



SOUTH WASHINGTON WATERSHED DISTRICT

**South Washington Watershed District-Regular Meeting
Tuesday, April 8, 2025 6:00 p.m.
City of Woodbury Public Works building
2301 Tower Drive**

AGENDA

- 1) Call to Order and Setting of Agenda
- 2) Public Open Forum
- 3) Consent Agenda
- 4) Manager Reports
- 5) Administrator's Report
 - a) Project Update
 - b) 2025 Stormwater Utility Fee Correction Update
 - c) Wilmes Alum Treatment Facility – Morcon Change Order 5
 - d) 3M Priority 2 Grant Requests
 - e) Vandenberg LOI
 - f) Agreements Authorized by Administrator
- 6) 2025 Coordinated Capital Improvement Program Grants
 - a) Discussion: 2025 Coordinated Capital Improvement Program Grants
 - b) Decision: Authorize the SWWD Administrator to Execute Agreements for Approved Projects
- 7) 2025 Artist-in-Residence Selection
 - a) Discussion: 2025 Artist-in-Residence Selection
 - b) Decision: 2025 Artist-in-Residence Selection
- 8) Wilmes Alum Treatment Facility Public Art Selection
 - a) Discussion: Wilmes Alum Treatment Facility Public Art Selection
 - b) Decision: Wilmes Alum Treatment Facility Public Art Selection
- 9) 2024 Annual Report
 - a) Discussion: 2024 Annual Report
 - Decision: 2024 Annual Report

Post Until 4/9/2025

- 10) 2025 Water Efficiency Program Support
 - a) Discussion: 2025 Water Efficiency Program Support
 - b) Decision: City of Woodbury 2025 Water Efficiency Program Support
 - c) Decision: City of Cottage Grove 2025 Water Efficiency Program Support
- 11) City of Woodbury Hasenbank Agreement Amendment 2025-40-1460
 - a) Discussion: City of Woodbury Hasenbank Amendment 2025-40-1460
 - b) Decision: City of Woodbury Hasenbank Amendment 2025-40-1460
- 12) USACE CAP Request Letter
 - a) Discussion: CAP Request Letter for Grey Cloud Slough Feasibility Study
 - b) Decision: CAP Request Letter for Grey Cloud Slough Feasibility Study
- 13) AIS Spring Treatment, Stantec Task Order #2025-001
 - a) Discussion: 2025 Spring Treatment to Markgrafs and Wilmes (north basin), Stantec Task Order #2025-001
 - b) Decision: 2025 Spring Treatment to Markgrafs and Wilmes (north basin), Stantec Task Order #2025-001
- 14) Resolution 2025-002, Brian Johnson Recognition
 - a) Decision: Resolution 2025-002
- 15) Future Business and Meetings
 - a) Brian Johnson Recognition, Tuesday, April 8 5pm
 - b) Regular Board Meeting, Tuesday, April 8, 2025 6pm
 - c) Board Workshop and Regular Meeting, May 13, 2025 5pm
 - d) Regular Board Meeting, Tuesday, June 10, 2025 6pm
 - e) SWWD CAC Meeting, Tuesday, June 24, 2025 5:30pm
 - f) Minnesota Watersheds Summer Tour, Roseau River Watershed, June 24-26, 2025
- 16) Adjourn

Consent Agenda-April 8, 2025

- a) Approval of Minutes
 - i) 3/11/2025 Regular Meeting
- b) Treasurers Report
 - i) Accounts payable
 - ii) Financials year to date and Fund Balances
- c) Calendar/Meetings
 - i) Brian Johnson Recognition, Tuesday, April 8 5pm
 - ii) Regular Board Meeting, Tuesday, April 8, 2025 6pm
 - iii) Board Workshop and Regular Board Meeting, Tuesday, May 13, 2025 5pm
 - iv) Regular Board Meeting, Tuesday, June 10, 2025 6pm
 - v) SWWD CAC Meeting, Tuesday, June 24, 2025 5:30pm
 - vi) Minnesota Watersheds Summer Tour, Roseau River Watershed, June 24-26, 2025

