274,383.87
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	1,669,144.38

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$115,386.96	
Total approved this Month	\$0.00	
<b>TOTALS</b>	<b>\$115,386.96</b>	
<b>NET CHANGES by Change Order</b>		<b>\$115,386.96</b>

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: MORCON CONSTRUCTION CO, INC.

By: [Signature] Date: 3/28/2024

State of: MINNESOTA  
 Subscribed and sworn to before me this 28  
 Notary Public: Julie R. Powers  
 My Commission expires: 1-31-2028

County of: ANOKA  
 day of MARCH



Julie R Powers  
 Notary Public  
 Minnesota  
 My Commission Expires January 31, 2028

**ARCHITECT'S CERTIFICATE FOR PAYMENT**

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED . . . . . \$ 274,383.87

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ENGINEER:  
 By: Bridget Osborn Date: 4.1.24

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

# CONTINUATION SHEET

AIA DOCUMENT G703

2 PAGE OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

APPLICATION NO: 6

Contractor's signed certification is attached.

APPLICATION DATE: 3/28/24

In tabulations below, amounts are stated to the nearest dollar.

PERIOD TO: 3/28/24

Use Column I on Contracts where variable retainage for line items may apply.

ARCHITECT'S PROJECT NO:

A ITEM NO.	B DESCRIPTION OF WORK	C Bid Qty	D Unit Price	E SCHEDULED VALUE	F Actual Qty	G WORK COMPLETED		I MATERIALS PRESENTLY STORED (NOT IN D OR E)	J TOTAL COMPLETED AND STORED TO DATE (D+E+F)	K % (G ÷ C)	L BALANCE TO FINISH (C - G)	M RETAINAGE (IF VARIABLE RATE) 5.00%
						FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD					
						00001	Mobilization					
00002	Clearing / Grubbing	1		\$5,380.00	1	\$5,380.00	\$0.00		\$5,380.00	100.00%	\$0.00	\$269.00
00003	Tree Removal	19	\$500.00	\$9,500.00	19	\$9,500.00	\$0.00		\$9,500.00	100.00%	\$0.00	\$475.00
00004	Traffic Control	1		\$36,000.00	1	\$36,000.00	\$0.00		\$36,000.00	100.00%	\$0.00	\$1,800.00
00005	Excavating & Grading	38,459	\$20.00	\$769,180.00	38459	\$769,180.00	\$0.00		\$769,180.00	100.00%	\$0.00	\$38,459.00
00006	De-Watering	1		\$23,200.00	1	\$23,200.00	\$0.00		\$23,200.00	100.00%	\$0.00	\$1,160.00
00007	Remove Existing Trail	1,250	\$4.70	\$5,875.00	1250	\$5,875.00	\$0.00		\$5,875.00	100.00%	\$0.00	\$293.75
00008	Remove and Replace Curb and Gutter	78	\$58.50	\$4,563.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$4,563.00	\$0.00
00009	Concrete Pad	3.30	\$4,500.00	\$14,850.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$14,850.00	\$0.00
00010	Trail Reconstruction	1,920	\$40.00	\$76,800.00	960	\$38,400.00	\$0.00		\$38,400.00	50.00%	\$38,400.00	\$1,920.00
00011	Permeable Articulated Concrete Block	1,113	\$20.50	\$22,816.50	0	\$0.00	\$0.00		\$0.00	0.00%	\$22,816.50	\$0.00
00012	Lift Station and Valve Vault	1		\$703,439.00	0.9	\$633,095.10	\$0.00		\$633,095.10	90.00%	\$70,343.90	\$31,654.76
00013	<b>Chemical Building &amp; Equipment</b>	1										
00013A	Division 03 CIP Concrete	1		\$125,000.00	0.88	\$110,000.00	\$0.00		\$110,000.00	88.00%	\$15,000.00	\$5,500.00
00013B	Division 03 PreCast Concrete	1		\$26,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$26,000.00	\$0.00
00013C	Division 04 Masonry	1		\$115,000.00	0.56	\$0.00	\$65,000.00		\$65,000.00	56.52%	\$50,000.00	\$3,250.00
00013D	Division 05 Metals	1		\$48,000.00	0.31	\$0.00	\$15,000.00		\$15,000.00	31.25%	\$33,000.00	\$750.00
00013E	Division 06 Structural Composites & FRP Grating	1		\$28,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$28,000.00	\$0.00
00013F	Division 07 Wtp/Insul/Air Barriers	1		\$30,000.00	0.75	\$22,700.00	\$0.00		\$22,700.00	75.67%	\$7,300.00	\$1,135.00
00013G	Divisions 07 Composite Panles/Rainscreen/SM	1		\$260,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$260,000.00	\$0.00
00013H	Division 07 Fire/Smoke/Joint Sealers	1		\$7,500.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$7,500.00	\$0.00
00013I	Division 08 HM Doors & Hardware	1		\$25,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$25,000.00	\$0.00
00013J	Division 08 Floor Hatches	1		\$15,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$15,000.00	\$0.00
00013K	Division 08 Aluminum Windows/Glass/Glazing	1		\$27,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$27,000.00	\$0.00
00013L	Divisions 08 Coiling Door	1		\$15,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$15,000.00	\$0.00
00013M	Division 09 Gypsum and Metal Truss	1		\$75,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$75,000.00	\$0.00
00013N	Division 09 Painting	1		\$36,000.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$36,000.00	\$0.00
00013O	Division 10 Toilet Aces and Fire Protection	1		\$7,500.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$7,500.00	\$0.00
00013P	Division 21 Fire Suppression	1		\$12,500.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$12,500.00	\$0.00
00013Q	Division 22 & 23 Plumbing/HVAC	1		\$95,000.00	0.1	\$9,500.00	\$0.00		\$9,500.00	10.00%	\$85,500.00	\$475.00
00013R	Division 25/26/27/28 Building Related	1		\$126,700.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$126,700.00	\$0.00
00013S	Division 46 Building Related	1		\$69,254.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$69,254.00	\$0.00
00014	Electrical and Instrumental and Control	1		\$379,500.00	31	\$7,590.00	\$110,000.00		\$117,590.00	30.99%	\$261,910.00	\$5,879.50
00015	Pond Clay Liner	2,334	\$20.00	\$46,680.00	2334	\$46,680.00	\$0.00		\$46,680.00	100.00%	\$0.00	\$2,334.00
00016	Pond Sand Liner	1,167	\$40.00	\$46,680.00	1167	\$46,680.00	\$0.00		\$46,680.00	100.00%	\$0.00	\$2,334.00
00017	Water Main, 4"	30	\$220.00	\$6,600.00	30	\$6,600.00	\$0.00		\$6,600.00	100.00%	\$0.00	\$330.00
00018	Water Main, 6"	230	\$130.00	\$29,900.00	230	\$29,900.00	\$0.00		\$29,900.00	100.00%	\$0.00	\$1,495.00
00019	Water Service Piping, 2" Copper	30	\$180.00	\$5,400.00	30	\$5,400.00	\$0.00		\$5,400.00	100.00%	\$0.00	\$270.00
00020	Sanitary Sewer, 4"	40	\$530.00	\$21,200.00	40	\$21,200.00	\$0.00		\$21,200.00	100.00%	\$0.00	\$1,060.00
00021	Hydrant, Gate Valve, & Box	1		\$14,300.00	1	\$14,300.00	\$0.00		\$14,300.00	100.00%	\$0.00	\$715.00
00022	Storm Sewer, 10" PVC	775	\$120.00	\$93,000.00	775	\$93,000.00	\$0.00		\$93,000.00	100.00%	\$0.00	\$4,650.00
00023	Storm Sewer, 12" RCP	258	\$80.00	\$20,640.00	258	\$20,640.00	\$0.00		\$20,640.00	100.00%	\$0.00	\$1,032.00

# CONTINUATION SHEET

AIA DOCUMENT G703

2 PAGE OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

APPLICATION NO: 6

Contractor's signed certification is attached.

APPLICATION DATE: 3/28/24

In tabulations below, amounts are stated to the nearest dollar.

PERIOD TO: 3/28/24

Use Column I on Contracts where variable retainage for line items may apply.

ARCHITECT'S PROJECT NO:

A ITEM NO.	B DESCRIPTION OF WORK	C Bid Qty	D Unit Price	E SCHEDULED VALUE	F Actual Qty	G WORK COMPLETED		I MATERIALS PRESENTLY STORED (NOT IN D OR E)	J TOTAL COMPLETED AND STORED TO DATE (D+E+F)	K % (G + C)	L BALANCE TO FINISH (C - G)	M RETAINAGE (IF VARIABLE RATE) 5.00%
						FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD					
00024	Storm Sewer, 15" RCP	324	\$110.00	\$35,640.00	324	\$35,640.00	\$0.00		\$35,640.00	100.00%	\$0.00	\$1,782.00
00025	Storm Sewer, 18" RCP	85	\$150.00	\$12,750.00	85	\$12,750.00	\$0.00		\$12,750.00	100.00%	\$0.00	\$637.50
00026	Storm Sewer, 24" RCP	69	\$200.00	\$13,800.00	69	\$13,800.00	\$0.00		\$13,800.00	100.00%	\$0.00	\$690.00
00027	Flared End Section	4	\$4,600.00	\$18,400.00	4	\$18,400.00	\$0.00		\$18,400.00	100.00%	\$0.00	\$920.00
00028	SAFL Baffle	1		\$29,600.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$29,600.00	\$0.00
00029	Special Drainage Structure (MH-04)	1		\$76,900.00	1	\$76,900.00	\$0.00		\$76,900.00	100.00%	\$0.00	\$3,845.00
00030	4' Diameter Standard Manhole	1		\$8,800.00	1	\$8,800.00	\$0.00		\$8,800.00	100.00%	\$0.00	\$440.00
00031	5' Diameter Standard Manhole	1		\$11,600.00	1	\$11,600.00	\$0.00		\$11,600.00	100.00%	\$0.00	\$580.00
00032	8' Diameter Standard Manhole	1		\$52,200.00	1	\$52,200.00	\$0.00		\$52,200.00	100.00%	\$0.00	\$2,610.00
00033	10' Diameter Standard Manhole	1		\$85,300.00	1	\$85,300.00	\$0.00		\$85,300.00	100.00%	\$0.00	\$4,265.00
00034	4' Diameter Catch Basin	4	\$6,900.00	\$27,600.00	4	\$27,600.00	\$0.00		\$27,600.00	100.00%	\$0.00	\$1,380.00
00035	Random RipRap	76	\$120.00	\$9,120.00	201	\$24,120.00	\$0.00		\$24,120.00	264.47%	(\$15,000.00)	\$1,206.00
00036	Erosion Control	1		\$47,500.00	0.9	\$42,750.00	\$0.00		\$42,750.00	90.00%	\$4,750.00	\$2,137.50
00037	Bid Alternate 1	1		\$6,400.00	0	\$0.00	\$0.00		\$0.00	0.00%	\$6,400.00	\$0.00
	Additional Work											
00001	Schedule and Flushing Connection	1	\$44,999.71	\$44,999.71		\$0.00	\$0.00		\$0.00	0.00%	\$44,999.71	\$0.00
00002	Flushing Sensor Transducer and DLI Changes	1	\$30,870.69	\$30,870.69		\$10,500.00	\$0.00		\$10,500.00	34.01%	\$20,370.69	\$525.00
00003	Pond Quantities and FO 003	1	\$39,513.56	\$39,513.56		\$39,513.56	\$0.00		\$39,513.56	100.00%	\$0.00	\$1,975.68
	<b>GRAND TOTALS</b>			\$4,425,251.96		\$2,612,343.91	\$288,825.13	\$0.00	\$2,901,169.04	65.56%	\$1,524,082.93	\$145,058.45

Users may obtain validation of this document by requesting of the license a completed AIA Document D401 - Certification of Document's Authenticity



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item c</b>
<b>Title:</b> SWWD Calendar	<b>Board Action Requested:</b> None Requested	<b>Required Signatures</b>
<b>Reviewed by:</b> JHL		
<p><b>Background/Justification:</b></p> <p>Calendar/Meetings</p> <ul style="list-style-type: none"> <li>i) Regular Board Meeting, Tuesday, April 9, 2024 <i>5pm</i></li> <li>ii) Watershed Management Plan Workshop, Tuesday, April 9, 2024 after meeting</li> <li>iii) Regular Board Meeting, Tuesday, May 14, 2024 6pm</li> <li>iv) Joint Meeting with Cities of Woodbury and Cottage Grove, Wednesday, May 29, 2024 5pm</li> <li>v) Regular Board Meeting, Tuesday, June 11, 2024 6pm</li> <li>vi) SWWD CAC Meeting, Tuesday, June 25, 2024 5:30pm</li> <li>vii) Minnesota Watersheds Summer Tour, June 25-27, 2024</li> <li>viii) SWWD Board Tour-Spring TBD</li> </ul>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> N/A		<b>Comments:</b>
<b>Fund</b> N/A	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> Approval <u>Informational</u> Denial                        No Recommendation	<b>Comments</b>



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item d</b>
<b>Title:</b> Development Review	<b>Board Action Requested:</b> None Requested	<b>Required Signatures</b>
<b>Reviewed by:</b> JHL		
<p><b>Background/Justification:</b></p> <p>Development Reviews</p> <ul style="list-style-type: none"> <li>i) <u>Final</u> (1) Red Rock II, Newport</li> <li>ii) <u>On Going</u> (1) Erin Glen, Denmark Township (2) La Lake/Bailey Meadows, Newport</li> <li>iii) <u>New</u> (1) None</li> </ul>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> N/A		<b>Comments:</b>
<b>Fund</b> N/A	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> Approval                      Informational Denial <u>No Recommendation</u>	<b>Comments</b>

# March 2024 Development Reviews

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Ongoing: Erin Glen, Denmark Township

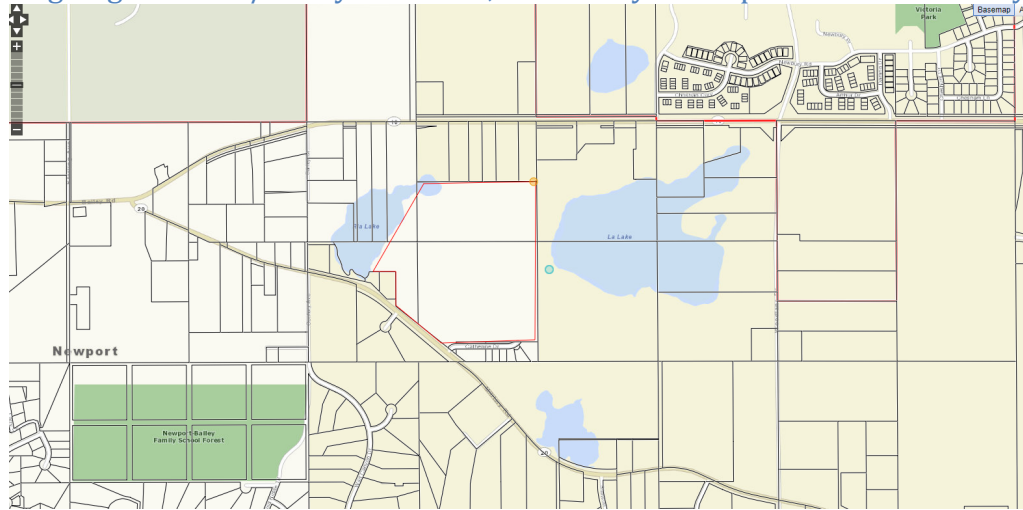


March: No change.

December: For several months, SWWD has been assisting Denmark Township staff with issues at the Erin Glen development. Erin Glen was initially reviewed and approved by the Township, with SWWD assistance, in 2015. The project did not begin until 2024. During land clearing the developer encroached on an existing easement meant to preserve existing natural tree cover. SWWD staff have been assisting the affected landowner and Township staff to determine extent of impact, identify potential modifications to constructed infrastructure to avoid ongoing impacts, and specify a restoration plan. As of December, the Township has directed the developer to modify constructed infrastructure and restore the impacted easement prior to issuance of subsequent building permits for individual homes.



## Ongoing: La Lake/Bailey Meadows, Woodbury – Newport intercommunity flow



March 2024: No change.

February 2024: SWWD has worked with its consultants on a proposal for a third party review of Woodbury’s proposed improvements and modeling. A task order for that review was approved in February and work is underway.

November 2023: City of Newport has voiced concerns over the proposed projects and has asked SWWD to look at the modeling and do some more robust analysis. SWWD staff will work with its consultants to scope that out.

September 2023: Staff has had several meetings with Woodbury, Newport, and Washington County staff about potential solutions at La and Ria Lakes. There is consensus on approach; however, there are details that need to be worked out. Staff will continue to work with City and County staff to develop the potential projects and engage landowners.

June 2023: City of Woodbury has identified preferred solutions. SWWD has suggested some additional information and analysis looking at intercommunity flows. Once that information is available, Woodbury staff will discuss the project with Newport.

February 2023: The City’s consultant has updated modeling and is evaluating downstream impact of proposed outlet options.

November 2022: The City has begun its study of the area. The City is also working on a La Lake park concept. Construction of an outlet for La Lake will likely occur along with park development.

August 2022: The City of Woodbury has submitted a request for additional SWWD funding participation on an effort to look at flooding concerns of both La and Ria Lakes and downstream neighborhoods. The request is included on the September agenda for Board consideration.

December 2021: Washington County has engaged a consultant to review flooding issues at and downstream of Military Rd. The City has yet to pick up the effort since SWWD agreed to partially funding continued study.

April 2021: The City's consultants are working on modeling impacts for the City's preferred outlet solution.

October 2020: SWWD is working with its consultants to model outlet modification options for Ria Lake. Results have been provided to City staff for their consideration in identifying a preferred solution going forward. None of the options currently under consideration affect downstream rates or high water levels flowing into Newport.

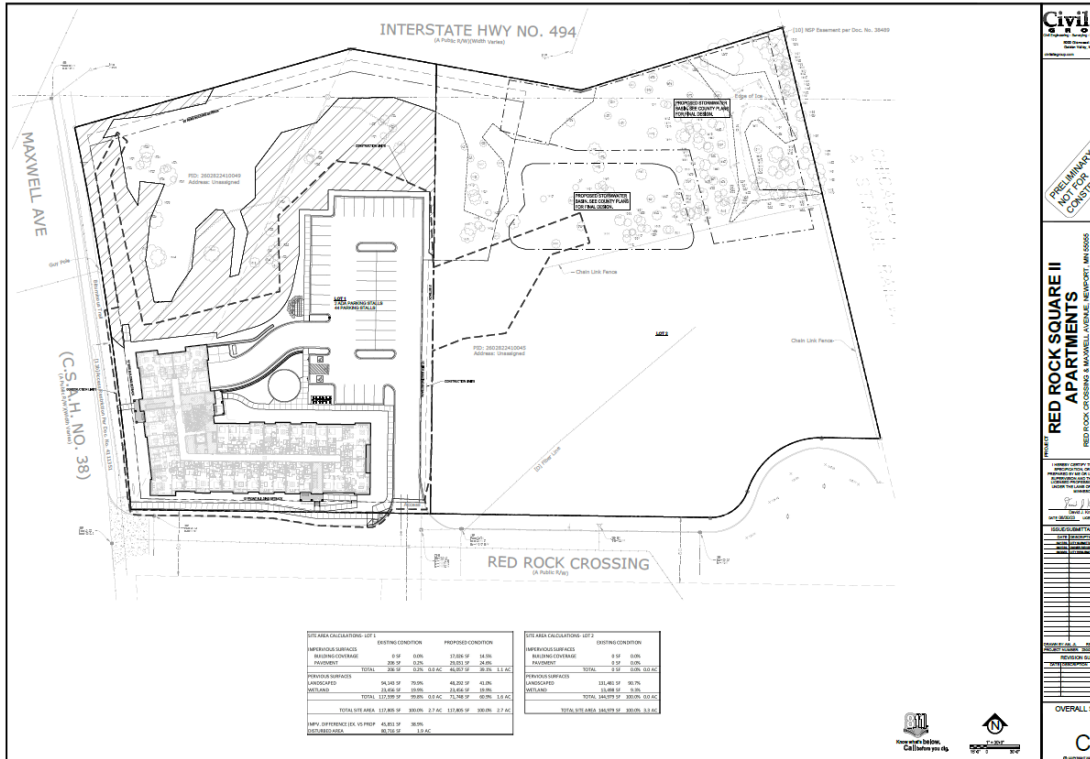
June 2020: Woodbury is in the lead of the La Lake outlet design and implementation process and timeline. Additional high water concerns have become apparent with continued wet weather. Ria Lake is now at historical high water levels and discharging through its outlet under Military Road. That is causing inundation of private property. Staff is working with Woodbury, Newport, and County staff to evaluate the issue.

April 2020: SWWD and Woodbury staff have worked together to determine that a controlled outlet would help protect park facilities around La Lake and help protect the Bailey Meadows development from flooding due to intercommunity flows. An outlet may also provide some minimal benefit downstream. Staff is working with Woodbury to develop a MOU for implementation.

December 2019: SWWD and Woodbury staff are working with consultants to update and evaluate modeling for potential flooding downstream of La Lake.

November 2019: The Bailey Meadows development is in progress, having been approved by the City in 2018. With ongoing wet weather, La Lake has reached its emergency overflow (EOF) elevation and is causing temporary flooding issues both around La Lake and within Bailey Meadows. The larger concern is lack of live storage within La Lake with it at the EOF elevation. Lack of live storage may cause a spike in flow rates downstream during large events. Staff is working with Woodbury, Newport, and District consultants to begin analyzing the potential impacts and determine if a solution is necessary.

Final: Red Rock II, Newport



March: Construction is underway.

February 2024: A draft MOU between Washington County and SWWD is included on the March Board agenda.

January 2024: The County has finalized plans for the pond and Newport has approved both the multi family housing and pond projects. The County was not able to fully provide required TP treatment. Staff is working with the County on an agreement for the County to contribute funding toward SWWD's

upcoming BMP project at the St. Paul Park public works. The agreement should be ready for the March meeting. The County's contribution will be minimal.