Post Until 4/9/2025

- d) Development Reviews
 - i) Final
 - (1) None
 - ii) On Going
 - (1) La Lake/Bailey Meadows, Newport
 - (2) Cherrywood/Cherry Meadow, Newport/Woodbury
 - (3) Lake Elmo WTP, Lake Elmo
 - iii) New
 - (1) None
- e) Wetland Conservation Act
 - i) Notice of Decision-Tanks and Briar Parcels, Oakdale
- f) Cost Share Program
 - i) Application-Jesse Nelson, St. Paul Park (\$1,250.00)
- g) Miscellaneous Correspondence

Post Until 4/9/2025



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item a
Title: SWWD Board Minutes	Board Action Requested: Approval of Minutes: 3/11/2025 Regular Meeting 3/26/2025 Special Meeting	Required Signatures SWWD Secretary
Reviewed by: JHL		
Background/Justification:		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: N/A		Comments:
Fund N/A	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments

**Regular Meeting
South Washington Watershed District
Tuesday, March 11, 2025 6:00 p.m.
City of Woodbury Public Works Building**

1. Call to Order and Setting of Agenda

Manager Doucette called the meeting to order at 6:00 pm. A motion was made by Manager Johnson to approve the Agenda. Manager Madigan seconded. Motion carried unanimously.

Roll Call:

- Sharon Doucette, President
- Mike Madigan, Secretary
- Brian Johnson, Manager

Staff:

- John Loomis, Administrator
- Melissa Imse, Operations Manager
- Kyle Axtell, Watershed Project Manager
- Abby Tekiela, Water Resources Program Coordinator
- Tony Randazzo, Watershed Restoration Specialist

Others:

- Jack Clinton, SWWD Attorney
- David Clausen, City of Cottage Grove Councilmember

2. Public Open Forum. Councilmember, David Clausen with the City of Cottage Grove introduced himself as the City liaison to SWWD.

3. Consent Agenda

Items on the Consent Agenda include: February 11, 2025 Regular Board Meeting minutes, February Claims Roster and Treasurer's Report: accounts payable \$414,320.47, accounts receivable \$42,649.23, 4M fund balance \$10,191,901.45, Calendar of Events, Development Reviews, Wetland Conservation Act, Cost Share, and Miscellaneous Correspondence. A motion was made by Manager Johnson to approve the Consent Agenda. Manager Madigan seconded. Motion carried unanimously.

4. Manager's Report

Manager Doucette—Manager Doucette reported that she and Manager Stephens met with Cottage Grove City Staff and SWWD Staff regarding possible property acquisition around Vanderberg Lake.

Manager Madigan—None.

Manager Johnson—Manager Johnson reported that he attended the Woodbury Commission meeting.

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, Colby Lake Retrofit Analysis, Northern Watershed/CDSF/East Ravine Review and Optimization, Cottage Grove Ravine Regional Park, St. Croix Bluffs Regional Park, CR74-65th and Geneva, Watershed

Plan Update, In-Lake AIS Management, Newport Open Space Planning, and Armstrong Lake Wetland Cattail Harvesting.

3M Priority 2 Funding. The Minnesota DNR has published a Request for Proposals for the 3M PFAS Settlement Priority 2 Grant Program. The first phase involves submitting Letters of Interest by April 4, 2025. Eligible projects must help to achieve one or more of the Priority 2 settlement goals:

- **Goal 1** – Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats.
- **Goal 2** – Increase understanding of fish tissue contamination, improve communication about PFAS-based fish consumption advisories, and identify and enhance alternative, non-contaminated fishing areas.
- **Goal 3** – Improve and enhance outdoor recreational opportunities.

Applicants can apply for no less than \$20,000 per project. No match is required, although leveraged funding is part of the review process. 50% or more of the proposed project activities must take place within the Priority 2 Project Area (see attached map).