August 2023: Washington County is required to provide additional TP treatment in the Newport or St. Paul Park Mississippi River watershed to make up for lack of treatment on the initial Red Rock development. They had hoped to provide that treatment as part of Red Rock II, however, that doesn't seem like it will work out. SWWD will work with the County to modify the existing MOU between the organizations to allow the County to contribute funds to a future SWWD project to make up for the difference.

July 2023: SWWD worked with City and County staff to review proposed a proposed multi family development at Red Rock II in Newport. This project was planned for as part of the Red Rock PUD which was previously approved. Under that PUD, two buildings would have been allowed as part of the current development. However, after wetland delineation the scope of development was reduced to one building to avoid potential wetland impacts. The project as now proposed is consistent with the PUD, avoids wetland impacts, and meets SWWD standards.

### **Final: Municipal Reviews, Cottage Grove**

The City of Cottage Grove enforces compliance with District rules through City permits. The following projects have been permitted in 2024.

- Greymont Village 2<sup>nd</sup> Addition final plat
- Mississippi Landing Final Plat

### **Final: Municipal Reviews, Woodbury**

The City of Woodbury enforces compliance with District rules through City permits. The following projects have been permitted in 2024.

- Westwind 2<sup>nd</sup> Addition final plat



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item e</b>
<b>Title:</b> Wetland Conservation Act-None	<b>Board Action Requested:</b> None	<b>Required Signatures</b> SWWD Administrator
<b>Reviewed by:</b> JHL		
<b>Background/Justification:</b>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> N/A		<b>Comments:</b>
<b>Fund</b> N/A	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> Approval                      Informational Denial <b><u>No Recommendation</u></b>	<b>Comments</b>



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item f</b>
<b>Title:</b> Cost Share Program-None	<b>Board Action Requested:</b> None	<b>Required Signatures</b> SWWD Administrator
<b>Reviewed by:</b> JHL		
<b>Background/Justification:</b>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> N/A		<b>Comments:</b>
<b>Fund</b>	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                No Recommendation	<b>Comments</b>



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Consent Agenda Item g</b>
<b>Title:</b> Miscellaneous Correspondence	<b>Board Action Requested:</b> None	<b>Required Signatures</b> None
<b>Reviewed by:</b> JHL		
<b>Background/Justification:</b>		
<b>Previous Action:</b>		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> None		<b>Comments:</b>
<b>Fund</b>	<b>Explanation</b>	<b>Fund Balance:</b> N/A
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                No Recommendation	<b>Comments</b>





# SOUTH WASHINGTON WATERSHED DISTRICT

March 29, 2024

Bonnie Matter  
6649 Inskip Ave S  
Cottage Grove, MN 55016

## **RE: Public Comments at March 19, 2024 SWWD Board Meeting**

Dear Bonnie

Thank you for attending the March 19, 2024 SWWD Board Meeting and sharing comments related to SWWD's consideration of the wetland replacement plan approval for the Mississippi Landing development in Cottage Grove. This letter serves as the District's response to your questions.

Question: "Since the soil is all sand, how will the acreage be stabilized with the removal of the 2,536 trees? Wouldn't that cause a massive amount of erosion and more sinkholes?"

Both temporary and permanent stabilization are required under the MN Pollution Control Agency's (MPCA) construction stormwater permit and City permits. The developer's erosion and sediment control plan is included in their planset. Should routine inspections by the developer, City, or MPCA find those efforts to be insufficient, the developer will be required to modify their plan. More information, including staff contacts, is available on the MPCA website at <https://www.pca.state.mn.us/business-with-us/construction-stormwater>.

Question: "How will water quality and the Mississippi River be impacted by stormwater runoff from all of the additional impervious surfaces like rooftops, cement sidewalks, driveways, roadways, lawn treatment chemicals, road treatments?"

Runoff during construction and following construction is regulated under permits from MPCA and City of Cottage Grove. Both require the developer to control stormwater runoff rate, runoff volume, and water quality to limit impacts to downstream resources. SWWD has established stormwater rules that apply to developments such as this. Those rules are reflected in City ordinance and enforced by the City through their permit. Pollution from road deicing is a serious concern in all resources within SWWD. SWWD routinely works with its Cities, including Cottage Grove, to improve municipal

operations to reduce the use of deicing chemicals as much as possible while maintaining public safety.

Question: “Where is the storm water ponding between the homes closest to the river and the Mississippi River? The current plans do not have any ponding for this location.”

SWWD’s regulatory role on this project is limited to wetland impacts. However, we do note that runoff from proposed roadways is drained via stormsewer to proposed ponds on site. It does appear that runoff from the rear yards of homes closest to the river will drain overland through the City’s park property toward the river. It is commonly seen in developments that some limited portions of a property leave a site without direct treatment. However, stormwater regulations (in this case enforced by the City) apply to a site as a whole. To comply at the site level, a developer generally overtreats some portions of a site to make up for portions that cannot be directly treated. We also note that although rear yard runoff from homes closet to the River will not be directly treated with stormwater ponds, it will flow across a long distance of vegetative buffer on the new City park spaces. That vegetative buffer will infiltrate and filter the runoff.

Question: “Did you receive and review the final technical evaluation for this most recent development plan? Was it compared to the preliminary technical evaluation; does it show where karst and bedrock exist? Are you confident that all springs and seeps have been accounted for on the Dunes Property? Does the final technical evaluation include the lift station and the work required to move the waste through the BNSF railway corridor bridge and up the hill? Is the water source near the Cowan House (the future lift station) a known spring?”

SWWD convened the technical evaluation (as defined in State statute) to carry out its responsibilities in implementing the MN Wetland Conservation Act. That act pertains to wetlands and impacts to wetlands. It does not directly regulate karst, springs, stormwater, drinking water, or wastewater.

Question: “How does the South Washington Watershed District view their role and responsibilities on this project?”

SWWD’s regulatory role on this project is limited to implementation of the MN Wetland Conservation Act. SWWD ensures that the processes laid out in State statute are followed to avoid wetland impacts, minimize impacts that can’t be avoided, and ensure that those impacts, if any, are mitigated. In this case, SWWD convened a technical evaluation panel consisting of staff from SWWD, Washington Conservation District, MN Department of Natural Resources (MNDNR), and MN Board of Water and Soil Resources that evaluated the proposed impacts. The technical evaluation panel found that the developer had followed Wetland Conservation Act requirements and recommended approval of the developer’s replacement plan for 0.4952 acres of wetland impacts that could not be avoided or further minimized. The developer will replace those impacted acres with wetland banking credits purchased from the State.

Question: “What would drive enforcement on SWWD’s...part? Erosion, sinkholes, poor quality after the 2,536 trees have been removed from the land? After irreparable damage has occurred to the land? What would enforcement look like?”

Enforcement for referenced violations would be responsibility of agencies holding the relevant permits. In this case, enforcement would most likely fall under the City of Cottage Grove or MPCA. SWWD is responsible for enforcement actions for any non approved impacts to wetlands covered under Wetland Conservation Act jurisdiction. Enforcement actions would be focused on repairing the non approved impacts as specified by the technical evaluation panel and enforced with assistance of MNDNR Conservation Officers.

Question: “Are you aware of and did you review the preliminary development agreement that the Cottage Grove City Council entered into with Rachel Development on September 6, 2023? A signed agreement that was not included with the project documentation at the Planning Commission Public Hearing on January 22, 2024 or with the Cottage Grove City Council meeting on February 21, 2024?”

No, we are not aware of the referenced agreement and it is not relevant to SWWD’s role in implementing its responsibilities under the Wetland Conservation Act.

If you have questions or need additional information please contact me at 651-714-3714 or [john.loomis@woodburymn.gov](mailto:john.loomis@woodburymn.gov).

Sincerely,  
South Washington Watershed District



John Loomis  
SWWD Deputy Administrator

c: SWWD Board of Managers

**Citizen Advisory Committee Meeting  
South Washington Watershed District  
Tuesday, March 26, 2024 5:30pm  
Virtual Meeting via MS Teams due to Inclement Weather**

**CAC Members Present:**

- Nayere Ghazanfarpour
- Patty Goertz
- Dan Henely
- David Nuccio
- Bill Sumner

**SWWD Staff & Board:**

- Mike Madigan, Board of Managers
- John Loomis, Deputy Administrator
- Kyle Axtell, BMP Project Specialist
- Tony Randazzo, Watershed Restoration Specialist

**Others:**

- None

**1. Call to Order and Setting of Agenda**

BMP Project Specialist Kyle Axtell called the meeting to order at 5:35pm. A motion was made by David Nuccio to approve the agenda as presented. Patty Goertz seconded. Motion carried unanimously.

**2. Approval of Minutes – December 5, 2023**

A motion was made by Goertz to approve the minutes as presented. Nuccio seconded. Motion carried unanimously.

**3. Public Open Forum**

None.

**4. Coordinated Capital Improvement Program (CCIP)**

**a. Application Reviews**

BMP Project Specialist Kyle Axtell provided overviews of the flowing eleven applications. He noted that the District had approximately \$5,000, \$26,000 and \$650,000 available in the Lower St. Croix, East Mississippi and South Washington Management Units, respectively. Afton Alps was the only application from the Lower St. Croix management unit and Newport was the only application from the East Mississippi management unit. All others were located in the South Washington management unit. Axtell noted that there was not enough funding to go around and that decisions would need to be made about which proposals to recommend for funding. CAC discussion points are summarized for each application.

- ***Afton Alps: Truck-Mounted Brine Applicator (\$5,948)***

Goertz asked if educational signage could be installed at Afton Alps discussing chloride reduction measures employed at the facility. Dan Henely asked for clarity about how this equipment would be used at the property and if Afton Alps staff had received smart salting certifications. Axtell provided information about where and how the equipment would be utilized. Deputy Administrator John Loomis replied that SWWD could easily add a clause to its cost-share contract to require certifications.

- ***Newport: Truck-Mounted Brine Pre-Wetting Kits (\$6,500)***  
 Henely again asked if Newport staff had participated in smart salting training. Loomis replied that he believed so, but a requirement could be placed in the agreement to make sure. Goertz asked about the difference between the cost of this application and Afton Alps for seemingly similar equipment. Axtell explained the differences in the equipment. Nuccio noted the general lack of detail associated with this application compared to others.
- ***Cottage Grove: River Oaks GC Stormwater Reuse (\$163,238)***  
 Nuccio asked if there were other similar projects to compare this to and if SWWD had funded reuse efforts like this previously. Axtell described several similar projects that have been implemented across Washington County in the last decade, noting two in the SWWD at golf courses in Woodbury. Nuccio noted that this seemed like a lot of cost for no water quality benefit. Axtell confirmed that this project was viewed strictly as a groundwater conservation measure and agreed there was little or no benefit to surface water quality in this case. Henely added that he was concerned about this level of funding going to a golf course when we have so many other priorities to deal with and that are addressed with these applications.
- ***Oakdale: Brine Production Facility (\$74,000)***  
 Axtell explained that this project would benefit Oakdale and downstream resources city-wide. Only about 10% of Oakdale lies within the SWWD. Oakdale is currently engaging with the Ramsey-Washington Metro and Valley Branch Watershed Districts to pursue additional funding. RWMWD is specifically considering funding of up to \$100,000 for this project in the near future. Staff's hope is that SWWD's cost-share amount will more closely align with our share of the city's area. Henely offered praise for Oakdale seeking to improve its chloride management regime and shared that praise for all chloride-related proposals.
- ***Woodbury: Bailey Lake Lift Station Improvements (\$650,000)***  
 Axtell provided a brief summary of the six different components within this application. A question was asked about security/safety at the end of the pipe at CDP-85 and asked if children can access the interior of the pipes. Loomis replied that there were large, heavy hatches installed covering the ends of the pipes and doubted anyone could lift them to gain access. The bulk of discussion on this application occurred later in the meeting.
- ***Woodbury: Interlachen Pkwy Pond Expansion (\$150,000)***  
 Bill Sumner asked if this application possibly needed more study to determine if the project was necessary. Axtell responded that this was certainly a possibility and that the project was not intended for construction in 2024, per the application. Henely asked that Woodbury consider retaining some parking adjacent to Interlachen Parkway to provide for potential future community access to Wilmes Lake via a contemplated canoe access near the alum treatment facility. Further discussion centered on sending this application back to Woodbury for additional study, including looking at this site for additional flood storage capacity, and suggesting it be resubmitted in the future.
- ***Woodbury: La Lake Well & Septic Abandonment (\$30,000)***  
 Axtell noted that a recent conversation with Woodbury Parks staff indicated that funding had been secured for this project through other means and it no longer warranted consideration. Howard Markus asked about the possibility of the City and SWWD pursuing funds for pollinator habitat improvements within the Xcel Energy

power line corridor that crosses this park property and also at the large solar farm just east of the southern half of the park. Watershed Restoration Specialist Tony Randazzo explained that currently, SWWD is trying to do exactly that working through BWSR further west on the power line corridor down to the Mississippi River. In time, it may be possible to expand efforts into this area.

- ***Woodbury: Brine Storage Tanks Replacement (\$30,000)***

CAC members discussed the need to replace these tanks already and asked SWWD staff how old the existing brine production facility was. Loomis responded that SWWD funded the original facility in 2018, making the tanks approximately five years old. Axtell noted that the application indicated the tanks for at the end of their useful life and also indicated the city was looking to expand capacity with larger tanks. Henely asked if the existing tanks could be reused/refurbished either by Woodbury or by another community in the watershed. Axtell stated he would inquire with Woodbury staff about this possibility. Loomis noted that the existing facility is still within the 10-year operation and maintenance requirement of the 2018 grant. Axtell offered one option that SWWD could consider funding the difference in cost between the current and proposed tank sizes. CAC members asked staff to obtain more information about this for presentation to the SWWD Board.

- ***Woodbury: Truck Brine Tanks (\$35,000)***

Sumner indicated he supported this application and all others that involved chloride management.

- ***Woodbury: Stormwater BMP Maintenance (\$100,000)***

Henely asked if other communities are asking SWWD for funding for maintenance of existing stormwater BMPs. Loomis responded that Woodbury asks every year and Cottage Grove asks for something maybe every other year. The SWWD Board has been open to these requests in the past when there is sufficient funding available in the CCIP program and that it views maintenance of existing stormwater infrastructure as a crucial component of stormwater management work. He noted that different communities have different needs and capacity for this work due to geology, age of development, and staffing/funding levels. Henely offered an idea to establish a specific fund for BMP maintenance and prorate it somehow to all communities as a way to increase equity across the watershed as opposed to providing funding to whoever asks.

- ***Washington County: Ravine Park Entrance Road (\$87,500)***

Discussion about this application occurred later in the meeting.

**b. CAC Funding Recommendations**

CAC discussion about project funding revolved around prioritization and finding a way to sort through groups of applications given that the entire pool of proposals were so varied in scope, benefit and cost. Markus moved to recommend the SWWD Board approve all chloride reduction proposals, pending some additional information staff will be seeking from the respective applicants. Sumner seconded. Motion carried unanimously.

***Applications recommended for approved in first motion:***

- ***Afton Alps: Truck-Mounted Brine Applicator (\$5,948; Lower St. Croix)***
- ***Newport: Truck-Mounted Brine Pre-Wetting Kits (\$6,500; East Mississippi)***
- ***Oakdale: Brine Production Facility (\$74,000; South Washington)***

- ***Woodbury: Brine Storage Tanks Replacement (\$30,000; South Washington)***
- ***Woodbury: Truck Brine Tanks (\$35,000; South Washington)***

Axtell explained that after this action, \$511,000 remained available for allocation to projects in the South Washington Management Unit. Based on earlier discussion, Nuccio moved to remove Woodbury's La Lake and Interlachen Parkway proposals from consideration. Goertz seconded. Motion carried unanimously.

***Applications removed from consideration in second motion:***

- ***Woodbury: La Lake Well & Septic Abandonment***
- ***Woodbury: Interlachen Pkwy Pond Expansion***

Nuccio expressed his view that climate and infrastructure resiliency should be of utmost importance for the watershed, and so he is very interested in funding as much of the Bailey Lake Lift Station Improvements as possible. He noted that the system provides for critical flood relief for the City of Woodbury in concert with SWWD's Central Draw Overflow system. Nuccio moved to allocate all remaining South Washington funding to Woodbury's Bailey Lake Lift Station Improvement project.

Henely inquired about Washington County's application and noted that the CAC hadn't really discussed it yet. He suggested we consider funding at least a portion of the project like the manhole sumps if it was possible to identify those costs from the overall total. Markus stated that he was uncomfortable with so much of the available funding all going to Woodbury and to one project proposal. Goertz agreed with this sentiment and liked the approach to prioritize different groups of projects while maintaining some equity across the watershed in terms of project funding. Nuccio withdrew his earlier motion.

Henely moved to fully fund Washington County's proposal (\$87,500) and assign the remaining balance (\$423,500) to Woodbury's Bailey Lake proposal. Seconded by Goertz. Motion passed unanimously.

***Applications recommended for approved in third motion:***

- ***Washington County: Ravine Park Entrance Road (\$87,500; South Washington)***
- ***Woodbury: Bailey Lake LS Improvements (\$423,500; South Washington)***

SWWD Manager Mike Madigan suggested developing a more formal set of factors or criteria for the program in hopes it might make it easier to review applications in the future. Loomis noted that this is really the first time in a long while that we have had such a large number of applications and also such a diversity of applications. Axtell indicated that staff will take the suggestion under advisement. Axtell explained that all funding in the program had been allocated, leaving two remaining proposals not recommended for funding. Recommendations will be brought to the SWWD Board for final consideration in April.

***Applications removed from consideration due to lack of remaining funding:***

- ***Cottage Grove: River Oaks GC Stormwater Reuse***
- ***Woodbury: Stormwater BMP Maintenance***

**5. SWWD Watershed Management Plan Update**

Axtell noted that SWWD’s interactive Story Map and resident input survey were both live and available for use and distribution now. Links were provided on the agenda document but did not work for some CAC members. Axtell committed to re-sharing with CAC members via email after the meeting.

**6. Hasenbank Public Art Concepts**

Axtell shared the public art concepts that are under development with the committee. Markus asked if Aaron Dysart’s large sculpture could be made to spin or have other moving features. Axtell indicated that was not a likely possibility due to the size and weight of the sculpture, safety considerations, and future maintenance needs.

**7. SWWD Staff Project Update**

Axtell noted the memo in the packet and encouraged CAC members to peruse it on their own due to lack of time during this meeting.

**8. MPCA – Mississippi River Pool 2 Fish Consumption Advisory**

Axtell noted the recent publication of a new fish consumption advisory for the Mississippi River from Saint Paul to Wabasha, including all river lakes and backwater areas due to PFOS, PFOA and other contaminants.

**9. Upcoming Meetings and Events (*adjusted post-meeting due to agenda typo*)**

- June 25, 2024, ~~6:00pm~~ **5:30pm**, CAC Regular Meeting
- September 24, 2024, ~~6:00pm~~ **5:30pm**, CAC Regular Meeting
- December ~~10~~ **3**, 2024, ~~6:00pm~~ **5:30pm**, CAC Regular Meeting

**10. Adjourn**

The next regular CAC Meeting will be held on Tuesday, June 25, 2024 at 5:30pm. A motion was made by Sumner to adjourn at 7:55pm. Henely seconded. Motion carried unanimously.

Respectfully submitted,



Kyle Axtell, BMP Project Specialist

Approved By:

\_\_\_\_\_  
David Nuccio, SWWD CAC Secretary

\_\_\_\_\_  
Date





<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 5a</b>
<b>Title:</b> SWWD Project Update	<b>Board Action Requested:</b> None requested at this time	<b>Required Signatures</b> None
<b>Reviewed by:</b> JHL		<b>Presented by:</b> Loomis
<b>Background/Justification:</b> <ul style="list-style-type: none"> <li>• Trout Brook</li> <li>• Glacial Valley Park and Open Space</li> <li>• Campus Greening</li> <li>• Wilmes Lake Alum Treatment Facility</li> <li>• Hasenbank Woods/Powers Lake BMP</li> <li>• St. Paul Park Public Works Underground BMP</li> <li>• Markgrafs Lake Retrofit Analysis</li> <li>• Colby Lake Retrofit Analysis</li> <li>• Northern Watershed/CDSF/East Ravine Review and Optimization</li> <li>• Cottage Grove Ravine Regional Park</li> <li>• St. Croix Bluffs Regional Park</li> <li>• CR74 – 65<sup>th</sup> &amp; Geneva</li> <li>• Watershed Management Plan Update</li> <li>• In-Lake AIS Management</li> <li>• Armstrong Lake Wetland Cattail Harvesting</li> </ul>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b>  April 5, 2024	<b>SWWD Administrator/Date:</b>  April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b>		<b>Comments:</b>
<b>Fund</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> Approval <u>Informational</u> Denial                No Recommendation	<b>Comments</b>



# Memo

**To:** SWWD Board of Managers  
**From:** John Loomis, SWWD Deputy Administrator  
**Date:** April 5, 2024  
**Re:** SWWD Projects Update

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## **Trout Brook**

Construction is paused for winter. We currently plan to let vegetation grow in over Spring and early Summer before moving flow over to the new channel and backfilling the existing channel. Exact timing is to be determined in discussion with the contractor once construction season begins.

Staff continues to work on vegetation along stream buffers within Phase II and Phase III areas to ensure project success. Working with DNR and Great River Greening, staff is exploring potential volunteer opportunities to highlight the stream project. Removal of invasive buckthorn woods would enhance the opportunity to view the project from public trails. Staff has recognized that Reed Canary Grass is expanding within the corridor and has developed a plan to severely reduce the present populations and limit the expansion of future populations by reducing seed sources within Afton Alps. That work began in the fall and will continue in 2024. Transplanting rhizomatous native sedges from on-site sources to compete with Reed Canary Grass is being explored to support project resiliency and may offer volunteer opportunities in spring/summer.

## **Glacial Valley Park and Open Space**

*Glacial Valley Park Learning Center and Interpretive Area Design:* SWWD has an updated/final schematic design for the future Glacial Valley Park Learning Center and Interpretive Area and is ready to proceed with design of the structures. The working plan has been to have the park features ready to install as development progresses with extension of Glacial Valley Road. The road extension would provide access and utilities for the learning center. Before then, SWWD is working to get trails established on the site. Soft trails are being maintained on the site and plans have been finalized for a regional asphalt trail connecting Woodbury to Cottage Grove through Glacial Valley Park. Construction of that trail is expected to occur this summer. In order to ensure compliance with Federal restrictions related to bats, trees were removed along the property boundary prior to restrictions that came into effect on April 1. Contractor will continue to clean up debris and remove fence line after ground dries and becomes more stable.

Woodbury is planning an active park area immediately West of Glacial Valley which will also provide parking for Glacial Valley. Staff is currently working with Woodbury staff to review the site plan and identify modifications to meet both City and SWWD goals for the joint park area.

Cedarhurst prairie buffer restoration site prep and seeding was completed in summer, 2022 and activities have continued into 2023. Contractor will continue to monitor and maintain through 2024 growing season.

Maintenance throughout Glacial Valley Park continues to target woody species, especially aspen/cottonwood clumps. Central Basin on north side of Glacial Valley Parkway is focus of ongoing restoration efforts with reseeding of the site with a high diversity mix planned for Spring, 2024. A combination of wet winters with significant snowmelt, followed by multi-year summer drought severely limited native species establishment. Prescribed burn is planned for Spring, 2024 on the southeast unit of the park in the northwest quadrant of the County Highway 19 and Ravine Parkway intersection.

### **Campus Greening**

*Lake and Middleton:* Staff has been working with teachers and students with the assistance of a BWSR HELP grant to develop and enhance prairies through the addition of greater forb diversity and the continuation of persistent weed control. Staff collected seed with 7<sup>th</sup> grade students again in 2023. This seed was sown throughout the site following successful prescribed burns in March, 2024. Staff continues in-classroom programs with 7<sup>th</sup> grade students growing species to enhance the existing prairies and expand the educational component through development of prairie and ecosystem curriculum with classroom teachers.

*Crestview Elementary:* Contractor has been overseeding to increase native grasses and forb diversity and continues to manage cool season grasses in the prairies. WCD will continue conducting regular maintenance in woodlands. Opportunities for future grazing of prairies with Dodge Nature Center are being considered on the campus.

*Nuevas Fronteras:* RES continues to provide maintenance for an additional two years of establishment maintenance at Nuevas Fronteras. Prairies are looking very good on the site with high levels of native flowers dominating. Spring prescribed burn is planned. Disturbed area along 9<sup>th</sup> Street will be seeded immediately following spring burn.

*Valley Crossing:* Continued maintenance in 2024 will involve continued mowing and spot treatment of invasive species in newly seeded areas. One growing season remains on the existing maintenance contract. Staff is again working with an engaged parent to enhance prairie diversity through student growing and plantings. 4<sup>th</sup> Grade teachers are working with WCD EMREP staff to develop ongoing water quality programming to incorporate into regular school curriculum.

*Grey Cloud and Cottage Grove:* Contractor is conducting regular establishment maintenance as prairies develop. Staff continues to work with teachers and students to establish pollinator gardens and assist with programs.

*Carpenter Nature Center:* Carpenter Nature Center (CNC) completed the six week in-classroom and in-field Water Quality programming with 6<sup>th</sup> graders at Lake Middle School and Cottage Grove Middle School in October, 2023. The program is ongoing at Oltman Middle School in Spring, 2024. Contract approval is up for board approval. Staff continues to

discuss assistance from Ramsey Washington Metro Watershed District to support the program at Woodbury Middle School which lies within the RWMWD boundary.

### **Wilmes Lake Alum Treatment Facility**

Construction has resumed for the 2024 season. We expect much of the building structure to be complete by the end of April. Pay Request #6 from Morcon is now ready for Board consideration. MNL has been contracted to complete native landscape restoration at the site. A timeline for MNL's work is forthcoming.

### **Hasenbank Woods/Powers Lake BMP**

This project involves several complimentary efforts, including woodland restoration, wetland restoration, stormwater treatment on the existing City owned parcel between Fish Lake and Powers Lake, and completion of the trail ringing Powers Lake.

Hasenbank Woods restoration is well underway. Forestry mowing by City of Woodbury staff and canopy thinning by County STS are underway. Thinning will continue to open the ground to sunlight, targeting green ash and boxelder within oak stands. STS and ICWC crews are using Biochar kilns to reduce the carbon footprint of burning material. Plans for the 2024 growing season include an additional round of spring grass seeding, goat grazing, herbicide treatment on invasive shrub species and cool season grasses and an over-seeding of flowers and shrubs in fall. Likely volunteer events beginning in 2024 and 2025 will focus on hand pulling of garlic mustard which presents the next greatest threat to the site.

Staff is working with City of Woodbury to help to implement wetland restoration plans developed by Critical Connections Ecological Services supported by DNR CPL Grant. Staff provided support to the City to obtain grant funding.

Construction of the stormwater park is underway. Peterson anticipates restarting its site work in mid-April. Traverse Des Sioux Garden Center will conduct native landscape restoration which will occur in spring and early summer.

Staff continues to coordinate with our two artists, city staff, engineer and contractor on fabrication and installation of a suite of approved art installation concepts. We are connecting with SWCTC about a potential future production centering on this endeavor.

### **St. Paul Park Public Works Underground BMP**

HR Green's preliminary design plans are complete and have been released for contractor bidding. Bids are due Friday, April 26 and a recommendation should be ready for Board consideration at its May meeting. SWWD will use \$228,539 in available FY24-25 WBIF Clean Water Funds for the project. Local match to fully fund the project will come from SWWD East Mississippi Stormwater Utility Fees and alternative compliance agreement with Washington County for the Red Rock II Development in Newport. Grant funding has been secured and a BWSR grant agreement should be ready for approval in July or August. Construction is expected to occur in fall of 2024.

### **Markgrafs Lake Retrofit Analysis**

SRF continues with its scope of work to complete modeling and vetting of possible locations and project concepts as part of a regional feasibility study to narrow down the best options to reduce phosphorus loading from the lake's 370 acre subwatershed. Field investigation

occurred on December 7. A BMP Toolbox has been developed and the project team has consulted with Woodbury staff and SRF to distill the large list of potential project sites into 5 or 6 high priority regional-scale concepts. Staff expects this project to wrap up in April or May.

### **Colby Lake Retrofit Analysis**

Staff is developing plans for a regional BMP feasibility assessment for Colby Lake, similar to work currently underway for Markgrafs Lake. More information to come soon.

### **Northern Watershed/CDSF/East Ravine Review and Optimization**

SWWD awarded a CCIP grant to the City of Woodbury to complete further analysis on the Bailey pump station as recommended in the completed system review. We expect that additional effort to look specifically at flood proofing, backup power generation, upstream ponding capacity, and electrical analysis.

### **Cottage Grove Ravine Regional Park**

Staff is coordinating efforts to provide restoration and native plant communities management within Cottage Grove Ravine Park with a focus on areas adjacent to the overflow channel. Discussions are focused on management of invasive species, with a focus on Common Buckthorn, Garlic Mustard and Common Burdock as well as the consideration of fencing to prevent unauthorized uses and support future grazing activities. Staff has been working with the County to prepare areas within the basin for 2024 restoration using multiple mechanical and herbicide treatments to control troublesome species. Cover crop seeding was conducted by county staff. County and SWWD staff will revisit restoration opportunities at this location after spring green-up and assessment of weed control success.

The Board approved a task order to assess the Eastern ravine in the park as well as the lake outlet channel. Both areas are existing concerns and pose a risk to water quality in the lake and downstream Mississippi River. That work is underway.

### **St. Croix Bluffs Regional Park**

Staff has been working with Washington County to coordinate future work to stabilize several ravines and an embankment along a former railroad grade adjacent to the St. Croix River within the park. Houston Engineering has previously completed feasibility work on the embankment component and is working on development of plans and specifications for the work. The Washington Conservation District is working on the upper ravine stabilization components as well. Soil borings were taken in December and design updates for the proposed bioretention basins are being completed by WCD's engineer.

The two phases of the project have been separated to better align with potential funding sources. Staff has assisted Washington County in its effort to secure WBIF Clean Water Funds through the Lower St. Croix Watershed Partnership to support the first phase of the project (embankment stabilization at Lake St. Croix). The LSCWP Steering Committee recommended an award of \$120,000 in WBIF funding for this project on March 27. The LSCWP Policy Committee will make a final recommendation on April 22. A pending agreement with Washington County would allocate \$30,000 in SWWD Lower St. Croix Stormwater Utility Funds to this project to serve as the local grant match. Additional funds required to complete construction would be the responsibility of Washington County. If all goes as planned, construction on this phase would occur in the fall of 2024.

Staff continues to review options for funding the second phase of the project, including upper ravine stabilization and peak flow reduction practices. Options include DNR's Conservation Partners Legacy Grant Program, BWSR's Competitive Clean Water Fund Grant Program, or FY25 WBIF funding through the LSCWP. We hope to see construction on Phase 2 in 2025.

### **County Road 74 (65<sup>th</sup> Street) and Geneva Ave. S**

The SWWD is working with Washington County to evaluate an eroded ravine at the intersection of Geneva and 65<sup>th</sup> Street in Cottage Grove. SWWD consultants identified potential stabilization measures to be considered as part of an upcoming road project. The County is currently soliciting professional services for project design with construction likely to happen in 2025.

### **Watershed Management Plan Update**

SWWD's current WMP extends through October 2026. There is a substantial process to follow in updating the WMP, which SWWD will begin in 2024. SWWD will officially kickoff that process in early 2024. The District's focus in 2024 will be on citizen engagement and issue identification. Upcoming milestones include:

- April 2024: Board PFAS workshop
- May 2024: Public Meeting to discuss agency priorities

### **In-Lake AIS Management**

SWWD continues in lake AIS management. The District is actively managing vegetation at Markgrafs, Wilmes, Colby, La, and Ravine lakes. There are currently ongoing treatments at Colby, La, and Ravine lakes. Fall application of lake wide herbicide was initiated in November. Bump treatments will likely be necessary at ice out. South Wilmes lake was treated mechanically in summer of 2023. North Wilmes will be treated in Spring with a partial lake herbicide treatment.

### **Armstrong Lake Wetland Cattail Harvesting**

Barr Engineering has compiled guidance for District staff concerning logistics, regulatory considerations, and sample specifications related to a proposed cattail harvesting project in Oakdale. Staff will continue to develop this concept and seek pilot project implementation, possibly this fall.



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 5b</b>
<b>Title:</b> SWWD Staffing Update	<b>Board Action Requested:</b>	<b>Required Signatures</b> None
<b>Reviewed by:</b> JHL		<b>Presented by:</b> Loomis
<b>Background/Justification:</b> Staff will provide an update at the meeting		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b>		<b>Comments:</b>
<b>Fund:</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                 No Recommendation	<b>Comments</b>



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 6</b>
<b>Title:</b> SWWD Land and Creek Management Plan	<b>Board Action Requested:</b> Approval of SWWD Lake & Creek Management Plan-Barr Task Order 2024-002 Approval of the Lake Management Plan Woodbury Cooperative Agreement	<b>Required Signatures</b> SWWD President
<b>Reviewed by:</b> JHL		<b>Presented by:</b> Axtell
<p><b>Background/Justification:</b> SWWD’s current Lake Management including Armstrong, Markgrafs, Wilmes, Powers, Colby, La, and Ravine Lakes was plan was adopted in 2018. SWWD has made substantial investment on projects throughout the District since that time. As part of its WMP update process, SWWD should review and update its management plans to evaluate progress, incorporate the last 6 years of data into the planning, and set nutrient balance goals heading into the next decade of work. Additionally, the District should establish new models and plans for Bailey Lake, Trout Brook, and O’Connors Creek and Lake. Staff worked with Barr to develop the enclosed proposal for that work. The work will be completed mid-2025 and be incorporated into the new WMP. Staff recommends approval.</p> <p>Because of the many resources within the City of Woodbury, the City wishes to collaborate on this planning effort. They have allocated and approved \$75,000. Staff recommends approval of the enclosed agreement.</p>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> \$ 162,400		<b>Comments:</b>
<b>Fund</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                No Recommendation	<b>Comments</b>





## TASK ORDER

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This Task Order pertains to an Agreement by and between the South Washington Watershed District, (“OWNER”), and Barr Engineering, Company, (“ENGINEER”), dated March 14, 2017, (“the Agreement”). Engineer shall perform services on the project described below as provided herein and in the Agreement. This Task Order shall not be binding until it has been properly signed by both parties or a representative of the OWNER provides written authorization to proceed. Upon execution, this Task Order shall supplement the Agreement as it pertains to the project described below.

TASK ORDER NUMBER: ***Barr 2024-002***

PROJECT NAME: ***SWWD Lakes and Creek Management Plan Update***

PART 1.0 PROJECT DESCRIPTION: Review and update SWWD management plans for Armstrong, Markgrafs, North and South Wilmes, Colby, Powers, La, and Ravine Lakes and to develop new plans for Trout Brook, O’Connors Creek/Lake, and Bailey Lake.

PART 2.0 SCOPE OF SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT: This task order authorizes the following tasks as described in Barr Engineering’s attached proposal dated March 18, 2024:

1. Collect and review background materials, including previous reports, existing watershed and water quality models, GIS files, monitoring data, climatic data, site plans for recent developments, and stormwater BMPs.
2. Collect additional field data, as required, to fill gaps for the analysis.
3. Perform laboratory tests to estimate nutrient loading from sediments in lakes where data is currently lacking and/or not available (if needed).
4. Update existing and develop new water quality models (both watershed loading models and receiving water body models) for the nine suburban lakes and wetland included within the study. Quantify the amount of nutrient loading into each waterbody by major source category. Develop recommendations for potential future management strategies to control and/or reduce nutrient loadings into the waterbodies.
5. Review watershed conditions within the Trout Brook and O’Connors Creek subwatersheds in the eastern portion of the SWWD. Compute total suspended sediment (TSS) and phosphorus loading observed at the SWWD’s monitoring stations within these two subwatersheds. Create a receiving water body model for O’Connors Lake and estimate the nutrient balance. Compare results of phosphorus nonpoint source loading calculations with pollutant loading goals established for the area.

6. Develop recommendations for future management considerations and/or additional study based on findings from the work.

PART 3.0 OWNER'S RESPONSIBILITIES: The estimated compensation for the completion of the tasks identified within *Scope of Services to be performed by Engineer on the Project* is based upon the following assumptions and OWNER responsibilities:

1. The OWNER shall provide all relevant information to be reviewed to the Engineer at the beginning of the project.
2. OWNER staff shall review and provide all written or oral comments concerning the draft work products in a timely manner allowing sufficient time for incorporation into the final work products.
3. SWWD will coordinate with City and County staff as needed to ensure necessary participation in meetings.

PART 4.0 PERIODS OF SERVICE: Initiating one more task as described within *Scope of Services to be Performed by Engineer on the Project* occurs at the time of execution of this Task Order or written notification by a representative of the OWNER. Work authorized in this Task Order is to be completed by **July 31, 2025**.

PART 5.0 PAYMENTS TO ENGINEER: ENGINEER will perform the professional services identified within *Scope of Services to be performed by Engineer on the Project* on a time and materials basis up to a maximum amount not-to-exceed of **\$237,400**. ENGINEER shall not exceed the Total Compensation during the completion of the task described within this Task Order without prior authorization from the OWNER's designated representative.

PART 6.0 OTHER: OWNER's designated representative for this project is John Loomis. ENGINEER's designated representative for this project is Stephanie Johnson.

PART 7.0 SIGNATURES:

This Task Order is executed this **9th day of April, 2024.**

SOUTH WASHINGTON WATERSHED  
DISTRICT

BARR ENGINEERING, COMPANY

“OWNER”

“ENGINEER”

BY: \_\_\_\_\_

BY: \_\_\_\_\_

NAME: Brian Johnson

NAME: \_\_\_\_\_

TITLE: Board President

TITLE: \_\_\_\_\_

ADDRESS: 2302 Tower Dr  
Woodbury, MN 55105

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

SOUTH WASHINGTON WATERSHED DISTRICT - CITY OF WOODBURY  
LAKE MANAGEMENT PLAN  
COOPERATIVE AGREEMENT

**THIS LAKE MANAGEMENT PLAN COST PARTICIPATION AGREEMENT**, dated \_\_\_\_\_ 2024, is by and between the South Washington Watershed District, a political subdivision of the State of Minnesota. herein after referred to as the "SWWD", located at 2302 Tower drive, Woodbury, MN 55125, and the City of Woodbury, a political subdivision of the State of Minnesota, hereinafter referred to as the "City," located at 8301 Valley Creek Road, Woodbury MN 55125.

**RECITALS**

- A. The City and SWWD have a mutual interest in the protection and restoration of lakes in the City of Woodbury.
- B. The City and SWWD have partnered on several surface water efforts in the past.
- C. The City and SWWD desire to update existing lake management plans and create new lake management plans, including Powers, Markgrafs, Wilmes, Colby, Bailey, and La lakes.
- D. The City and SWWD have a common goal of water quality improvement in lakes stated in their respective Surface Water Management Plans.

THEREFORE, in consideration of the mutual promises set forth herein and other good and valuable considerations, the SWWD and the City agree as follows:

- I. City of Woodbury RESPONSIBILITIES:
  - A. Funding. The City will reimburse SWWD for half of the costs, not to exceed \$75,000, for SWWD's lake management planning efforts
  - B. Technical Assistance. The City will be actively involved in development of lake management plans for the lakes within the City. The City will provide all relevant monitoring data collected in recent years to SWWD's consultant for use in the lake management plans.
- II. South Washington Watershed District RESPONSIBILITIES:
  - A. Program Implementation. The SWWD will act as the project manager with the district's consultant to complete the lake management plan.
  - B. Funding. The SWWD will pay the remainder of costs to the consultant for completion of the lake management plan.
  - C. Schedule. The SWWD will complete the lake management plan for district lakes by October 31, 2025.
- III. MISCELLANEOUS:

- A. Term of Agreement. This Agreement shall commence as of the date this agreement is fully executed by the parties and continue until December 31, 2025 at 11:59 PM.
- B. Relationship of Parties. Nothing contained in this agreement is intended or shall be construed in any manner as creating or establishing a joint powers relationship, partnership, joint venture, or agency relationship between the parties.
- C. Employees. The City and SWWD represents that it has, or will secure at its own expense, all personnel and/or contractors required for the performance of this agreement. Any and all personnel, contractors of the City, or SWWD shall not be deemed to have any contractual relationship with either the non-contracting City or SWWD and shall not be considered employees of either the non-contracting City or SWWD.
- D. Liability. Except if arising from or out of SWWD's fault or negligence, City agrees to indemnify and defend the SWWD, its successors, and assigns against and will hold harmless the SWWD, its successors and assigns from any claims, expenses or damages, including attorneys' fees, arising from City performance of this agreement. SWWD agrees to indemnify and defend the City, its successors, and assigns against and will hold harmless the City, its successors and assigns from any claims, expenses or damages, including attorneys' fees, arising from SWWD's performance of this agreement.
- E. Assignment or Modification. This agreement shall be binding upon and inure to the benefit of City and the SWWD, and their respective successors and assigns; provided, however, that neither party may assign this agreement without the prior written consent of the other. Any modification, alteration, amendments, deletions, or waivers of the provisions of this agreement will be valid only when mutually agreed upon in writing by both parties. City's use of contracted services to meet its obligations under this contract shall not be construed to be an assignment.
- F. Counterparts. This Agreement may be executed in multiple originals and may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same Agreement, with the effective date of this Agreement.
- G. Data Practices. All data collected, created, received, maintained, or disseminated for any purposes by the activities of either party because of this agreement is governed by the Minnesota Government Data Practices Act, Minnesota Statutes Chapter 13, as amended, the Minnesota Rules implementing such act now in force or as adopted, as well as federal regulations on data privacy. Each party to this agreement shall respond to data requests made directly to it.
- H. Records - availability and retention. Both parties agree that either of them or any of their duly authorized representatives at any time during normal business hours and as often as they may reasonably deem necessary, shall have access to and the right to examine, audit, excerpt, and transcribe any books, documents, papers, records, etc., which are pertinent to the accounting practices and procedures of the parties to this transaction and invoice transactions relating to this Agreement.
- I. Nondiscrimination. During the performance of this Agreement, the SWWD and City both agree to the following: No person shall, on the grounds of race, color, religion, age, sex, disability, marital status, public assistance status, criminal record, creed or national origin be excluded from full employment rights in, participation in, be denied the benefits of, or be otherwise subjected to discrimination under any and all applicable federal and

state laws against discrimination.

- J. Headings. Any titles of the several paragraphs of the Agreement are inserted for convenience or reference only and shall be disregarded in construing or interpreting any of its provisions.
- K. Notice. Any notice, demand, or other communication under this Agreement by either party to the other shall be sufficiently given or delivered if it is dispatched by registered or certified mail, postage prepaid, return receipt requested, or delivered personally to the address indicated below, or at email with receipt requested as email provided herein:

SWWD  
John Loomis  
SWWD Deputy Administrator  
2303 Tower Drive  
Woodbury, MN 55125

City of Woodbury  
NAME  
POSITION  
8301 Valley Creek Road  
Woodbury, MN 55125

- L. Governing Law and Venue. All issues concerning this Agreement will be governed by and construed in accordance with the laws of the State of Minnesota, without giving effect to any choice of law or conflict of law provision or rule (whether of the State of Minnesota or any other jurisdiction) that would cause the application of the law of any jurisdiction other than the State of Minnesota. All legal proceedings shall be venued in the County of Washington.
- M. Severability. If any provision of this Agreement shall be found to be invalid or unenforceable, the parties agree that such invalidity shall not affect the remaining provisions of this Agreement, which shall continue in full force and effect.