SWWD staff have begun preparing its own applications in addition to surveying partners to learn about potential applications that could involve SWWD. These are the projects that SWWD staff are currently considering:

- Lower Grey Cloud Slough Habitat Improvement Project; partnership with DNR & ACOE, possibly Cottage Grove and Washington County (up to \$4 million request)
- SWWD Glacial Valley Park Interpretive Center (up to \$1.5 million request)
CR74 Ravine Stabilization; partnership with Washington County & Marathon Refinery (\$300,000 request).

Vanderberg Lake. SWWD Managers and Staff met with Cottage Grove City Staff and Steven Geis regarding possible property acquisition around Vanderberg Lake. The SWWD is interested in 50 acres for conservation and restoration. The City of Cottage is also interested in purchasing land for dedicated park space. No action taken by the Board.

City of Cottage Grove Street Sweeping Program. City of Cottage Grove began implementing its enhanced sweeping program in 2024. Because of the late summer windstorm and subsequent cleanup, enhanced sweeping was limited. Much of the material that would have been picked up did end up getting picked up as part of the City's baseline sweeping program following extended dry weather. SWWD does not reimburse Cities for their baseline sweeping programs.

Between baseline and enhanced sweeping efforts, the City of Cottage Grove collected 1,387 tons of material and an estimated 1,052 lbs of phosphorus. The City has requested reimbursement of \$8,530.39 which the District will pay under the existing agreement.

Agreements Authorized by Administrator. SWWD's accounting policies authorizes the Administrator to approve purchases up to \$5,000 on behalf of the District. No agreements were approved for February.

6. **Minnesota Watersheds Special Meeting.** The Minnesota Watersheds is holding a special meeting of its membership on Friday March 21 in Waite Park to consider proposed bylaws changes. The Board can appoint up to 2 managers as SWWD delegates for the meeting. Manager Madigan and Manager Johnson volunteered to serve as the SWWD delegates.

- 7. 2024 Aquatic Vegetation Survey Results and the 2025 AIS Management Professional Services.** In 2024, Stantec Consulting Services conducted aquatic plant surveys across eight lakes within the South Washington Watershed District, with two surveys per lake, one in June and another in August. These surveys aimed to assess aquatic plant communities and invasive species (AIS) presence in the early and late seasons. The survey found that many lakes were highly vegetated, with the littoral zones generally covered by aquatic plants. Armstrong Lake exhibited the highest species richness (14 species), while Ravine and Markgrafs Lakes had the lowest (7), with higher AIS abundance in Bailey, Powers, and Ravine Lakes. EWM and CLP are known invasive species in District Lakes, and all lakes sampled had one or both species present. Lakes such as Colby and La had no CLP detected in either survey. The survey also included AIS treatment and removal strategies, with recommendations for 2025 management based on DNR Lake Vegetation Management Plan (LVMP) guidelines. These recommendations include continued monitoring and additional management actions. Vegetation management in 2025 will build upon the work completed in 2024 with Stantec Consulting, proposed tasks are outlined in the Scope of Work for 2025 Lake Vegetation Monitoring and Management. AIS management tasks will include early and late season surveys, herbicide treatment, monitoring report, and general project management. An aquatic plant transplant event has also been proposed for Ravine Lake and included in the 2025 scope. The financial implication of the proposed 2025 scope of work is \$59,562. A motion was made by Manager Johnson to approve the 2025 AIS Management agreement with Stantec for up to \$59,562. Manager Madigan seconded. Motion carried unanimously.
- 8. Cottage Grove Still Ponds Natural Resource Management Plan.** The SWWD is working with the City of Cottage Grove to provide technical assistance at Still Ponds Park to restore and enhance the ecological integrity of the natural communities. In order to continue with sound ecological planning and restoration efforts, and apply for grant funding, the SWWD has requested that the Washington Conservation District develop a Natural Resources Management Plan (NRMP). This plan will provide an assessment of current conditions, future prescribed natural communities, management and installation strategies and cost estimates to be used by the City to pursue grant funding opportunities. The Still Ponds Park site fits within the SWWD management strategy of supporting healthy ecological communities through protection of high-quality natural communities that include open water, wetland and upland types. A motion was made by Manager Madigan to approve the Cottage Grove Still Ponds Natural Resource Management Plan Task Order with WCD for up to \$7,500. Manager Johnson seconded. Motion carried unanimously.
- 9. Glacial Valley Park/CDSF Vegetation Management Addendum.** The SWWD manages approximately 250 acres of natural open spaces as part of the Glacial Valley Park stormwater and park facility. Areas surrounding the Cedarhurst developments in Cottage Grove were not included in the original management areas but are owned by the Watershed District. SWWD staff have been working with a contractor to restore these areas for the past three growing seasons. Establishment has been spotty but is progressing. Great River Greening (GRG) has been managing the bulk of the Glacial Valley Park site. This addendum to the 2022 contract with GRG will incorporate the continued establishment of 4.2 acres into GRG management activities. A motion was made by Manager Johnson to approve the Addendum to the SWWD GVP and Ravine Parkway maintenance contract with Great River Greening for up to \$8,500. Manager Madigan seconded. Motion carried unanimously.
- 10. Campus Greening Vegetation Maintenance Contract.** Campus Greening projects are well established throughout the South Washington School District but persistent establishment and maintenances concerns remain as current restoration contracts expire. This contract will provide additional establishment and management needs on three of the