(remainder of page intentionally left blank, signature page to follow)

SOUTH WASHINGTON WATERSHED DISTRICT- CITY OF WOODBURY  
LAKE MANAGEMENT PLAN  
COOPERATIVE AGREEMENT

**IN WITNESS WHEREOF**, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement as of the date first written above.

**CITY OF WOODBURY:**

**SOUTH WASHINGTON WATERSHED DISTRICT:**

By: \_\_\_\_\_

Anne Burt  
Its: Mayor

Date: \_\_\_\_\_

By: \_\_\_\_\_

Its: \_\_\_\_\_

Date: \_\_\_\_\_

By: \_\_\_\_\_

Clint Gridley  
Its: City Administrator

Date: \_\_\_\_\_

Approved As To Form:

By: /s/Christina Benson

Its: City Attorney

Date: 3/21/2024



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 7</b>
<b>Title:</b> 2024 Coordinated Capital Improvement Program Grants	<b>Board Action Requested:</b> Authorize the SWWD Deputy Administrator to Sign CCIP Cost-Share Agreements	<b>Required Signatures</b> SWWD Deputy Administrator
<b>Reviewed by:</b> JHL		<b>Presented by:</b> Axtell
<p><b>Background/Justification:</b> See attached memorandum for additional detail about 2024 CCIP funding availability and applications.</p> <p>The CAC reviewed the applications at its March 26, 2024 meeting and passed a series of motions recommending that seven of the applications be considered by the Board for either full or partial funding. Staff will review this information with the Board at its April 9, 2024 Board meeting.</p> <p>Staff recommends that the Board approve full or partial funding for the seven applications consistent with the CAC recommendation, as outlined in the attached memo, authorizing the Deputy Administrator to execute cost-share agreements for each project. Funding would assist with implementation of a variety of water quality improvement and stormwater infrastructure resilience projects.</p>		
<b>Previous Action:</b>		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> <b>\$650,000; SWW CCIP Fund</b> <b>\$6,500; EMW CCIP Fund</b> <b>\$5,948; LSC CCIP Fund</b>		<b>Comments:</b>
<b>Fund</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                No Recommendation	<b>Comments</b>





# SOUTH WASHINGTON WATERSHED DISTRICT

## Memo

To: SWWD Board of Managers  
From: Kyle Axtell, BMP Project Specialist  
Date: April 4, 2024  
Re: Coordinated Capital Improvement Grant Awards

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### **Background:**

As a result of developing and implementing its water resource management plan, working with local government units within the watershed on local water plans and capital projects, and carrying out its permitting program, the District is aware of the challenges posed to sound, comprehensive surface water management by existing urban development. Existing development and impervious surface within the watershed constructed at an earlier time may not have applied due attention to minimizing and managing stormwater impacts under pre-existing regulatory conditions. While stormwater management in these areas may be improved through redevelopment and retrofit projects, space and available options often are constrained and measures may be expensive.

To facilitate improved stormwater management in existing developed areas, the District administers a Coordinated Capital Improvement Program (CCIP) to provide financial assistance to local land use and public works authorities for projects that benefit District water resources by directly improving water quality and/or the resilience of systems and resources that impact water quality.

The SWWD Board of Managers approved the 2024 Coordinated Capital Improvement Program at its February regular meeting, making up to \$650,000 available for capital improvement and maintenance projects in the South Washington management unit that help improve water quality, stormwater management, de-icing operations, and the resiliency of District resources. For 2024, approximately \$23,000 in the East Mississippi management unit and \$5,000 in the Lower St. Croix management unit is available for projects in those areas.

Applicants were eligible to apply for up to 50% of the total cost of planned capital improvement or infrastructure maintenance projects. SWWD received eleven (11) applications requesting a total of \$1,332,186 in funding. The project proposals are as follows:

- Afton Alps – Stormstop Brine Maker/Applicator:** Afton Alps proposes equipment acquisition to allow for improved winter ice management on hard surfaces such as the steep entrance road. This equipment will allow for on-demand brine application ahead of storms and reduced use of rock salt during and after storms. SWWD staff proposes that Afton Alps be required to have its employees take MPCA’s Smart Salting training ahead of the 2024-25 winter maintenance season as a pre-requisite.

**Lower St. Croix CCIP Request: \$5,948 (total cost \$11,897).**  
**CAC Recommendation: Full Funding; \$5,948 (if available)**
- City of Newport – Plow Truck Brine Pre-Wetting Kits (2):** Newport proposes equipment acquisition as it endeavors to add brine use capability to its small fleet of plow trucks. Newport intends to source pre-made brine from Washington County for use beginning next winter. This project would outfit two of its three plows with pre-wetting systems to more effectively keep rock salt on roadways, reducing the overall amount of salt used each season. Pre-wetting alone has been shown to reduce the amount of rock salt used by up to 30%.

**East Mississippi CCIP Request: \$6,500 (total cost \$13,000)**  
**CAC Recommendation: Full Funding; \$6,500**
- City of Cottage Grove – River Oaks Golf Course Stormwater Reuse:** This project proposes to collect and redirect stormwater runoff from the course’s 2-acre parking lot to its existing irrigation pond. The pond is currently supplied by groundwater for irrigation and also has significant leakage issues resulting in inefficient use of groundwater. The project proposes to also install a PVC liner into the pond and expand its maximum storage volume by about 750,000 gallons. In total, the collection of runoff to augment irrigation is expected to reduce groundwater pumping by about 1 million gallons annually. The additional pumping reductions due to elimination of infiltration from the pond are unknown, but significant.

**South Washington CCIP Request: \$163,238 (total cost \$326,476)**  
**CAC Recommendation: No Funding; \$0**  
**\*\*\*Note:** Staff sees value in this proposal from a groundwater conservation perspective and recommends Board reconsideration in a future year, should the City reapply.
- City of Oakdale – Onsite Brine Production Facility:** Oakdale is proposing the addition of a brine production facility as a component of its new public works facility. Oakdale has been sourcing brine from the City of Mahtomedi for a number of years and this addition would allow for greater capacity and adaptability within the city’s winter maintenance program. They have already reduced chloride use by 20-30% since adding brine use to their program, and expect an additional reduction of 10-20% having onsite facilities. On April 3, the RWMWD Board approved a \$74,000 (50%) cost-share for this project. Oakdale has requested the same consideration from the SWWD. VBWD does not currently have an equivalent cost-share program.

**South Washington CCIP Request: \$74,000 (total cost \$148,000)**  
**CAC Recommendation: Full Funding; \$74,000**

- Washington County – Cottage Grove Ravine Park Entrance Road:** This project includes installation of curb and gutter and multiple sump manholes along the entrance road in Ravine Regional Park to address ongoing erosion and sedimentation alongside the steeply sloped roadway. The sump structures will provide for control of sediment and coarse pollutants from the roadway in the future, while the installation of curb and gutter in this targeted location provides the bulk of the pollutant reduction through elimination of overland flow at high velocity coming off the roadway itself and eroding the shoulders. Annual road maintenance requirements for the county will also be significantly reduced.  
**South Washington CCIP Request: \$87,500 (total cost \$175,000)**  
**CAC Recommendation: Full Funding; \$87,500**
- City of Woodbury – Bailey Lake Lift Station Improvements:** Woodbury has requested funds for a suite of recommended improvements at the Bailey Lake Lift Station, one of Woodbury’s most critical community assets. The recommendations come from a resiliency study (nearly complete) that was partially funded by the SWWD. Components include replacing aging pumps, adding a second VFD pump, a permanent wet well dewatering pump (which can also be used for supplying parks and forestry teams with a water source in the southern half of the city), and electrical, HVAC and security improvements. SWWD does not have the available budget to fully fund this request, however the CAC felt it very important to contribute what we could to this resiliency-based project once other high priority proposals were given equitable consideration.  
**South Washington CCIP Request: \$650,000 (total cost \$1,300,000)**  
**CAC Recommendation: Partial Funding; \$423,500**
- City of Woodbury – Brine Storage Tank Replacement (1):** Woodbury is requesting funds to replace an aged brine storage tank with a much larger capacity tank. This will further expand the city’s ability to utilize brine for winter road maintenance in lieu of rock salt, especially in combination with its other application for large truck-mounted brine application tanks. SWWD has confirmed that the tank to be replaced is older than anyone at the City remembers (long past its useful life) and was not funded with any previous SWWD grants.  
**South Washington CCIP Request: \$30,000 (total cost \$60,000)**  
**CAC Recommendation: Full Funding; \$30,000**
- City of Woodbury – Truck Bed-Mounted Brine Application Tanks (2):** Woodbury is requesting funds to install large truck-bed mounted brine tanks in two of its plow trucks. These tanks allow for rock salt to be loaded on top of them allowing a single truck to have both an extended brine application range without returning to the shop while also being able to apply pre-wetted rock salt when needed.  
**South Washington CCIP Request: \$35,000 (total cost \$70,000)**  
**CAC Recommendation: Full Funding; \$35,000**

- City of Woodbury – Interlachen Pkwy Parking Lot & Improvements:** Woodbury is planning to remove a small parking lot near the north end of Wilmes Lake for security reasons and this provides an opportunity to expand an existing stormwater pond at this location. The city noted that additional study is required to identify potential TP and TSS reductions. Construction would not likely occur until 2026.  
**South Washington CCIP Request: \$150,000 (total cost \$300,000)**  
**CAC Recommendation: No Funding; \$0**  
**\*\*\*Note:** Staff notes that this location is a potential opportunity to also provide additional flood storage capacity for Wilmes Lake. The project as currently proposed is not developed enough to warrant funding at this time, but an important partnership potential exists for future consideration.
- City of Woodbury – La Lake Retreat Center:** Woodbury requested funds to assist with the City’s efforts to abandon and remove the old septic system and drain field and seal the water supply well at this city park property adjacent to La Lake, which will be connected in the future to municipal water and sewer. Later discussion with the park planner indicated funding had been secured and SWWD consideration was no longer necessary.  
**South Washington CCIP Request: \$60,000 (total cost \$30,000)**  
**CAC Recommendation: No Funding; \$0**
- City of Woodbury – 2024 BMP Maintenance:** Woodbury is requesting funds to support City maintenance of existing Stormwater BMPs, following implementation of its 2021 BMP maintenance Plan that established a process to evaluate, prioritize, and maintain a variety of BMPs across the city. A wide variety of maintenance priorities were included in the application.  
**South Washington CCIP Request: \$100,000 (total cost \$655,000)**  
**CAC Recommendation: No Funding; \$0**  
**\*\*\*Note:** Staff notes that programmatic funding like this has been offered in the past only when sufficient funding is available.

**Recommendations:**

<b>Afton Alps – Stormstop Brine Maker/Applicator</b>	\$ 5,948
<b>City of Newport – Plow Truck Brine Pre-Wetting Kits</b>	\$ 6,500
<b>City of Cottage Grove – River Oaks Golf Course Stormwater Reuse</b>	\$ 0
<b>City of Oakdale – Onsite Brine Production Facility</b>	\$ 74,000
<b>Washington County – Cottage Grove Ravine Park Entrance Road</b>	\$ 87,500
<b>City of Woodbury – Bailey Lake Lift Station Improvements</b>	\$ 423,500
<b>City of Woodbury – Brine Storage Tank Replacement</b>	\$ 30,000
<b>City of Woodbury – Large Truck-Mounted Brine Application Tanks</b>	\$ 35,000
<b>City of Woodbury – Interlachen Pkwy Parking Lot &amp; Improvements</b>	\$ 0
<b>City of Woodbury – La Lake Retreat Center</b>	\$ 0
<b>City of Woodbury – 2024 BMP Maintenance</b>	\$ 0
<b>Total:</b>	<b>\$ 662,448</b>



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: \_\_\_\_\_  
Name: Jesse Kimes Title: Sr. Mgr., Mountain Ops  
Address: 6600 Peller Ave South  
City: Hastings State: MN Zip: 55033  
Phone: (716) 753-0470 Email: jesse.kimes@vailresorts.com

### PROJECT LOCATION

Description: Afton Alps  
Address: 6600 Peller Ave South  
City: Hastings State: MN Zip: 55033  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: Trout Brook

### PROJECT BUDGET

Total Project Cost: \$ 11,897  
CCIP Funding Requested: \$ 5,948  
Other Funding Secured: \$ 5,948  
Other Funding Sources: Internal Capital Budget

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

Reduce chloride use at Afton Alps through management planning and equipment improvements in order to continue to protect the Trout Brook, which has been a major multi-year project here at Afton. It will also greatly improve the safety of our lots and roadways during winter storm events.

- B. Describe the water resource problems addressed by the project:

Chloride use for snow mitigation and accidental/circumstantial movement of soil into the stream through plowing operations (new equipment would help limit the amount of plowing needed).

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

Every year through plowing operations we move large amounts of snow off roadways and parking lots. Exact snowfall is difficult to gauge year by year, but we generally expect 25-35" over the course of our season.

D. Explain how long-term operation and maintenance of the project will be accomplished:

We will fit the new equipment on an existing truck here at Afton, and our operations team will utilize the brine machine prior to any storms to mitigate snow accumulation in lots & roadways. Our in-house maintenance team will install and maintain the equipment.

E. How does the proposed work increase the resiliency of affected resources and/or systems?

The snow at Afton is pushed off the roadways and lots to the edges of our lots near the stream, and often ends up in the stream, along with gravel and other debris that comes up when we plow. Utilizing a brine machine will help limit the amount of snow on those roadways and lots so that we don't need to move as much near the stream.

F. Describe the anticipated project implementation schedule:

Upon receipt of funding we will purchase the equipment and install it for use beginning in the coming winter 2024-25 season.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Jesse Kimes**  Digitally signed by Jesse Kimes  
Date: 2024.03.22 13:41:24 -05'00'

Signature

**03/22/24**

Date



# COMBO™ BRINE MAKER & APPLICATOR SYSTEMS

## 300 GALLON - BOBCAT LOADING SERIES

The StormStop Combo 300 Brine Maker & Applicator Unit is a new innovative, proprietary design from BARR that combines everything you need to take full control of producing and applying salt brine solutions for anti-icing & de-icing along with dust control. This one machine is all you need to get started.

This equipment can also be used as general water handing unit to haul and transfer water for fire-fighting, wash-down, plant watering, dust suppression and other construction site water service applications.

An economical, easy-to-use and highly efficient anti-icing unit, ideal for smaller scale service areas or service areas spread across a larger service region, ie: parking lots and large building entrance ways and driveways, etc. This is a smart investment that will pay for itself.

## FEATURES

- Produces 23% salt brine solution in approx. 15 minutes, once filled with the appropriate amounts of road salt and water, all controls accessible from the ground.
- Low centre of gravity and tank baffles provides greater stability, driver safety and lessens wear and tear
- Fillable with Bobcat type loader
- Quick response unit: add the salt and water and mix on the way.
- Ease of operation makes the BMBA300-LP suitable for a variety of operators with some basic instruction.



if it flows,  
we go with it™

[barrplastics.com](http://barrplastics.com)





- Manufactured with all durable, corrosion-resistant materials.
- Powered by a quality commercial 6 HP GX200 Honda gas engine with 2", high flow, 45 PSI polypro brine pump. To apply at higher speeds and flow rates for open areas.
- Electric on/off valve to open and close the spray bar.
- High quality 50' Hose Reel and Spray Nozzle Assembly
- Spray bar frame fits easily into a standard truck hitch receiver
- Spray bar is fitted with quick change, adjustable spray tips capable of covering up to a 14 foot wide laneway.
- Auxiliary 2" pump suction and discharge ports to use on-board pump for liquid transfer.
- One tank of brine solution can cover up to approx. 15 lane kms at a commonly used application rate of 70L per lane km (Approx. 12 Acres) (30USG/Lane Mile).
- Top surface is fitted with a heavy duty all plastic loading hopper, ideal for adding bulk salt with a small loader.
- 2" strainer installed on the pump inlet to help keep any debris out of pump and spray bar.
- Tips have 360 degree adjustability at up to a 25 degree angle to place brine right where you want it.
- Spray tip plugs are also included to further adjust your spraying coverage and volume applied.
- Unit has a Heavy Duty primed and painted Steel Skid base for easy loading/unloading with a forklift.
- This unit has a low net weight so does not take up much of the trucks carrying capacity. It can be used, fully loaded on a heavy 3/4 or 1 tonne long-box pickup truck when the unit is positioned at the front of the box or deck.
- Translucent wall tank for easy viewing of liquid and salt levels.
- Sampling tap located on side facing the operator for testing brine concentration before spraying. (Hydrometers sold separately)



**STORMSTOP COMBO**  
call before de-icing & anti-icing systems

**STORMSTOP COMBO**  
call before de-icing & anti-icing systems

We have combo units that fit in truck boxes that can both make the brine and spray it with a hitch mount spray bar. Let me know if these options interest you for your application.

BMBA350LP -G1 - 350 USG LP BRINE MAKER / SPRAYER GAS PWR 1 LANE SPRAY- \$10,508.00 USD each  
Optional addition BRINE HOSEREEL 50 - 50' HOSE REEL W/3/4" x 50' COMMERCIAL HOSE & WAND ASSY. - \$1,258.00 USD each

ACC85112PC - POLYCARBONATE SALT HYDROMETER (0% - 26.4%) - \$130.95 USD each

Freight and taxes are not included in this pricing.

Let me know if you have any further questions on these at all.

Regards,



if it flows,  
we go with it

**Tim Edward**

**Inside Sales | Custom Fabrication Division Lead**

e [tim@barrplastics.com](mailto:tim@barrplastics.com) w [barrplastics.com](http://barrplastics.com)

tf 1.800.665.4499 x115 direct 604.852.8164 p 604.852.8522



This message and any attached files may contain information that is confidential and/or subject to legal privilege and is only for use by the intended recipient(s).



SOUTH WASHINGTON  
WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP)  
2024 Application Form

---

**APPLICANT INFORMATION**

LGU: City of Newport  
Name: Matt Title: Superintendent  
Address: 2060 1st Ave  
City: Newport State: MN Zip: 55055  
Phone: (651) 459-2475 Email: myokiel@newportmn.gov

**PROJECT LOCATION**

Description: 2 salt brine pre-wetting kit for existing plow truck  
Address: 2060 1st Ave  
City: Newport State: MN Zip: 55055  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: Mississippi River

**PROJECT BUDGET**

Total Project Cost: \$ 13,000  
CCIP Funding Requested: \$ 6,500  
Other Funding Secured: \$ \_\_\_\_\_  
Other Funding Sources: \_\_\_\_\_

**PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

**PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

Pre-wetting salt allows salt to stay on road where placed more easily and also provides the moisture needed to activate salt so snow and ice begin melting sooner. Salt use can be reduced because of both effects of pre-wetting.

- B. Describe the water resource problems addressed by the project:  
chlorides in storm water

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

Hoping to reduce salt use up to 25%

D. Explain how long-term operation and maintenance of the project will be accomplished:  
No long term maintenance required

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
Reduce chlorides in stormwater.

F. Describe the anticipated project implementation schedule:  
before plow season 2024/25.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Matt Yokiell**

 Digitally signed by Matt Yokiell  
Date: 2024.02.20 09:59:55 -06'00'

**02/20/24**

Signature

Date



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

---

### APPLICANT INFORMATION

LGU: City of Cottage Grove

Name: Ryan Burfeind, PE Title: Public Works Director

Address: 12800 Ravine Parkway South

City: Cottage Grove State: MN Zip: 55016

Phone: (651) 458-2899 Email: rburfeind@cottagegrovemn.gov

### PROJECT LOCATION

Description: Stormwater Reuse at River Oaks Golf Course

Address: 11099 HIGHWAY 61

City: Cottage Grove State: MN Zip: 55016

SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix

Primary Waterbody Affected: Mississippi River

### PROJECT BUDGET

Total Project Cost: \$ 326,476

CCIP Funding Requested: \$ 163,238

Other Funding Secured: \$ 0

Other Funding Sources: \_\_\_\_\_

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

The goals of the River Oaks Stormwater Reuse project are to collect, store and reuse stormwater runoff from impervious surfaces at the golf course. The collected stormwater will be reused to irrigate the golf course. Golf course irrigation presently uses a 280-foot deep well to draw water from the bedrock aquifer. The reuse project will help by using stormwater to supplement the irrigation volumes, reducing the groundwater withdrawn from the bedrock aquifer. The project also includes a good opportunity for public education regarding stormwater reuse and protection and conservation of groundwater resources.

Stormwater runoff that exceeds the capacity of the collection system will overflow to the existing infiltration area on the north end of the parking lot.

- B. Describe the water resource problems addressed by the project:

The water resource problem addressed by the project is conservation of groundwater. The SWWD Watershed Management Plan describes the importance of groundwater conservation and protection including use of incentives to reduce demand and reuse water. The following are excerpts from the plan: "Groundwater supply is a known issue for South Washington County with documented regional aquifer depletion...SWWD...value(s) its role...in preserving groundwater quality and quantity...there is consensus on the need for conservation. SWWD is committed to...conservation efforts to ensure long term viability of groundwater resources...Goal: Implement conservation efforts to...protect groundwater resources, protect recharge potential...Implement conservation actions...Incentivize practices that reduce demand on groundwater supply...Promote and incentivize feasible re-use of water..."

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

The River Oaks golf course irrigates 75 to 100 acres. The Met Council irrigation demand tool was used to estimate the volume of runoff that could be collected from the 2-acre paved parking area and stored for irrigation. Presently the golf course uses a well to provide the irrigation water supply. Groundwater is pumped from this well into a 0.9-acre pond on the golf course. The pond is used for temporary storage before being pumped through the golf course irrigation system. Each year 18 or 19 inches of runoff is likely to fall on the paved parking area during the irrigation season. If this runoff is collected and conveyed to the on-site pond, it will reduce annual irrigation volumes by 1 Million gallons (3 acre-feet).



D. Explain how long-term operation and maintenance of the project will be accomplished:

The City of Cottage Grove and the River Oaks Golf Course will provide longterm operation and maintenance of the project. The stormwater collection, conveyance and storage features of the project will be inspected annually and the system will be maintained as necessary.

E. How does the proposed work increase the resiliency of affected resources and/or systems?

The stormwater reuse system increases resiliency by conserving groundwater and reducing demand on the bedrock aquifer source.

F. Describe the anticipated project implementation schedule:

The stormwater reuse features are planned for installation within the 2024 construction season.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Ryan Burfeind** Digitally signed by Ryan Burfeind  
Date: 2024.03.22 15:16:50 -05'00'

Signature

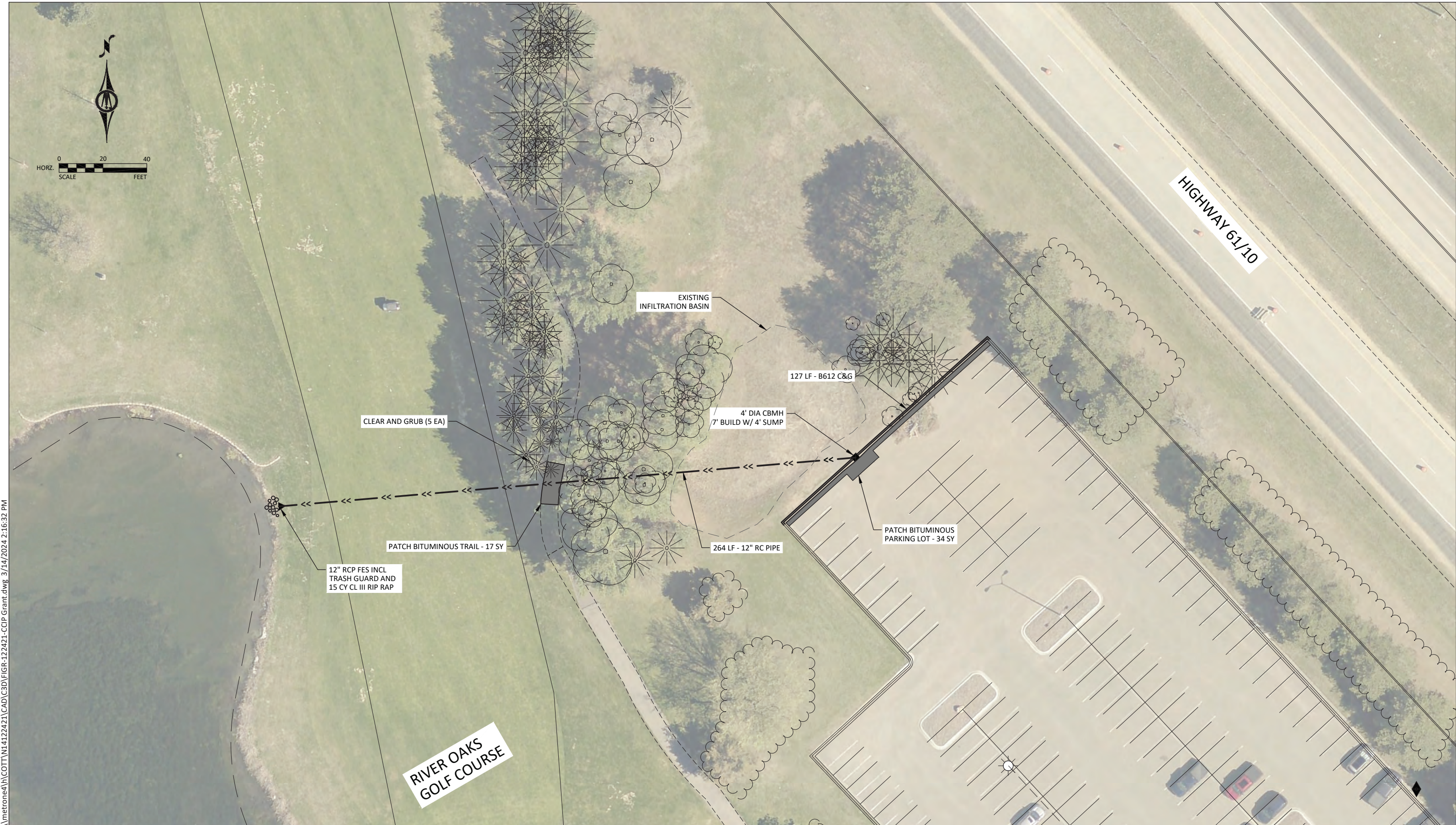
**03/22/24**

Date

2024 CCIP Grant Proposal  
River Oaks Golf Course - Stormwater Re-use Project  
Cost Breakdown  
3/22/2024

	Item	Unit	Qty	Unit Price	Total Price
Parking Lot Work	Mobilization	LS	1	\$ 5,000.00	\$ 5,000.00
	Traffic Control	LS	1	\$ 2,000.00	\$ 2,000.00
	48" CBMH -7' build	Each	1	\$ 6,000.00	\$ 6,000.00
	12" RCP Class 5	LF	264	\$ 75.00	\$ 19,800.00
	12" RC FES, Including Trash Guard	EA	1	\$ 1,500.00	\$ 1,500.00
	Patch Bituminous Parking Lot	SY	34	\$ 50.00	\$ 1,700.00
	Patch Bituminous Trail	SY	17	\$ 50.00	\$ 850.00
	B612 Curb/gutter	LF	127	\$ 35.00	\$ 4,445.00
	Grading	CY	150	\$ 30.00	\$ 4,500.00
	Clear and grub	Each	5	\$ 700.00	\$ 3,500.00
	Temporary Hydraulic Matrix	SF	6,000	\$ 0.50	\$ 3,000.00
		<b>Parking Lot Work Subtotal</b>			
PVC Liner	PVC Liner, 30 mil; 50,000 sf				
	3 Feet Excavation to increase volume				
	Installation of Liner				
	6" Sand protective layer				
		<b>Pond PVC Liner Subtotal</b>			

<b>Parking Lot Work and PVC Liner</b>	\$ 251,135.00	Construction Cost
	\$ 75,340.50	30% Engineering, Contingency, Indirect
	\$ 326,475.50	subtotal
	\$ 163,237.75	Watershed Grant - 50%
	\$ 163,237.75	Total Cost to City



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# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

---

### APPLICANT INFORMATION

LGU: City of Oakdale  
Name: Matt Williams Title: Street Superintendent  
Address: 1900 Hadley Ave No.  
City: Oakdale State: MN Zip: 55128  
Phone: (651) 730-2748 Email: matt.williams@oakdalemn.gov

### PROJECT LOCATION

Description: Brine Maker & Blend Boss  
Address: 3200 Granada Ave. No.  
City: Oakdale State: MN Zip: 55128  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: Armstrong Lake the creek leaving Armstrong downstream water bodies (South of I-94) then the Mississippi River \_\_\_\_\_

### PROJECT BUDGET

Total Project Cost: \$ 148,000  
CCIP Funding Requested: \$ 74,000  
Other Funding Secured: \$ \_\_\_\_\_  
Other Funding Sources: Working with Ramsey-Washington Metro Watershed District

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

We are in the process of building a new Public Works building and we will have a dedicated brine area. We plan on making our own brine as well as having the capabilities to blend other products such as IBG Magic or Turbo Melt. Brine and blended anti icing and deicing chemicals help salt be more effective. The chemicals lower the working temperature of road salt, it also helps the road salt stay where it is applied. as a result, we are able to apply less salt which in turn lowers the chloride that enters water bodies.

- B. Describe the water resource problems addressed by the project:

Chloride in the water causes many problems for a variety of species. Reducing chloride application rates to streets and parking lots will result in less chloride entering the waterways. Having our own brine maker and blending system will also allow us to be more proactive in our anti icing program. having the capabilities to anti ice or pre-treat streets and parking lots will help prevent the possibilities of ice bonding to the road surface. When ice bonds to the pavement, it generally requires more chemical and salt to break the bond between the ice and the pavement.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

The City of Oakdale has been using brine and some blended products for several years. We are able to obtain small amounts of brine from another municipality. as we have used these products in the past, we have been able to reduce our application rates that are applied by city crews. our application rates have been lowered by 20-30% when salt is applied with a mixture of brine and a magnesium chloride product like Turbo Melt. Having the ability to do more pretreatment/anti icing should allow our application rates to be lowered an additional 10-20%.

D. Explain how long-term operation and maintenance of the project will be accomplished:

Brine makers occasionally need to be cleaned to allow for optimal operation. The particular brine maker we are looking to purchase is built with stainless steel and the tanks are double wall poly tanks. The brine maker has fork pockets that allow the brine maker to be moved with a fork lift to allow for easier cleaning of the brine making components. The brine maker will be fully cleaned and serviced in the spring of each year when the brine production season is done. The brine maker and components will also be seasonally treated so they do not become salt damaged over the summer months.

E. How does the proposed work increase the resiliency of affected resources and/or systems?

For our crews to have the ability to make our own brine and blended products, we will no longer need to spend the resources to go to another municipality to pick up brine. We will be able to produce our own and spend more resources applying product for anti-icing. Currently we blend our brine/chemical mixture when we fill our storage tank. When we do this, we are limiting our crews to what the blend is in our storage tank. This does not give us the ability to adjust our blend rate for the weather conditions and pavement temperatures. With our operation being limited to the chemical blend in our one storage tank there has been times when our blends have either been too low and not as effective, or too high which results in more chemical than necessary being applied. And for our crews to have more control over blend rates,


F. Describe the anticipated project implementation schedule:

Our new facility is planned to break ground in the summer of 2024. The construction is scheduled for approximately 12 months. We would anticipate that the brine maker and blending system would be installed in the construction phase, likely in the spring of 2025. Our crews will be moving to the new location in the summer of 2025 and would start using the brine system in the snow season of 2025.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

  
\_\_\_\_\_  
Signature

  
\_\_\_\_\_  
Date





**VariTech Industries Inc.**  
A subsidiary of FORCE America, Inc.  
501 East Cliff Road  
Burnsville, MN 55337  
(952) 707-1300

# E-Mail

**Date:** 3/4/24

**Total Pages (including cover):**3

**To:** City of Oakdale  
1584 Hadley Ave N  
Oakdale MN 55128-5407  
USA

**Attn:**  
**Email:**

**From:** VariTech Industries Inc  
4115 Minnesota Street  
Alexandria MN 56308-3328  
USA  
sales@varitech-industries.com

**Phone Number:**888-208-0686

**FAX Number:**320-763-5612

**Subject:**  
**Message:**





**VariTech Industries Inc.**  
 A subsidiary of FORCE America, Inc.  
 501 East Cliff Road  
 Burnsville, MN 55337  
 (952) 707-1300

# Sales Quotation

**QUOTE**  
**QT060-1022703-2**

DATE  
 3/4/2024  
 PAGE  
 2 OF 3

**579607**  
**City of Oakdale**  
 1584 Hadley Ave N  
 Oakdale MN 55128-5407  
 USA

**48727**  
**City of Oakdale**  
 1900 Hadley Ave N  
 Oakdale MN 55128-5412  
 USA

<b>Expiration Date:</b> 2/10/2024 <b>Customer Ref.:</b> Brine system equipment <b>Customer P/O:</b> <b>Customer Contact:</b> <b>Payment Terms:</b> Net 30 Days <b>Sales Rep:</b> Kietzmann, Andrew J <b>F.O.B.:</b> Alexandria, MN	<b>Ship From: VariTech Industries Inc</b> <b>Site 160</b> 4115 Minnesota Street Alexandria MN 56308-3328 USA
--	--

**NOTES**

Brine equipment price based off of MNDOT Contract.  
 Quoted with single phase power, 3 phase power available at no extra charge. Please indicate power needed at time of order.

PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION
<b>1165757 Rev. B</b> Brine Boss IFM, HCSB700, Hybrid, Single Phase, 1 Tank Setup, With Customer Specified Loader Coupler <i>BB-HC0700H1P1-CPLR</i>	1	EA	104,600.00	104,600.00
Line item includes HCSB700 with Brine Boss auto system				
<b>1169997 Rev. A</b> Blend Boss Gen 5 120GPM, 230V 1-Phase <i>CSI - Blend Boss Gen5 120GPM, 230V 1-Phase</i>	1	EA	39,100.00	39,100.00
<b>1185435 Rev. A</b> Plumbing Kit For Connecting One Single Brine Tank to the Brine Stack on a Blend Boss, 2 Inch Plumbing. <i>FS-BLEND-2"-BRINE-PLMG-1-VST</i>	1	EA	0.00	0.00
<b>1185437 Rev. A</b> Plumbing Kit For Connecting One Single Additive Tank to the Additive 1 or Additive 2 Stack on the Blend Boss <i>FS-BLEND-2"-ADD-PLMG-1-VST</i>	1	EA	0.00	0.00
Plumbing for 2nd Additive optional. Add \$1062.99 to line item.				
<b>1100036 Rev. A</b> Service, Installation <i>INSTALL</i>	1	EA	2,500.00	2,500.00
Installation price for Both Brine Systems				
***** Prices Are Not Guaranteed And Are Subject To Change Lead Times & Delivery Dates Are Based Upon Current Information And Are Subject to Change Unless Otherwise Noted, Prices Do Not Include Freight *****				

**Accepted By:** \_\_\_\_\_  
**Date:** \_\_\_\_\_

<b>MERCHANDISE TOTAL:</b>	\$146,200.00
<b>MISC CHARGE:</b>	\$0.00
<b>TAX:</b>	\$0.00
<b>QUOTE TOTAL:</b>	<b>\$146,200.00</b>

Questions about your order? Contact us by phone at 888-208-0686 or email us at sales@varitech-industries.com

**VARITECH INDUSTRIES, INC.  
TERMS AND CONDITIONS**

**Acceptance:** These Terms and Conditions shall govern all contracts for the sale of any goods to Buyer by VariTech Industries, Inc. and/or its subsidiaries and divisions (collectively "Seller"). These Terms and Conditions shall control over any conflicting terms and condition set forth in any request for quotation, purchase order, confirmation or other transaction document submitted to Seller by Buyer.

**Delays in Delivery:** Seller shall not be responsible for any delay in delivery of goods to Buyer due to fires, strikes, riots, Acts of God, government orders or restrictions, delays in transportation delays by suppliers or materials or parts, inability to obtain necessary labor or other causes beyond Seller's control. In the event of such delay, the delivery date shall be extended for a reasonable period of time.

**Damage or Loss in Transit:** All risk of loss shall pass to Buyer at the time of delivery of the goods. Deliver of the goods to any carrier shall constitute delivery of the goods to Buyer, regardless of which party retained or hired the carrier.

**Warranties:** Seller warrants that any goods sold by Seller to Buyer shall be free from defects in material and workmanship for a period of one (1) year from the date of delivery. THIS WARRANTY SHALL BE THE SOLE AND EXCLUSIVE WARRANTY MADE BY SELLER TO BUYER. SELLER HEREBY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Exclusive Remedy:** If within the aforementioned one-year warranty period, any goods sold by Seller are proven by Buyer to be defective to Seller's reasonable satisfaction, then such defective goods shall be repaired or replaced, at Seller's sole option. THIS REMEDY SHALL BE THE SOLE AND EXCLUSIVE REMEDY AVAILABLE TO BUYER. BUYER SHALL NOT, UNDER ANY CIRCUMSTANCES, BE ENTITLED TO RECOVER ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS.

**Payment:** Buyer shall pay Seller's invoices within thirty (30) days of receipt. Buyer agrees to pay interest to Seller on any past-due amounts at the rate of 18% per year.

**Security Interest:** To secure payment of Seller's invoices, Buyer hereby grants Seller a security interest in all goods sold by Seller to Buyer. Buyer hereby authorizes Seller to file financing statements on behalf of Buyer to perfect Seller's security interest. In the event Buyer fails to timely pay Seller for any goods sold to Buyer, Seller may proceed, at its option, to utilize the remedies available to a secured party under Article 9 of the Uniform Commercial Code.

**Freight Terms:** All sales made by Seller to Buyer shall be F.O.B. Seller's Distribution Center.

**Returned Goods:** Goods may only be returned by Buyer with Seller's prior authorization and consent. Only unused goods in original containers of current design will be considered for return. Specially manufactured, custom or modified goods shall not be returnable. Buyer shall pay all transportation charges for any goods accepted for return by Seller. Buyer shall also pay a restocking charge equal to 15% of the original price of any goods accepted by Seller for return.

**Taxes and Other Charges:** Buyer shall be responsible for paying any taxes, duties, fees, or other charges imposed by any governmental entity based upon Buyer's purchase of any goods from Seller.

**Legal Action:** These Terms and Conditions and the terms of any contract for the sale of goods by Seller to Buyer shall be governed by and construed in accordance with Minnesota law. Any action relating to or arising out of any contact for the sale of goods by Seller to Buyer shall be venued in state or federal court in Minnesota. Buyer consents to the personal jurisdiction of Minnesota courts and waives any defense that venue in Minnesota is in any manner inconvenient. Buyer shall pay all attorney fees, costs and disbursements incurred by Seller in collecting any amounts due from Buyer, enforcing these Terms and Conditions and/or enforcing the terms of any contract for the sale of goods by Seller to Buyer. Any legal action by Buyer against Seller relating to or arising out of any contract for the sale of goods by Seller to Buyer shall be brought within one (1) year after the delivery of the goods or be forever barred.





**VariTech Industries Inc.**  
 A subsidiary of FORCE America, Inc.  
 501 East Cliff Road  
 Burnsville, MN 55337  
 (952) 707-1300

# Sales Quotation

**QUOTE**  
**QT060-1023177-1**

**DATE**  
 3/4/2024  
**PAGE**  
 2 OF 4

**SOLD TO**  
 579607  
**City of Oakdale**  
 1584 Hadley Ave N  
 Oakdale MN 55128-5407  
 USA

**SHIP TO**  
 48727  
**City of Oakdale**  
 1900 Hadley Ave N  
 Oakdale MN 55128-5412  
 USA

**Expiration Date:** 4/3/2024  
**Customer Ref.:** 5000 Gal Captor Tank - 1.5 Sg  
**Customer P/O:**  
**Customer Contact:**  
**Payment Terms:** Net 30 Days  
**Sales Rep:** Kietzmann, Andrew J  
**F.O.B.:** Alexandria, MN

**Ship From: VariTech Industries Inc**  
**Site 160**  
 4115 Minnesota Street  
 Alexandria MN 56308-3328  
 USA

**NOTES**

Price Based off of MNDOT Contract

	PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION
1	<b>1085357</b> 5000 Gal Captor Tank - 1.5 Sg Captor Tank Only - No Fittings <i>SNY TAN-5000CCS-15</i>	1	EA	30,240.00	30,240.00
2	<b>1085346</b> 3" Captor Transition Ftg Ufo - Epdm Gasket <i>SNY TAN-300TRANS-FTG</i>	2	EA	0.00	0.00
3	<b>1104464 Rev. A</b> 3"FTH SS Bolted Tank FTG EPDM Gasket <i>SNY TAN-300BOLT-SS</i>	2	EA	0.00	0.00
4	<b>1200198</b> SNY 3" PP Siphon Tube With No installation cost <i>SNY 3" Siphon Tube NO Install</i>	1	EA	220.00	220.00
5	<b>1024481</b> 120" Tank Gallonage Indicators Adhesive Decals <i>NPNX489</i>	1	EA	95.00	95.00

**Continued**



**VariTech Industries Inc.**  
A subsidiary of FORCE America, Inc.  
501 East Cliff Road  
Burnsville, MN 55337  
(952) 707-1300

# E-Mail

**Date:** 3/4/24

**Total Pages (including cover):**4

**To:** City of Oakdale  
1584 Hadley Ave N  
Oakdale MN 55128-5407  
USA

**Attn:**  
**Email:**

**From:** VariTech Industries Inc  
4115 Minnesota Street  
Alexandria MN 56308-3328  
USA  
sales@varitech-industries.com

**Phone Number:**888-208-0686

**FAX Number:**320-763-5612

**Subject:**

**Message:**



**VariTech Industries Inc.**  
 A subsidiary of FORCE America, Inc.  
 501 East Cliff Road  
 Burnsville, MN 55337  
 (952) 707-1300

# Sales Quotation

QUOTE #: QT060-1023177-1  
 CUSTOMER: 579607  
 DATE: 3/4/2024  
 PAGE: 3 OF 4

PRODUCT / DESCRIPTION	QTY	U/M	PRICE	EXTENSION
6 <b>1178101 Rev. A</b> DWST Ext Fill Tube Assy for 3" Outlet LDS 8069x002	1	EA	2,000.00	2,000.00
7 <b>1100020 Rev. A</b> Freight, Estimated Charges for Quotation FR-EST	1	EA	1,475.00	1,475.00

\*\*\*\*\*  
 Prices Are Not Guaranteed And Are Subject To Change  
 Lead Times & Delivery Dates Are Based Upon Current Information And Are Subject to Change  
 Unless Otherwise Noted, Prices Do Not Include Freight  
 \*\*\*\*\*

Accepted By: \_\_\_\_\_  
 Date: \_\_\_\_\_

**MERCHANDISE TOTAL:** \$34,030.00  
**MISC CHARGE:** \$0.00  
**TAX:** \$0.00  
**QUOTE TOTAL:** **\$34,030.00**

Questions about your order? Contact us by phone at 888-208-0686 or email us at sales@varitech-industries.com

**VARITECH INDUSTRIES, INC.  
TERMS AND CONDITIONS**

**Acceptance:** These Terms and Conditions shall govern all contracts for the sale of any goods to Buyer by VariTech Industries, Inc. and/or its subsidiaries and divisions (collectively "Seller"). These Terms and Conditions shall control over any conflicting terms and condition set forth in any request for quotation, purchase order, confirmation or other transaction document submitted to Seller by Buyer.