campus (Crestview, Valley Crossing and Nuevas Fronteras Elementary Schools) by Great River Greening crews. Activities will primarily involve spot mowing and herbicide treatments of persistent weed species to support continued establishment of native plant communities. This effort will also include a woodland/savanna prescribed burn in the Outdoor Laboratory area at Crestview Elementary School. A motion was made by Manager Johnson to approve the contract with Great River Greening the Campus Greening Vegetation maintenance for up to \$24,900. Manager Madigan seconded. Motion carried unanimously.

- 11. Wilmes Alum Treatment Facility-Morcon Change Order 5.** The clay liner installed in the settling basin at this facility has failed to meet specifications. The contractor has been notified in writing by the engineer of this situation. Two offers were made, to either leave it as-is and have the contractor accept a 50% line item deduct (\$29,660) for defective work or have the contractor install an LLDPE liner to correct the problem, at a discount. Morcon has elected to install a new LLDPE liner. Morcon's original estimate for Change Order 5 was \$162,255. Our team has negotiated that cost down to \$125,555 (a savings of \$36,700). There may be some minor adjustments to the final cost before we are done negotiating. We also anticipate adjusting the substantial and final completion dates to late May or early June 2025. The LLDPE liner requires consistent ambient temperatures to exceed 60 degrees for proper installation. We understand that the materials associated with the LLDPE liner may require a 6-8 week lead time. As time is of the essence, staff requests that the Board authorize the Administrator to execute Morcon Change Order 5 for an amount not to exceed \$130,000. A motion was made by Manager Johnson to authorize the District Administrator to sign Morcon's change order 5 if it is in the best interest for the District to do so. Manager Madigan seconded. Motion carried unanimously.

12. Future Business and Meetings.

- a) Minnesota Watersheds membership meeting, Friday, March 21, 2025 Waite Park
- b) CAC Meeting, Tuesday, March 25, 2025 5:30pm
- c) CAC Meeting (if needed for CCIP review), Tuesday, April 1, 2025 5:30pm
- d) Brian Johnson Recognition, Tuesday, April 8 5pm
- e) Regular Board Meeting, Tuesday, April 8, 2025 6pm
- f) Board Workshop and Regular Board Meeting, May 13, 2025 5pm

13. Adjourn

The next regular Board Meeting will be held on Tuesday, April 8th at 6:00 pm. A motion was made by Manager Johnson to adjourn at 7:30 p.m. Manager Madigan seconded. Motion carried unanimously.

Respectfully submitted,

Melissa Imse

Melissa Imse, Operations Manager

Approved By:

Mr. Mike Madigan, Secretary

Date

**Special Meeting
South Washington Watershed District
Wednesday, March 26, 2025 6:00 p.m.
City of Woodbury Public Works Building**

1. Call to Order and Setting of Agenda

Manager Doucette called the meeting to order at 6:00 pm. A motion was made by Manager Johnson to approve the Agenda. Manager Madigan seconded. Motion carried unanimously.