**Delays in Delivery:** Seller shall not be responsible for any delay in delivery of goods to Buyer due to fires, strikes, riots, Acts of God, government orders or restrictions, delays in transportation delays by suppliers or materials or parts, inability to obtain necessary labor or other causes beyond Seller's control. In the event of such delay, the delivery date shall be extended for a reasonable period of time.

**Damage or Loss in Transit:** All risk of loss shall pass to Buyer at the time of delivery of the goods. Deliver of the goods to any carrier shall constitute delivery of the goods to Buyer, regardless of which party retained or hired the carrier.

**Warranties:** Seller warrants that any goods sold by Seller to Buyer shall be free from defects in material and workmanship for a period of one (1) year from the date of delivery. THIS WARRANTY SHALL BE THE SOLE AND EXCLUSIVE WARRANTY MADE BY SELLER TO BUYER. SELLER HEREBY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Exclusive Remedy:** If within the aforementioned one-year warranty period, any goods sold by Seller are proven by Buyer to be defective to Seller's reasonable satisfaction, then such defective goods shall be repaired or replaced, at Seller's sole option. THIS REMEDY SHALL BE THE SOLE AND EXCLUSIVE REMEDY AVAILABLE TO BUYER. BUYER SHALL NOT, UNDER ANY CIRCUMSTANCES, BE ENTITLED TO RECOVER ANY INCIDENTAL, CONSEQUENTIAL OR CONTINGENT DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS.

**Payment:** Buyer shall pay Seller's invoices within thirty (30) days of receipt. Buyer agrees to pay interest to Seller on any past-due amounts at the rate of 18% per year.

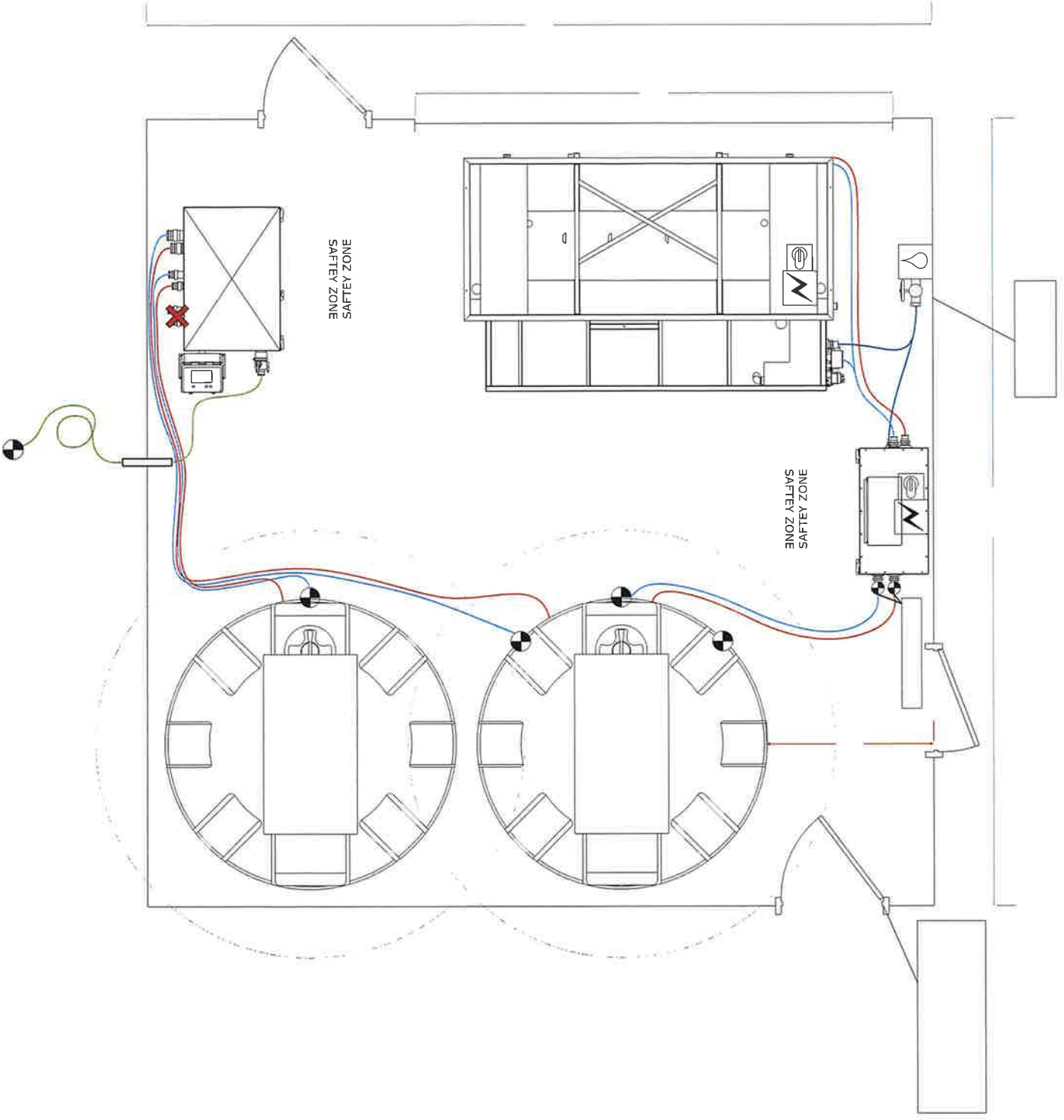
**Security Interest:** To secure payment of Seller's invoices, Buyer hereby grants Seller a security interest in all goods sold by Seller to Buyer. Buyer hereby authorizes Seller to file financing statements on behalf of Buyer to perfect Seller's security interest. In the event Buyer fails to timely pay Seller for any goods sold to Buyer, Seller may proceed, at its option, to utilize the remedies available to a secured party under Article 9 of the Uniform Commercial Code.

**Freight Terms:** All sales made by Seller to Buyer shall be F.O.B. Seller's Distribution Center.












**Returned Goods:** Goods may only be returned by Buyer with Seller's prior authorization and consent. Only unused goods in original containers of current design will be considered for return. Specially manufactured, custom or modified goods shall not be returnable. Buyer shall pay all transportation charges for any goods accepted for return by Seller. Buyer shall also pay a restocking charge equal to 15% of the original price of any goods accepted by Seller for return.

**Taxes and Other Charges:** Buyer shall be responsible for paying any taxes, duties, fees, or other charges imposed by any governmental entity based upon Buyer's purchase of any goods from Seller.

**Legal Action:** These Terms and Conditions and the terms of any contract for the sale of goods by Seller to Buyer shall be governed by and construed in accordance with Minnesota law. Any action relating to or arising out of any contract for the sale of goods by Seller to Buyer shall be venued in state or federal court in Minnesota. Buyer consents to the personal jurisdiction of Minnesota courts and waives any defense that venue in Minnesota is in any manner inconvenient. Buyer shall pay all attorney fees, costs and disbursements incurred by Seller in collecting any amounts due from Buyer, enforcing these Terms and Conditions and/or enforcing the terms of any contract for the sale of goods by Seller to Buyer. Any legal action by Buyer against Seller relating to or arising out of any contract for the sale of goods by Seller to Buyer shall be brought within one (1) year after the delivery of the goods or be forever barred.



**Key**

-  Electrical Hookup
-  Building Fresh Water Supply 'Z' Hook-up
-  Storage Tank Valve Stand
-  Ball Valve
-  Well Passthrough Plumbing
-  Floor Drain
-  Fresh Water Plumbing
-  Suction Plumbing - Pressure Line
-  Discharge Plumbing + Pressure Line
-  Additive Delivery Plumbing
-  Truck Fill Plumbing



VARTTECH INDUSTRIES  
 WATER MANAGEMENT







# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: Washington County  
Name: Mike Kline Title: Engineer I  
Address: 11660 Myeron Rd.  
City: Stillwater State: MN Zip: 55082  
Phone: (651) 430-4304 Email: michael.kline@co.washington.mn.us

### PROJECT LOCATION

Description: Cottage Grove Ravine Regional Park  
Address: 9653 Keats Ave. S.  
City: Cottage Grove State: MN Zip: 55016  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: Ravine Lake

### PROJECT BUDGET

Total Project Cost: \$ 175,000  
CCIP Funding Requested: \$ 87,500  
Other Funding Secured: \$ \_\_\_\_\_  
Other Funding Sources: \_\_\_\_\_

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

This project will involve installing curb and gutter and 3' sump storm sewer structures along the Cottage Grove Ravine Park Entrance Road. This project will address the ongoing erosion, sediment loss and maintenance issues that are occurring.

- B. Describe the water resource problems addressed by the project:

Erosion from roadway water runoff has led to sediment loss along the Ravine Park Entrance Road. The addition of curb & gutter and sump catch basins within the project limits will help address the erosion and sediment loss issues. See attached memo and report for more information.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

The sump structures will lead to a TSS removal rate of anywhere from 52 lb/yr to 145 lb/yr. The sump structures will also provide a TP removal rate of anywhere from 0.1 lb-TP to 0.3 lb-TP. See attached memo and report for pollutant load reduction tables and summaries.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
The sump catch basins that will be installed as part of this project will be cleaned and maintained on a yearly basis to ensure the sump structures can perform as intended.

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
The addition of curb and gutter as part of this project will help eliminate sediment loss due to erosion. The sump storm sewer structures will collect any sediment that discharges into the structure and prevent it from discharging into Ravine lake.

F. Describe the anticipated project implementation schedule:  
We will be working on design Spring/Summer of 2024 with construction beginning in early fall of 2024 and wrapping up construction in the late fall of 2024.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Michael Kline** Digitally signed by Michael Kline  
Date: 2024.03.21 11:32:23 -05'00'

Signature

**03/21/24**

Date

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# Memorandum

Date: March 21, 2024  
Prepared By: Dan Elemen, PE  
Quentin Scott, EI  
Project: Cottage Grove, MN  
Ravine Park Drainage Improvements  
Subject: Hydrology and Water Quality Evaluation

## Narrative:

Washington County contracted Moore Engineering, Inc (Moore) to provide a stormwater analysis for the access road for Cottage Grove Ravine Regional Park (CGRRP). The County created a new access road for CGRRP with an entrance off Keats Avenue in 2017. Since then, there has been erosion between the access road and adjacent trail. Maintenance is required after significant rainfall to keep the trail clear of eroded material. Moore understands the County intends to address this by installing curb and gutter, catch basins with sumps, and storm sewer to prevent runoff from causing erosion between the road and the trail. Moore's objectives are to 1.) determine recommended sizing for the storm sewer structures and pipes and 2.) provide estimates for total suspended sediment (TSS) and total phosphorus (TP) removal for proposed BMP structures.

## Existing Conditions:

The CGRRP access road is a rural section where erosion is occurring. There are segments of the road that have curb and gutter with catch basins and storm sewer. This includes the access road where it connects to Keats Avenue and several parking areas off the access road. Where there is no curb and gutter, there is a shallow ditch along the south side that routes runoff to culverts that cross the road and the trail, where runoff ultimately drains to the CGRRP pond. There is no ditch on the north side, which results in runoff sheet flowing off the road, across the boulevard, and overtop the trail. Runoff from the road is eroding the boulevard, and depositing sediment on the trail.

## Proposed Conditions:

The County proposes to install curb and gutter along the north side of the access road and install catch basins with three-foot-deep sumps. Four catch basins locations were identified along the proposed curb and gutter. To address the sediment concerns, the catch basins will have sumps to capture eroded sediment. The storm sewer lines will then outlet on the north side of the road, draining towards the lake. This is shown schematically in the image below, and in more detail in attached Figure 1. SAFL baffles were originally considered, but are not proposed. This is due to lacking space to fit in an additional structure downstream of the catch basins (other than within the trail itself, which is not desired), and that SAFL baffles do not perform as well in catch basin manholes, where the entire watershed drains through the catch basin, rather than inflows from an upstream pipe.



Project Location and Improvement Schematic

**Findings:**

Hydraulics:

Moore used a County survey to delineate the drainage areas for each proposed catch basin. The survey information was brought into ArcPro along with LiDAR to determine boundaries of drainage areas beyond the surveyed area (shown in attached Figure 2). Land use was determined based on aerial and surveyed linework along with SSURGO soil data to find the curve number. Rainfall data from NOAA’s Atlas 14 was entered for the 2-year, 10-year, and 100-year event using an MSE-3 distribution. A uniform time of concentration of seven minutes was assumed for all watersheds considered. Moore then developed a HydroCAD model to estimate the runoff for each drainage area, shown in Table 1.

Event	Precipitation (in)	Basin 1 Discharge (cfs)	Basin 2 Discharge (cfs)	Basin 3 Discharge (cfs)	Basin 4 Discharge (cfs)
2-Year	2.79	1.2	0.5	1.4	0.4
10-Year	4.15	1.8	0.7	2.1	0.6
100-Year	7.40	3.6	1.4	3.8	1.1

Table 1: Discharge Rates

Table 2 summarizes the 10-year flow rate for each basin and provides a recommendation for minimum pipe size and slope, and structure size. Based on flow rates, a 12-inch RCP would be large enough to pass modeled flows without pressurizing. However, the County standard is a minimum pipe size of 15-inches. Therefore, Moore recommends following the County's minimum pipe size standard and install 15-inch RCP storm sewer. Based on modeled discharge velocities, well established vegetation would be sufficient to stabilize the pipe outlet. However, Moore recommends installing turf reinforcement mat (TRM) or Class 2 vegetated riprap, given the onsite soil's tendency to erode.

Basin	10-Year Flow Rate (cfs)	Recommended Minimum Pipe Size	Recommended Pipe Full Pipe Flow Rate (cfs)	Recommended Pipe Full Pipe Velocity (fps)	Recommended Minimum Structure Size
Basin 1	1.8	15" RCP @ 0.50%	5.0	3.2	48" Diameter
Basin 2	0.7	15" RCP @ 0.50%	5.0	3.2	48" Diameter
Basin 3	2.1	15" RCP @ 0.50%	5.0	3.2	48" Diameter
Basin 4	0.6	15" RCP @ 0.50%	5.0	3.2	48" Diameter

Table 2: Pipe and Structure Size Recommendations

Table 3 summarizes inlet spread at each location for the 10-year event, assuming a single catch basin.

Basin	10-Year Flow Rate (cfs)	Assumed Casting	Gutter Depth (in)	Spread (ft)	Lane Width (ft)	Maximum Permissible Spread (ft)
Basin 1	1.8	R-3067-V	2.6	3.7	12.5	6.3
Basin 2	0.7	R-3067-V	1.9	2.6	12.5	6.3
Basin 3	2.1	R-3067-V	2.8	3.9	12.5	6.3
Basin 4	0.6	R-3067-V	1.9	2.0	12.5	6.3

Table 3: Inlet Spread

### Water Quality:

Moore used Sizing Hydrodynamic Separators And Manholes (SHSAM) to estimate removal efficiencies for the proposed sumped structures. Two different particle distributions were used, MnDOT Sand and NURP 50 gradation. The MnDOT Sand gradation has a larger average particle size than the NURP 50 gradation, and may be more representative of the onsite conditions, as sediment is rapidly settling out of the runoff overtop the trail. The NURP 50 gradation, however, is the typical gradation of urban stormwater based on an EPA study conducted in the 1970s and is more commonly used by Watershed Districts to evaluate the effectiveness of a stormwater BMP. Moore provided results from both gradations so the County can make a more informed decision to determine which approach is most appropriate for addressing actual onsite conditions, while also considering how the Watershed District will evaluate the practice for potential grant funding.

Sumped manholes effectively remove large sediment but can allow finer particles to pass through. SHSAM modeled removal efficiencies and mass of trapped TSS and TP for each particle distribution and BMP type are listed in Table 4 (48-inch structures) and Table 5 (60-inch structures) below. As SHSAM does not model TP removal rates, Moore estimated TP removal rates by modeling TP load using P8, then applied the SHSAM determined TSS removal rate to 55-percent of the P8 determined TP load, as particulate phosphorus is on average 55-percent of total phosphorus. Table 6 presents the mass loading rate for each watershed considered.

Basin	Basin 1		Basin 2		Basin 3		Basin 4	
	MnDOT Sand	NURP 50	MnDOT Sand	NURP 50	MnDOT Sand	NURP 50	MnDOT Sand	NURP 50
TSS	78.80% (132 lb/yr)*	8.80% (15 lb/yr)*	90.00% (58 lb/yr)*	17.30% (11 lb/yr)*	75.80% (145 lb/yr)*	6.80% (13 lb/yr)*	91.00% (52 lb/yr)*	17.80% (10 lb/yr)*
TP	43.30% (0.3 lb-TP)	4.80% (0.0 lb-TP)	49.50% (0.1 lb-TP)	9.50% (0.0 lb-TP)	41.70% (0.3 lb-TP)	2.90% (0.0 lb-TP)	50.00% (0.2 lb-TP)	9.80% (0.0 lb-TP)

Table 4: TSS and TP Removal Rates for Sumped Structures, Assuming 48" Diameter Structures

\*See Attachment 4 for annual load calculation

Basin	Basin 1		Basin 2		Basin 3		Basin 4	
Particle Distribution	MnDOT Sand	NURP 50	MnDOT Sand	NURP 50	MnDOT Sand	NURP 50	MnDOT Sand	NURP 50
TSS	84.10% (140 lb/yr)*	11.00% (18 lb/yr)*	91.40% (59 lb/yr)*	20.40% (13 lb/yr)*	79.40% (151 lb/yr)*	8.70% (17 lb/yr)*	92.30% (53 lb/yr)*	20.90% (12 lb/yr)*
TP	46.30% (0.4 lb-TP)	6.00% (0.1 lb-TP)	50.30% (0.1 lb-TP)	11.20% (0.0 lb-TP)	43.70% (0.3 lb-TP)	4.80% (0.0 lb-TP)	50.80% (0.2 lb-TP)	11.50% (0.0 lb-TP)

Table 5: TSS and TP Removal Rates for Sumped Structures, Assuming 60" Diameter Structures

\*See Attachment 4 for annual average calculation

Mass Loading (lb/yr)	Basin 1	Basin 2	Basin 3	Basin 4
TSS	167	65	191	57
TP	0.8	0.2	0.7	0.3

Table 6: Mass Loading

The manholes are expected to remove 70- to 90-percent of coarse sediment, based on SHSAM output when evaluating the "MnDOT Sand" gradation. This removal rate drops to about 10- to 20-percent when considering the NURP 50 gradation. Upsizing structures from 48-inch diameter to 60-inch diameter does slightly increase removal rates. To evaluate whether upsizing the structures is cost effective, Table 7 provides a cost estimate for two scenarios: one where only 48-inch structures are installed and one where only 60-inch structures are installed. Based on a high-level evaluation, it is more cost effective to install 48" structures.

Scenario	No. Structures	Unit Cost	Total Cost	Annual Mass Removed*	Effective Cost (\$/lb-TSS)
48" Structures	4	\$5,000	\$20,000	387	\$ 52
60" Structures	4	\$7,000	\$28,000	393	\$ 71

Table 7: Effective Cost Comparison

\*Based on MnDOT Sand removal

In addition to the sumped structures removing sediment that accumulates on the road and is discharged to the catch basins, the installation of curb and gutter will address the ongoing erosion of the boulevard. Permanent stabilization will be achieved by preventing runoff from the road from eroding unvegetated soil, allowing time for turf establishment. Based on a review of aerial imagery, Moore estimated the boulevard is approximately 30-percent vegetated. Moore used the NRCS's "Rangeland Hydrology and Erosion Model (RHEM)" to estimate the annual mass of eroding sediment, based on loamy sandy soils (per Web Soil Survey). RHEM output is included as an appendix to this report, and estimates soils erode at approximately 8.2 ton-TSS/ac/yr. Stabilizing the 10-foot-wide boulevard over 1,665-feet of new curb and gutter will result in the stabilization of approximately 6,250 lb-TSS/yr. With an assumed ratio of 150 mg-TP/kg-soil, stabilizing the boulevard will trap approximately 0.9 lb-TP/yr. Table 8 summarizes the estimated total mass of sediment and TP trapped with the installation of sumped structures (assuming the NURP gradation) and permanently stabilizing the boulevard.

Pollutant	Sump Structures Removal (lb/yr)	Boulevard Stabilization Removal (lb/yr)	Total Mass Trapped (lb/yr)
TSS	49	6,250	6,299
TP	0.1	0.9	1.0

Table 8: Total Pollutant Removal

## Conclusion:

The County desires to install curb and gutter along the north side of the CGRRP access road to address nuisance drainage conditions and provide water quality treatment via sumped manhole structures. Additionally, curb and gutter will allow the boulevard to better establish vegetation as road runoff will no



longer be flowing across unstabilized soils. As this project does not require a South Washington Watershed District (SWWD) stormwater permit, the County desires to pursue SWWD grant funding to assist with the construction of the storm sewer and structures.

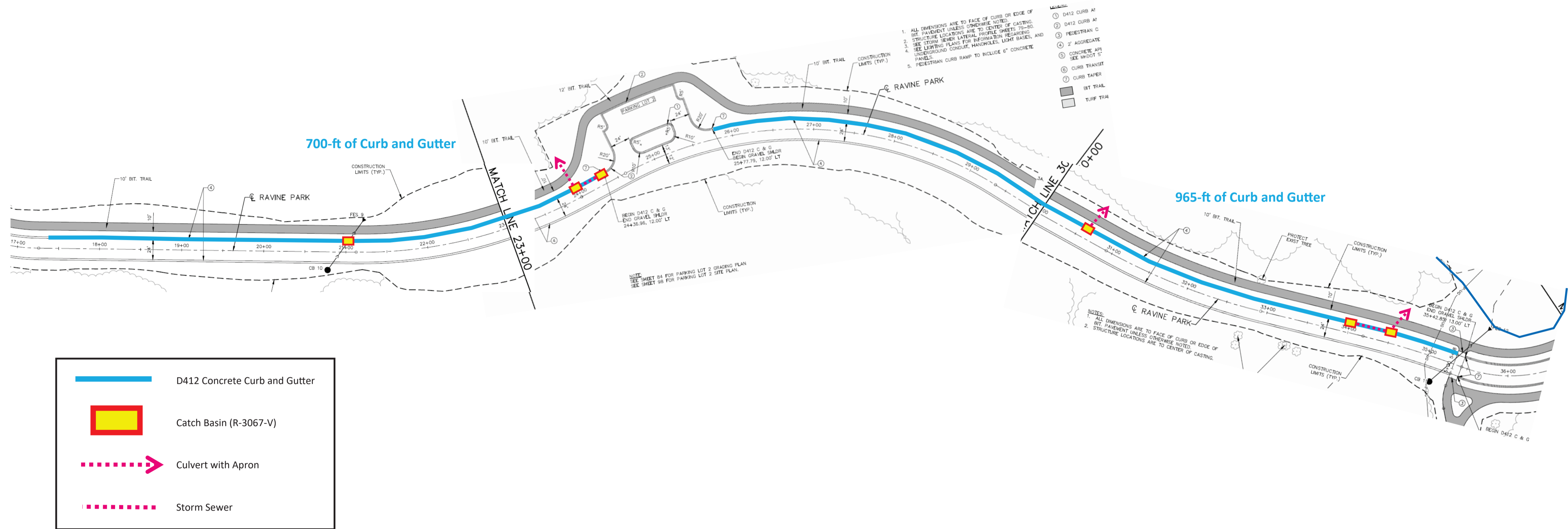
Moore developed a HydroCAD and SHSAM model to determine flow rates and estimated pollutant removal rates for the curb and gutter, and used an NRCS model to estimate the mass of sediment that will be permanently stabilized in the boulevard. Flow rates inform pipe and structure size, and spread in the road. The water quality treatment values listed above can be used for SWWD grant applications, along with this supporting memorandum. Finally, Moore recommends a minimum three-foot-deep sump below the lowest pipe outlet. Additional depth does not enhance sediment removal but can prolong the length of time between maintenance and minimize the amount of resuspended sediment.

**Attachments:**

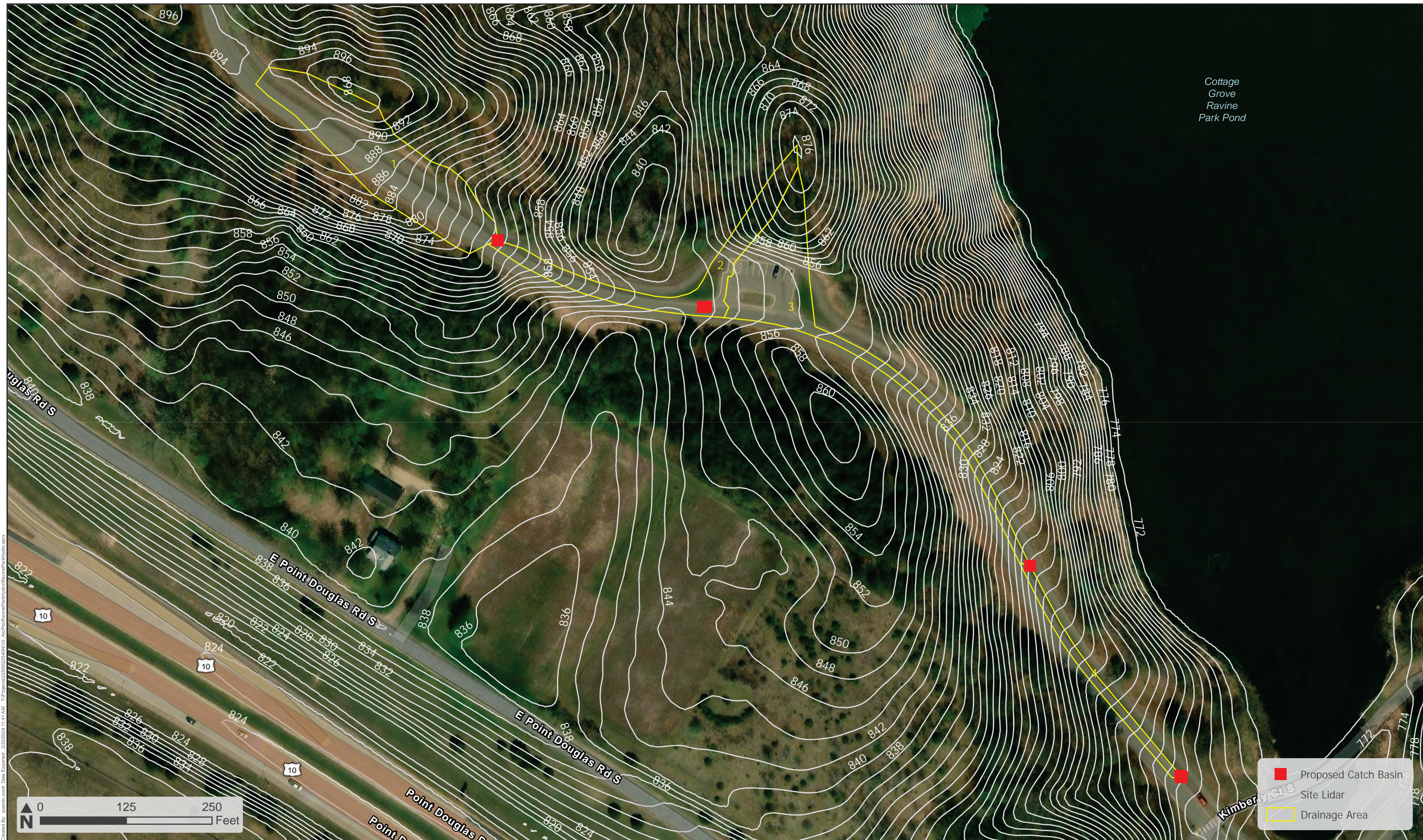
1. Project Location Schematic
2. Watershed Map
3. HydroCAD Report
4. SHSAM Output Summary
5. RHEM Output Summary

# Ravine Park—Drainage Improvements

## Option #1



Construction Cost Estimate = \$130,000



**Proposed Drainage Area**  
Ravine Park Drainage Improvements



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: City of Woodbury  
Name: Kristin Seaman Title: Environmental Resources Coordinator  
Address: 8301 Valley Creek Road  
City: Woodbury State: MN Zip: 55125  
Phone: (651) 414-3494 Email: kristin.seaman@woodburymn.gov

### PROJECT LOCATION

Description: Bailey Lake Lift Station Electrical and Building Improvements  
Address: 5500 Woodbury Drive  
City: Woodbury State: MN Zip: 55129  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: N/A

### PROJECT BUDGET

Total Project Cost: \$ 1,300,000  
CCIP Funding Requested: \$ 650,000  
Other Funding Secured: \$ 650,000  
Other Funding Sources: Central District Trunk Fund and Stormwater Utility Fund

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

SWWD led an effort starting in 2020 to update the operating plan and maintenance plan for the Bailey Lake Lift Station and downstream stormwater infrastructure. The City of Woodbury, with funding support from SWWD, has pursued further work based on those study results. At this time, it's been identified that the electrical and pumps need major replacement and improvements.

- B. Describe the water resource problems addressed by the project:

The City of Woodbury is widely land-locked, depending heavily on the Bailey Lake Lift Station, CD-P85 and the Central Draw Overflow in wet periods and seasonal flows. Much of the equipment in the Lift Station has met its useful life and needs to be replaced before failure. In addition to general replacement, the study completed identified additional improvements: adding a 2nd VFD to the other bay of pumps, increasing safety at the wet well, and replacing the wet well pump to add a dual-purpose to fill watering trucks to meet parks and forestry needs in the southern portion of the City through stormwater reuse.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

There is not pollutant load reduction associated with this project. The project goal is infrastructure resilience.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
The Bailey Lake Lift Station is one of the most critical assets in the City of Woodbury, and actively maintained by City Public Works.

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
Replacement of aging equipment and additional improvements as described above serves the City's resiliency goals and further protects the community from flood damage and/or illicit a quicker recovery from increased precipitation.

F. Describe the anticipated project implementation schedule:  
This project is expected to begin late 2024 and take up to 24 months due to procurement timelines.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Kristin Seaman** Digitally signed by Kristin Seaman  
Date: 2024.03.14 15:41:24 -05'00'

Signature

**03/14/24**

Date

## Bailey Lake Lift Station Electrical and Building Improvements

City of Woodbury, SWWD CCIP 2024

Through partnership with South Washington Watershed District, the City of Woodbury has constructed, operated, and maintained the Bailey Lake Lift Station since the early 1990's. From the Operational Analysis initiated by the watershed in 2020, the City completed further study per the recommendation on the building, electrical, mechanical and site conditions. The following improvements are recommended to begin later this year.

### Pump 4 VFD

Total cost estimated to be \$185,000.

The lift station has six pumps, which are fed from two motor control centers (MCCs), MCC1 and Mcc2. MCC1 feeds Pumps 1-3, and has one pump on a variable frequency drive (VFD). MCC2 feeds Pumps 4-6, all of which are currently on soft starters. Staff identified an opportunity to add a VFD to the second bank of pumps. Application of a VFD is critical to operation because it allows staff the ability to drawdown the wetwell; the lower speed is required to prevent pump cavitation. The benefits of operating a VFD provides additional storage capacity in the lake for snowmelt and spring runoff, thus is an important flood management mechanism. With only one VFD in the lift station currently, there's a risk of not having one available when Pump 3 is down for maintenance or replacement. Additionally, by having two VFD's in the lift station, longevity increases for both VFD's by managing runtimes evenly. This improvement has a direct connection to increasing resilience at the lift station, and has a cost efficiency of being added along with replacement of the MCCs (more information below).

### Dewatering Pump and Wetwell Access Hatch Improvements

Total cost estimated to be \$125,000.

Currently, staff use a temporarily installed pump within the wetwell to complete the final drawdown. This effort creates a safety concern of installing the pump while holding on to a ladder, and the access hatch does not meet safety standards. It needs to be reconfigured and proper fall protection added. While evaluating options, an opportunity was identified to install the pump to allow for an addition benefit to use the infrastructure to support filling city-operated watering trucks. This supports the Parks and Forestry operations, especially in the newly developed and developing southern portion of Woodbury, saving on time and fuel to return to the Public Works facility for filling, and utilizing available surface water in lieu of drinking water.

### HVAC Improvements

Total cost estimated to be \$70,000.

In this case, the main purpose of the HVAC system at the lift station is to protect the equipment from extreme temperatures and moisture, to increase the lifespan and decrease the probability of unpredicted failure. The system analysis recommends replacing the gas heaters due to their

age, and while doing so, replace one of the existing with two smaller units to provide redundancy in heating the system. The exhaust fans also need to be replaced due to age. The recommendation also includes adding a dehumidifier and insulation, which is not currently within the lift station.

### Site Security

Total cost estimated to be \$45,000.

The lift station was originally constructed in a location without roads traveled by the public, or many neighbors. As the City has seen development, we have also noticed increased use of the facility, based on fishing equipment and trash being discarded near the building. The proposal includes site security improvements such as lights, access control, cameras, and connection to the City's communication network to aid in remote monitoring.

### Interior and Exterior Electrical Improvements

Total cost estimated to be \$355,000.

Electrical improvements include replacing the main switchboard that feeds the pumps, including necessary upgrades due to building code changes. At the time of this work, it's appropriate to replace the transformer and panelboards simultaneously. There is a desire to further consider addition of a permanent generator, which will necessitate improvements to the receptacles. The addition of on-site power was a recommendation from SWWD's Climate Resiliency Study. Lastly, the lighting within the building is fluorescent and can be replaced with LED's to increase energy efficiency.

### Pump 3 VFD, MCC1 and MCC2

Total cost estimated to be \$520,000.

This improvement is necessitated by the age and use of the equipment within the lift station. The existing VFD and two MCC's (motor control centers) are beyond their useful life and are at an increased risk of failure. While this is more of a maintenance component of the project, replacement needs to happen prior to failure in order to keep the system operational.





# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: City of Woodbury  
Name: Kristin Seaman Title: Environmental Resources Coordinator  
Address: 8301 Valley Creek Road  
City: Woodbury State: MN Zip: 55125  
Phone: (651) 414-3494 Email: kristin.seaman@woodburymn.gov

### PROJECT LOCATION

Description: Brine Tank Replacement  
Address: Equipment Replacement  
City: Woodbury State: MN Zip: 55125  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: \_\_\_\_\_

### PROJECT BUDGET

Total Project Cost: \$ 60,000  
CCIP Funding Requested: \$ 30,000  
Other Funding Secured: \$ 30,000  
Other Funding Sources: City Capital Improvement Fund

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

Grant will support purchasing replacement brine tanks to fill equipment for pre-wetting roads prior to winter weather events. The current brine equipment used to fill the trucks is at the end of its useful life, and undersized for the projected equipment. The City seeks to add increased brine capabilities to all priority routes through planned replacement of plow trucks.

- B. Describe the water resource problems addressed by the project:

This project aims to continue the City's commitment to decreasing chlorides applied for snow and ice management. Winter maintenance activities in the Twin Cities are critical to increase safety on our roads, but also the largest contributor of chloride to local lakes, rivers, and wetlands.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

Quantitative measurement of this improvement is challenging. Use of brine prior to a snow/ice event, allows the City to use less hard salt on the roads after the event by increasing the freezing temperature of water on the road. Furthermore, pollutant load reduction depends on weather, application needs and many other factors year to year and cannot be quantified.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
After installation, the brine filling tanks will be maintained by the City Fleet Maintenance division.

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
Prevention is the best approach for chlorides in our environment. By decreasing the chloride dosing that occurs during winter maintenance, we are protecting local water resources and the natural ecosystems that depend on low-salt levels.

F. Describe the anticipated project implementation schedule:  
Purchase and installation of tanks in 2025.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Kristin Seaman** Digitally signed by Kristin Seaman  
Date: 2024.03.14 11:44:47 -05'00'

Signature

**03/14/24**

Date

## **Axtell, Kyle**

---

**From:** Sieben, Evan  
**Sent:** Tuesday, March 19, 2024 11:12 AM  
**To:** Axtell, Kyle  
**Cc:** Seaman, Kristin; Wentlandt, Mike  
**Subject:** RE: CCIP Grant App

Hi Kyle,



To support the additional liquid in the trucks we will need to scale up the capacity of our liquid storage at our facility. We will need to purchase another liquid storage tank and loading equipment similar to the picture above. Please let me know if more information is needed.

**Evan Sieben**  
Streets Manager  
2301 Tower Drive | Woodbury, MN 55125  
(651) 714-3720 | [www.woodburymn.gov](http://www.woodburymn.gov)



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: City of Woodbury  
Name: Kristin Seaman Title: Environmental Resources Coordinator  
Address: 8301 Valley Creek Road  
City: Woodbury State: MN Zip: 55125  
Phone: (651) 414-3494 Email: kristin.seaman@woodburymn.gov

### PROJECT LOCATION

Description: Brine Upgrades  
Address: Equipment Upgrades  
City: Woodbury State: MN Zip: 55125  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: \_\_\_\_\_

### PROJECT BUDGET

Total Project Cost: \$ 70,000  
CCIP Funding Requested: \$ 35,000  
Other Funding Secured: \$ 35,000  
Other Funding Sources: Capital Improvement Fund

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

Grant will support purchasing additional brine tanks for pre-wetting roads prior to winter weather events. Larger liquid tanks on plow trucks will allow us to apply liquid deicer to roadways instead of using granular deicers that have more of a tendency to bounce off or be plowed off of the roadway. This will decrease chloride applications and costs to the City, while providing safe, drivable roads. This system will be installed on two of our plow trucks.

- B. Describe the water resource problems addressed by the project:

This project aims to continue the City's commitment to decreasing chlorides applied for snow and ice management. Winter maintenance activities in the Twin Cities are critical to increase safety on our roads, but also the largest contributor of chloride to local lakes, rivers, and wetlands.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

Quantitative measurement of this improvement is challenging. Use of brine prior to a snow/ice event, allows the City to use less rock salt on the roads after the event by increasing the freezing temperature of water on the road. Furthermore, pollutant load reduction depends on weather, application needs and many other factors year to year and cannot be quantified.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
After installation, the brine tanks will be maintained by the City Public Works - Fleet Maintenance Division.

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
Prevention is the best approach for chlorides in our environment. By decreasing the chloride dosing that occurs during winter maintenance, we are protecting local water resources and the natural ecosystems that depend on low-salt levels.

F. Describe the anticipated project implementation schedule:  
Purchase and installation of tanks in 2025.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Kristin Seaman** Digitally signed by Kristin Seaman  
Date: 2024.03.14 11:40:28 -05'00'

Signature

**03/14/24**

Date

## **Axtell, Kyle**

---

**From:** Sieben, Evan  
**Sent:** Tuesday, March 19, 2024 11:12 AM  
**To:** Axtell, Kyle  
**Cc:** Seaman, Kristin; Wentlandt, Mike  
**Subject:** RE: CCIP Grant App

Hi Kyle,

The manufacturer of the equipment does not have any fliers on the equipment that we would be installing into our snow plow trucks. Here are some pictures of the equipment.

The first picture is a picture of the tank that is installed into the bottom of the box of the truck where we would normally put salt. This larger tank holds 650 gallons of salt brine. This allows the City of Woodbury to do more anti-icing before a snow event to prevent the bond of snow and ice to the roadway. Once snow is bonded to the roadway it takes more salt to break that bond. The larger tank will also allow us to use less granular salt during snow events and do direct application of salt brine during snow and ice events. Liquid salt brine stays on the roadway better than granular salt. Granular salt tends to bounce when applied to roadways. It also allows for traffic to blow the salt off of the roadway as it travels. Liquid stays on the roadway and is carried by traffic and helps melt the snow and ice on the roadway. Here is a link that will take you to a Clear Roads Site with more information: <https://www.clearroads.org/new-clear-roadsresearch-expanded-guidance-for-applying-liquid-deicers/>. From here you can see the whole report if wanted.







Above is a better look at the spray bar that is mounted to the rear of the plow truck. The spray bar is located underneath the salter of the truck. We currently do not have this on our plow trucks.



Above is a picture of the liquid tank while not before installation into the box of the truck.

Evan Sieben  
Streets Manager  
2301 Tower Drive | Woodbury, MN 55125  
(651) 714-3720 | [www.woodburymn.gov](http://www.woodburymn.gov)



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: City of Woodbury  
Name: Kristin Seaman Title: Environmental Resources Coordinator  
Address: 8301 Valley Creek Road  
City: Woodbury State: MN Zip: 55125  
Phone: (651) 414-3494 Email: kristin.seaman@woodburymn.gov

### PROJECT LOCATION

Description: Interlachen Parking Lot and Improvements  
Address: Interlachen Parkway / Tamarack Road Intersection  
City: Woodbury State: MN Zip: 55125  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: Wilmes Lake

### PROJECT BUDGET

Total Project Cost: \$ 300,000  
CCIP Funding Requested: \$ 150,000  
Other Funding Secured: \$ 150,000  
Other Funding Sources: City Parks and Trails Replacement Fund and Central District Trunk Funds

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

The City identified the desire to remove the parking lot in the south east corner of Interlachen Parkway and Tamarack Road, near the Wilmes Lake Alum Treatment Facility. After eliminating the parking lot, there's an opportunity to re-route the trail and either expand the existing constructed stormwater basin or construct a filtration/infiltration feature adjacent to the basin. Following construction, restoration will be needed throughout the disturbed area.

- B. Describe the water resource problems addressed by the project:

This project will complement the Wilmes Lake Alum Treatment Facility's efforts to decrease phosphorus entering Wilmes Lake and the downstream resources. While design has not started, the City and SWWD could consider different design options pending discussion of shared goals with this project. The City is interested in removing the parking lot and drive lanes, potentially removing or rerouting the trail; the decrease in impervious provides an added benefit for local water quality.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

Water quality benefits will vary depending on the basin construction extent and intended purpose. Additional evaluation of TP and TSS will be conducted prior to construction.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
The basin will be maintained with the City stormwater infrastructure as part of its MS4 requirement.

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
Removing the existing hard surface of the parking lot and improving the route of the existing trail provides a larger benefit than just to the stormwater system and nearby water resources. Decreasing impervious surfaces allows for decrease to the urban heat island, idling of vehicles in the parking lot, and chloride used for snow and ice management. The addition of the pond expansion or filtration/infiltration basin is an additional water quality and habitat benefit to the natural systems that are experiencing increased stressors due to climate change.

F. Describe the anticipated project implementation schedule:  
The City is proposing to remove the parking lot in 2025, and complete construction and start restoration 2025-2026.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.




**Kristin Seaman** Digitally signed by Kristin Seaman  
Date: 2024.03.14 13:16:46 -05'00'

Signature

**03/14/24**

Date



-  Potential new trail alignment
-  Potential stormwater expansion area
-  Existing construction stormwater basin



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: City of Woodbury  
Name: Kristin Seaman Title: Environmental Resources Coordinator  
Address: 8301 Valley Creek Road  
City: Woodbury State: MN Zip: 55125  
Phone: (651) 414-3494 Email: kristin.seaman@woodburymn.gov

### PROJECT LOCATION

Description: La Lake Retreat Center Project  
Address: 6748 Military Road  
City: Woodbury State: MN Zip: 55129  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: La Lake

### PROJECT BUDGET

Total Project Cost: \$ 60,000  
CCIP Funding Requested: \$ 30,000  
Other Funding Secured: \$ 30,000  
Other Funding Sources: City Parks and Trails Replacement Fund and Washington County Well Sealing Grant

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

This grant will assist with abandoning the existing well and septic system at the La Lake retreat center in preparation for the larger- La Lake Park project. The project is expecting to remove the existing retreat facility, which is under-sized for the park needs, and locate a new facility on the northern entrance of the park property, off Bailey Road. The new facility will be served by City water and sewer.