Roll Call:

- Sharon Doucette, President
- Emily Stephens, Vice President
- Kevin ChapdeLaine, Treasurer
- Mike Madigan, Secretary
- Brian Johnson, Manager

Staff:

- John Loomis, Administrator
- Melissa Imse, Operations Manager

Others:

- Jack Clinton, SWWD Attorney

- 2. 2025 Stormwater Utility Fees.** The purpose of the Special Meeting was to discuss the 2025 SWWD Stormwater Utility Fee overcharged/undercharged parcels. Administrator Loomis provided background and the resolution on the overcharged parcels. Staff have worked with Washington County Staff on a solution for the overcharged parcels through an abatement process. The managers reviewed the parcel data, abatement form, and Resolution 2025-001, authorizing the abatement of the 561 parcels that were overcharged by more than \$25.00. After discussion, a motion was made by Manager Madigan to approve Resolution 2025-001. Manager ChapdeLaine seconded. Motion carried unanimously. Staff will bring the undercharged parcels to a future SWWD Board meeting for discussion.

3. Adjourn

A motion was made by Manager Johnson to adjourn at 6:15 p.m. Manager Madigan seconded. Motion carried unanimously.

Respectfully submitted,

Melissa Imse

Melissa Imse, Operations Manager

Approved By:

Mr. Mike Madigan, Secretary

Date



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item b
Title: SWWD Monthly Accounting	Board Action Requested: Approval of: Treasurers Report Accounts payable for March 2025 Kevin ChapdeLaine Per Diem	Required Signatures SWWD Treasurer
Reviewed by: JHL		
Background/Justification Accounts Payable March 25: \$283,063.89 Accounts Receivable March 25: \$40,549.87 4M fund Balance March 25: \$9,877,470.90		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: N/A		Comments:
Fund N/A	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments

South Washington Watershed District
Claims Roster
March-25



SOUTH WASHINGTON
WATERSHED DISTRICT

Vendor	Description	Invoice #	Amount
Kevin ChapdeLaine	Jan-March 2025 Per Diem	See Attached	\$ 375.00
City of Woodbury	Enhanced Street Sweeping	734	\$ 88.70
City of Woodbury	Irrigation Controllers	703	\$ 12,026.73
City of Woodbury	BMP Maintanance CCIP	749	\$ 100,000.00
City of Woodbury	May Rent		\$ 3,429.27
City of Woodbury	Wilmes Lake Alum Treatment Facility	750	\$ 1,800.00
Steve Radke	Ag BMP Resimbursement	See Attached	\$ 21,490.84
Washington County	Stormwater Utility Set Up	229486	\$ 15,000.00
Payroll, Benefits, and EFT Payments	18 EFT, 10 Direct Dep, 2 Checks		\$ 128,853.35
Minnesota Life Ins. Co.	April 2025 Life Prem	Check	\$ 210.45
Madison National Life	April 2025 LTD and STD	Check	\$ 285.69
Health Partners	Insurance Premium	EFT	\$ 6,083.10
US Bank Credit Card	Credit Card Payment	EFT	\$ 83.20
US Bank Equipment	Copier Rental	EFT	\$ 199.62
Optum	H.S.A. Fee	EFT	\$ 12.75
Abdo	February 2025 Payroll	502705	\$ 430.00
Barr Engineering	Lakes & Creek Management Plan	23821336.00-10	\$ 10,788.50
Barr Engineering	La and Ria Lakes Outlet	23821345.00-4	\$ 24,949.00
Barr Engineering	Wilmes IESF Feasibility Study	23821349.00-2	\$ 1,323.94
Hellmuth & Johnson Legal	February Legal Services	EFT	\$ 1,890.04
Houston Engineering	65th and Geneva Inv 75360	EFT	\$ 2,117.25
MnDNR	CG Ravine Public Waters Permit	EFT	\$ 2,313.65
SRF Consulting	Ravine Lake Outlet INV 17696.00-10 Feb	EFT	\$ 6,206.16
SRF Consulting	Colby INV 17866.00-8 Feb	EFT	\$ 4,498.53
Stantec	2024 Aquatic Plants Survey	2359212	\$ 1,713.00
Stantec	SWWD Inspection App	2360904	\$ 86.00
Washington Conservation District	Feb Monitoring Inv 6904	EFT	\$ 15,170.03
Washington Conservation District	Feb Tech Services Inv 6919	EFT	\$ 1,396.00
Xcel Energy	Wilmes	EFT	\$ 605.26
			\$ 283,063.89