- B. Describe the water resource problems addressed by the project:

The goals of the La Lake Park project are to create a usable facility (served by City utilities) and increase public access to the natural resources. The request for funding to support sealing and abandoning the well and septic will be the start of the larger project, decreasing potential contamination to the surface and groundwater resources.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

La Lake was recently de-listed by the Minnesota Pollution Control Agency for access nutrients. This was largely attributed to the purchase of the property on the northern side of the lake (access from Bailey Road), through partnership with the County. In the next few years, the City plans to improve the park facilities and further restore the woodlands, wetlands and lake shoreline.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
N/A

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
There is a benefit to groundwater and surface water by properly eliminating the well and septic system at the retreat center, and making improvements that are connected to the City's infrastructure for water and sanitary needs.

F. Describe the anticipated project implementation schedule:  
The City has funding to begin demolition of the existing retreat center in 2025. This funding will make it feasible to move forward with demolition and construction of the new facility 2025-2026.

### APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

**Kristin Seaman** Digitally signed by Kristin Seaman  
Date: 2024.03.14 13:25:39 -05'00'

Signature

**03/14/24**

Date

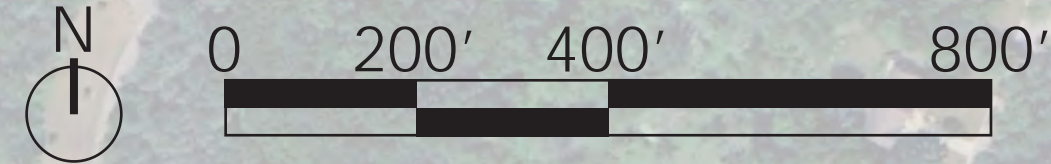


**GUIDING DESIGN PRINCIPLES:**

- SUSTAINABLE DESIGN
- TREATMENT OF STORMWATER & CONTINUE TO IMPROVE WATER QUALITY
- MORE RECREATIONAL OPPORTUNITIES
- CONNECT RESIDENTS TO NATURE THROUGH EDUCATION & INTERPRETATION IN THE PARK
- CATALYST FOR INCREASING NATURAL RESOURCE BASED OPPORTUNITIES AND EXPERIENCES THROUGHOUT WOODBURY

**WATER ACCESS (NON-MOTORIZED):**  
-PUBLIC CARRY IN  
-DNR FISH STOCKING  
-CITY WATER SAMPLING ACTIVITIES

- FUTURE TRAIL CONNECTION IN PARTNERSHIP W/ COUNTY
- NEW TREE BUFFER
- PROPERTY BOUNDARY
- NORTH SITE PLAN ENLARGEMENT
- PAVED ACCESSIBLE TRAIL
- NATURAL SURFACE TRAIL
- EXISTING GATHERING AREA MODEST IMPROVEMENTS:  
-BENCH & FIREPIT?  
-LAKE OVERLOOK
- TRAIL CONNECTION TO RESIDENTIAL DEVELOPMENT
- BOARDWALK OVER WETLAND
- NATURAL SURFACE TRAIL
- PAVED ACCESSIBLE TRAIL LOOP
- SOUTH SITE PLAN ENLARGEMENT



# LA LAKE PARK PLAN

LA LAKE OPEN HOUSE #2



ENTRY DRIVE, 25' WIDE PER CITY STANDARD

NATURAL SURFACE OVERFLOW PARKING

STORMWATER BASIN

NATURAL SURFACE PARKING

FUTURE TRAIL CONNECTION

PARKING LOT (39 stalls)

PICNIC TABLE

OUTDOOR GRILL TYP. PICNIC SHELTER OVERHANG

RESTROOMS & KITCHEN

PICNIC TABLE TYP.

PROGRAMMING/STORAGE ROOM

COUNCIL RING

BEE LAWN

BLUFF SETBACK

INFORMATION CENTER BENCH

PLAYGROUND (ages 2-5)

ROCK PLAY FEATURES

PLAYGROUND (ages 5-12)

SEAT WALL

PLAY SURFACING (WOOD-FIBER)

NATIVE PRAIRIE

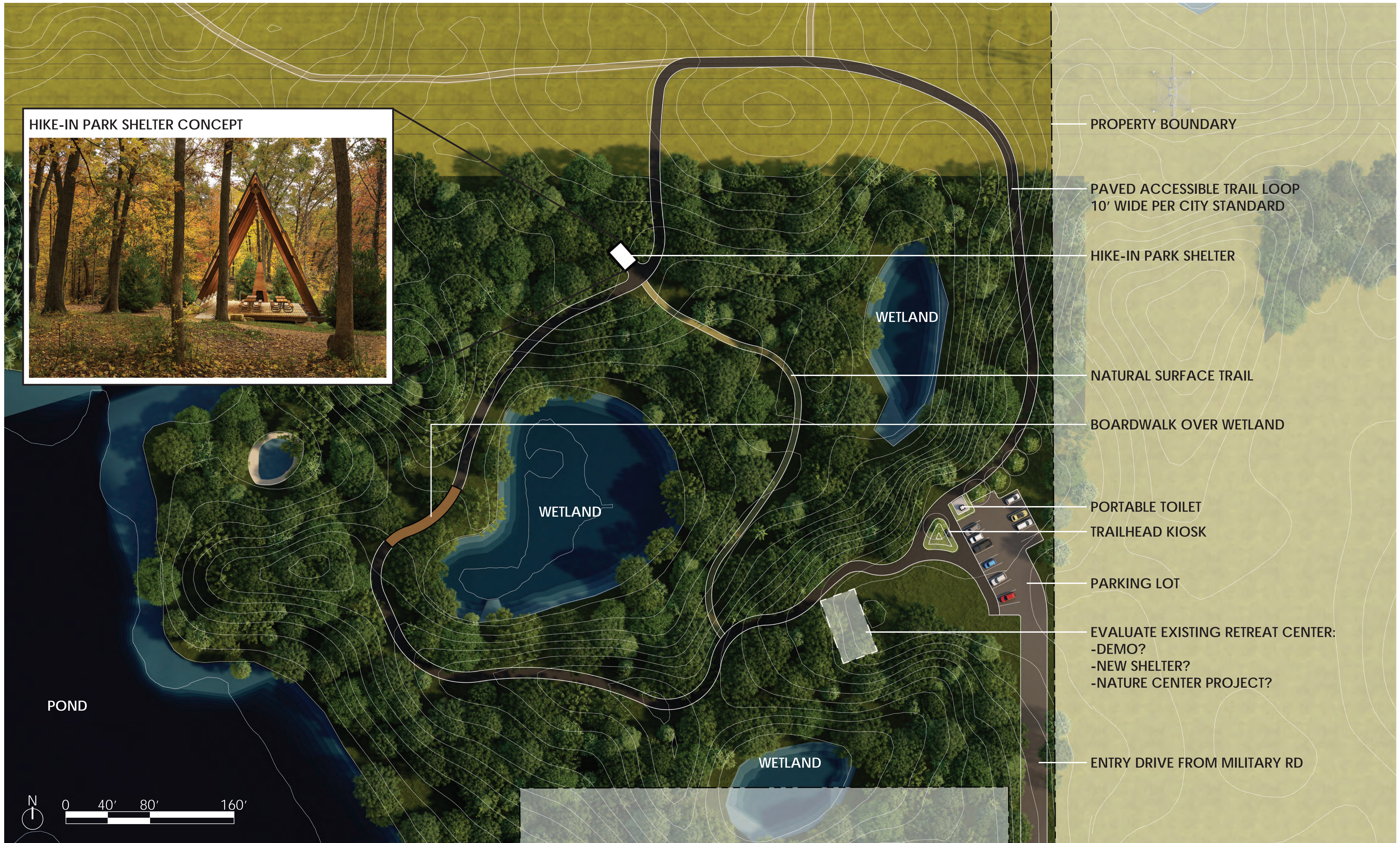
LA LAKE



# NORTH SITE PLAN

LA LAKE OPEN HOUSE #2

HIKE-IN PARK SHELTER CONCEPT



PROPERTY BOUNDARY

PAVED ACCESSIBLE TRAIL LOOP  
10' WIDE PER CITY STANDARD

HIKE-IN PARK SHELTER

WETLAND

NATURAL SURFACE TRAIL

BOARDWALK OVER WETLAND

WETLAND

PORTABLE TOILET

TRAILHEAD KIOSK

PARKING LOT

EVALUATE EXISTING RETREAT CENTER:  
-DEMO?  
-NEW SHELTER?  
-NATURE CENTER PROJECT?

POND

WETLAND

ENTRY DRIVE FROM MILITARY RD



SOUTH SITE PLAN

LA LAKE OPEN HOUSE #2



# SOUTH WASHINGTON WATERSHED DISTRICT

## Coordinated Capital Improvements Program (CCIP) 2024 Application Form

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### APPLICANT INFORMATION

LGU: City of Woodbury  
Name: Kristin Seaman Title: Environmental Resources Coordinator  
Address: 8301 Valley Creek Road  
City: Woodbury State: MN Zip: 55125  
Phone: (651) 414-3494 Email: kristin.seaman@woodburymn.gov

### PROJECT LOCATION

Description: Stormwater Best Management Practice Maintenance  
Address: \_\_\_\_\_  
City: Woodbury State: MN Zip: 55125  
SWWD Watershed Management Unit:  East Mississippi  South Washington  Lower St. Croix  
Primary Waterbody Affected: Various

### PROJECT BUDGET

Total Project Cost: \$ 655,000  
CCIP Funding Requested: \$ 100,000  
Other Funding Secured: \$ 555,000  
Other Funding Sources: City Stormwater Utility Fund

## **PROJECT CONCEPT PLAN** *[check box when complete]*

- Attach drawings, maps, figures, or other supporting material to graphically illustrate the location and/or conceptual design of the project.

## **PROJECT DESCRIPTION** *[attach additional sheets if necessary]*

- A. Briefly summarize the primary goals and outcomes of the project, including proposed best management practices (BMPs):

The City has adopted a Stormwater Best Management Practice Maintenance Plan. The maintenance plan incorporates a holistic approach to maintenance projects, beyond pond dredging. This includes channels, infiltration basins, filtration basins and permeable pavements.

- B. Describe the water resource problems addressed by the project:

The City owns and maintains nearly 1,700 water quality BMPs. These are designed and installed to protect water resources around the City, and downstream resources beyond the City's borders.

- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

The goal of the project is to restore water quality volume of aging infrastructure. City staff is consistently assessing and reviewing maintenance needs, while planning out future years' based on priorities.

D. Explain how long-term operation and maintenance of the project will be accomplished:  
This is an ongoing, annual effort.

E. How does the proposed work increase the resiliency of affected resources and/or systems?  
Restoring water quality capacity increases resilience across the City by maintaining their ability to treat stormwater runoff.

F. Describe the anticipated project implementation schedule:  
While major pond dredging and delta removal is best completed in winter months, maintenance activities on permeable pavement and infiltration/filtration basins occur during the growing season. The project schedule will depend on the determined priorities for 2024-2025, which are currently being evaluated.

## APPLICANT SIGNATURE

I certify to the best of my knowledge that the information included in this application is true, complete, and accurate.

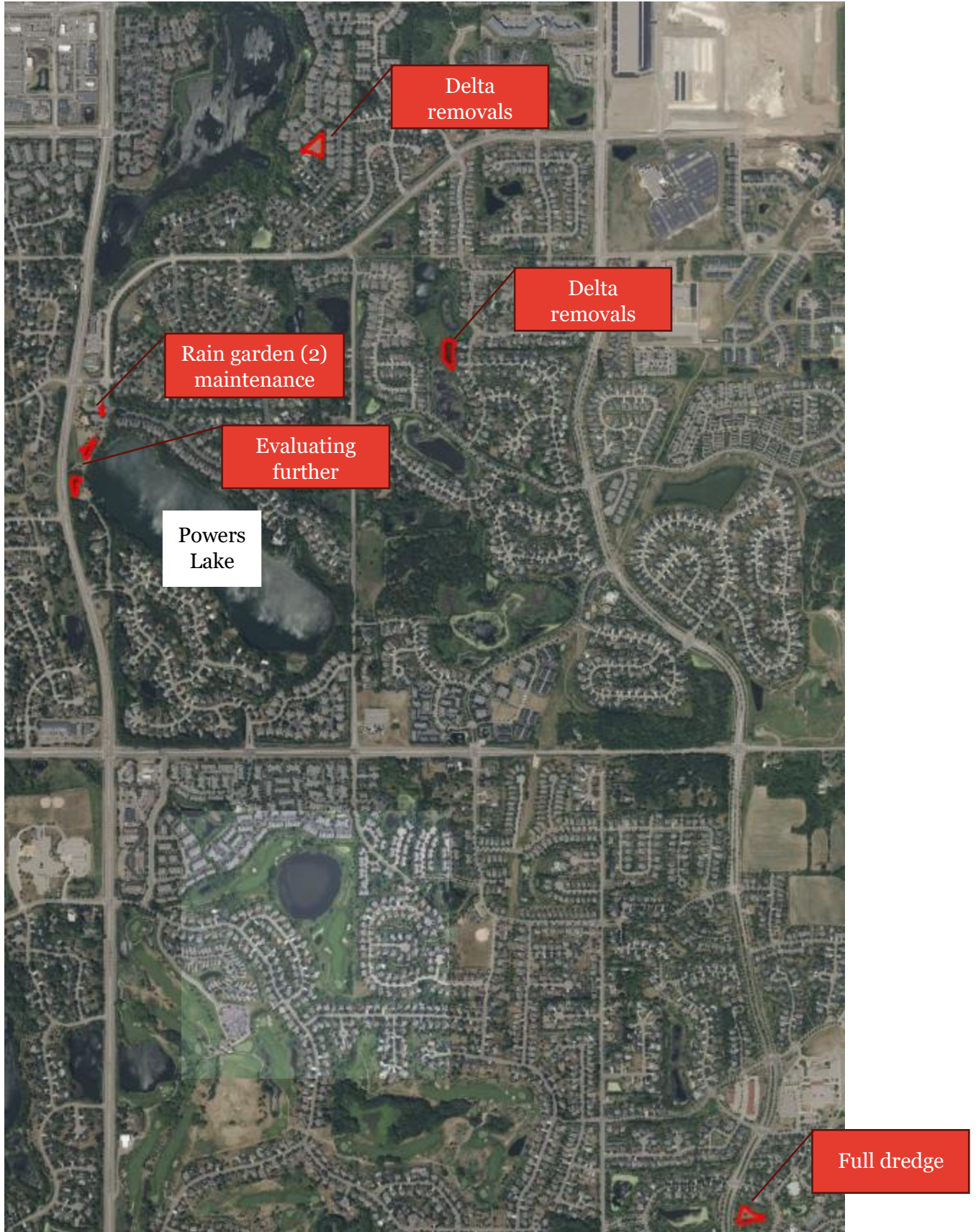
**Kristin Seaman** Digitally signed by Kristin Seaman  
Date: 2024.03.14 13:19:32 -05'00'

Signature

**03/14/24**

Date

The following areas identified have maintenance needs and/or are being evaluated further for maintenance.



The following areas identified have maintenance needs and/or are being evaluated further for maintenance.





The following areas identified have maintenance needs and/or are being evaluated further for maintenance.



The following areas identified have maintenance needs and/or are being evaluated further for maintenance.





<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 8</b>
<b>Title:</b> 2023 Annual Report	<b>Board Action Requested:</b> Accept the 2023 Annual Report and Authorize Submittal to Required State Agencies	<b>Required Signatures</b> None
<b>Reviewed by:</b> JHL		<b>Presented by:</b> Imse
<p><b>Background/Justification:</b> The draft 2023 Annual Report was emailed to the Managers prior to the meeting for review. The approved Annual Report must be submitted to the Minnesota Board of Water and Soil Resources. The 2023 Financial Audit will be completed for the May Board meeting for approval. The audit will be included in the Annual Report. Staff is requesting the Board accept the 2023 Annual Report and authorize submittal to the required State Agencies.</p>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> \$		<b>Comments:</b>
<b>Fund</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                              No Recommendation	<b>Comments</b>



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 9</b>
<b>Title:</b> City of Woodbury, La Lake Request	<b>Board Action Requested:</b>	<b>Required Signatures</b>
<b>Reviewed by:</b> JHL		<b>Presented by:</b> Axtell
<b>Background/Justification:</b> City of Woodbury has requested assistance with the purchase of an existing residential property on La Lake. The entire riparian area of La Lake falls within 10 parcels with about half of the shoreline already being under public ownership. The City desires to add to the public ownership with purchase of a property on the North side of the lake. Approximately half of the ~3 acre parcel drains directly to La Lake. The parcel is within SWWD’s East Mississippi stormwater utility fee area.		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date:</b>
<b>Financial Implications:</b> \$		<b>Comments:</b>
<b>Fund</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> Approval                      Informational Denial <b><u>No Recommendation</u></b>	<b>Comments</b>



8301 Valley Creek Road • Woodbury, MN 55125-3330 • woodburymn.gov  
651-714-3500 • TYY 651-714-3568 • FAX 651-714-3501

April 3, 2024

Mr. John Loomis, Deputy Administrator  
South Washington Watershed District  
2302 Tower Drive  
Woodbury, Minnesota 55125

**Re: La Lake Park Acquisition Cost Share**

Dear Mr. Loomis,

Please find the attached a letter requesting consideration of a cost share for a potential property acquisition at 6895 Bailey Road, Woodbury, Minnesota 55129. As we have discussed, the City of Woodbury and the South Washington Watershed District (SWWD), are very interested in implementation of projects that secure properties adjacent to La Lake, increase access to La Lake Park, and provide opportunities for enhancement of water quality and restoration benefits.

As recent as 2022, the City completed a planning study that identified priority improvements based on evaluation of the natural resources, internal project meetings, public engagement meetings, community makeup and consideration of other nearby amenities. SWWD engaged in the planning and design process and helped to identify project priorities, including protection of the localized watershed of La Lake, which is contained entirely by the properties surrounding La Lake.

As you are aware, in early 2023, the City engaged the property owner at 6781 Bailey Road, for a potential acquisition. That opportunity was lost when the landowner sold that property to a different buyer. At the time, the City had already submitted a grant proposal for the project to the Department of Natural Resources (DNR) Scenic and Natural Areas program, and was subsequently awarded \$425,000. Concurrently, Washington County had also submitted an approved Board letter of support for the proposal, signaling that it would be willing to contribute to the project by funding \$251,000 of the acquisition costs, using existing Land and Water Legacy Program funding.

Shortly thereafter, another nearby potential acquisition parcel on La Lake emerged. Because the project was conceptually similar and nearly adjacent to La Lake with a similar cost estimate, the City inquired if the DNR would be able to consider shifting the awarded grant funds to the new parcel. The DNR indicated it would consider the alternate parcel and the funding has since been approved.

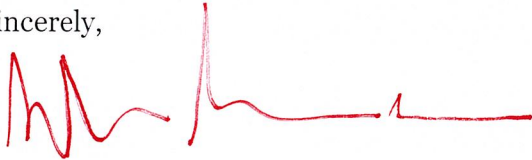
As we discussed, even with the two external funding sources there still remains a gap in funding for the acquisition in the amount of \$412,000. Preliminary discussions in early 2023, indicated SWWD support for the project in an amount to be determined based on a percentage of the funding gap; in this case fifty percent of the gap.

**City of Woodbury**  
**April 3, 2024**  
**Page 2 of 2**

In summary, the City has had a long history of working cooperatively with SWWD to promote water quality and preservation of the natural environment. We appreciate your continued willingness to partner on property acquisition. Please consider cost sharing a portion of this acquisition. The level of support requested is between \$175,000 and \$200,000, for up to fifty percent of the current gap in funding. This effort would further strengthen collaborative relationships between agencies and further protect water resources in the SWWD.

Thank you for your consideration,

Sincerely,

A handwritten signature in red ink, appearing to be 'Josh Kinney', written over a horizontal line.

Josh Kinney  
Parks Planner

JK/bjr  
Enclosure



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 10</b>
<b>Title:</b> Personnel Discussion	<b>Board Action Requested:</b>	<b>Required Signatures</b>
<b>Reviewed by:</b> JHL		<b>Presented by:</b>
<b>Background/Justification:</b>  As part of the termination process with PERA for Matt Moore, there is a question for the Managers of <i>Is there, or will there be, any verbal or written agreement for rehire (this includes independent contractor work) in effect prior to termination?</i>  Staff is requesting Board direction on this question prior to Matt’s departure on May 2.		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> \$		<b>Comments:</b>
<b>Fund:</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                              No Recommendation	<b>Comments</b>



<b>Date: April 5, 2024</b>	<b>South Washington Watershed District Request for Board Action</b>	<b>Agenda Item # 11</b>
<b>Title:</b> Future Business and Meetings	<b>Board Action Requested:</b>	<b>Required Signatures</b>
<b>Reviewed by:</b> JHL		<b>Presented by:</b>
<b>Background/Justification:</b> <ol style="list-style-type: none"> <li>I. Regular Board Meeting, Tuesday, April 9, 2024 <i>5pm</i></li> <li>II. Watershed Management Plan Workshop, Tuesday, April 9, 2024 after meeting</li> <li>III. Regular Board Meeting, Tuesday, May 14, 2024 6pm</li> <li>IV. Joint Meeting with Cities of Woodbury and Cottage Grove, Wednesday, May 29, 2024 5pm</li> <li>V. Regular Board Meeting, Tuesday, June 11, 2024 6pm</li> <li>VI. SWWD CAC Meeting, Tuesday, June 25, 2024 5:30pm</li> <li>VII. Minnesota Watersheds Summer Tour, June 25-27, 2024</li> <li>VIII. SWWD Board Tour-Spring TBD</li> </ol>		
<b>Previous Action:</b> None		<b>Contact:</b> MMM
<b>Date Received:</b> April 5, 2024	<b>SWWD Administrator/Date:</b> April 5, 2024	<b>SWWD Attorney/Date</b>
<b>Financial Implications:</b> \$		<b>Comments:</b>
<b>Fund:</b>	<b>Explanation:</b>	<b>Fund Balance:</b>
<b>Decision Needed/Date</b>	<b>Administrative Recommendation</b> <u>Approval</u> Informational Denial                              No Recommendation	<b>Comments</b>