Accounts Receivable	Description	Check #	Amount
Barr Engineering and LMC	Hasenbank Payment and Insurance Dividend		\$ 4,013.00
4M	March Interest		\$ 36,536.87
	Total		\$ 40,549.87

Kevin ChapdeLaine, SWWD Treasurer	Date April 8, 2025



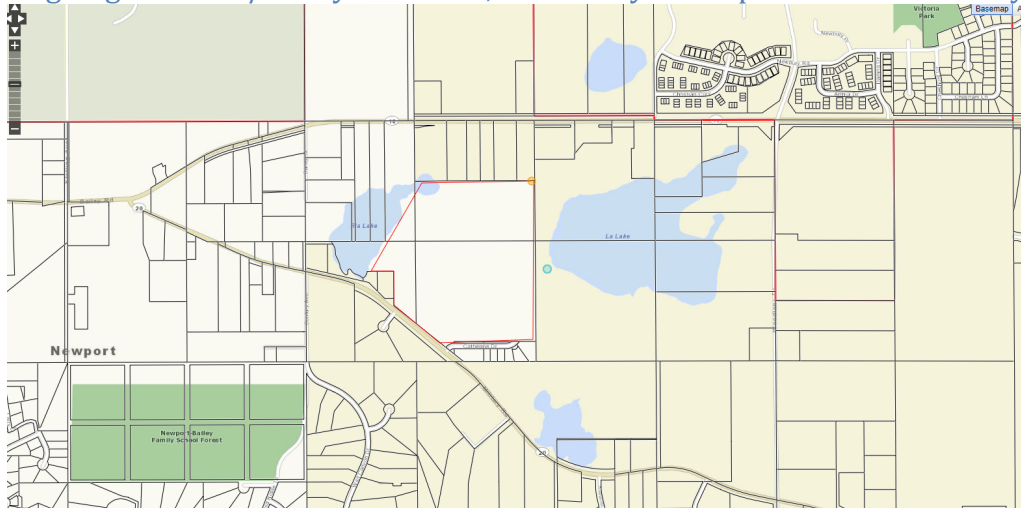
Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item c
Title: SWWD Calendar	Board Action Requested: None Requested	Required Signatures
Reviewed by: JHL		
Background/Justification: Calendar/Meetings i) Brian Johnson Recognition, Tuesday, April 8 5pm ii) Regular Board Meeting, Tuesday, April 8, 2025 6pm iii) Board Workshop and Regular Board Meeting, May 13, 2025 5pm iv) Regular Board Meeting, Tuesday, June 10, 2025 6pm v) SWWD CAC Meeting, Tuesday, June 24, 2025 5:30pm vi) Minnesota Watersheds Summer Tour, Roseau River Watershed, June 24-26, 2025		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: N/A		Comments:
Fund N/A	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation Approval <u>Informational</u> Denial No Recommendation	Comments



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item d
Title: Development Reviews	Board Action Requested: None Requested	Required Signatures
Reviewed by: JHL		
Background/Justification: Development Reviews i) <u>Final</u> (1) None ii) <u>On Going</u> (1) La Lake/Bailey Meadows, Newport (2) Cherrywood/Cherry Meadow, Newport/Woodbury (3) Lake Elmo WTP, Lake Elmo iii) <u>New</u> (1) None		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: N/A		Comments:
Fund N/A	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation Approval Informational Denial <u>No Recommendation</u>	Comments

March 2025 Development Reviews

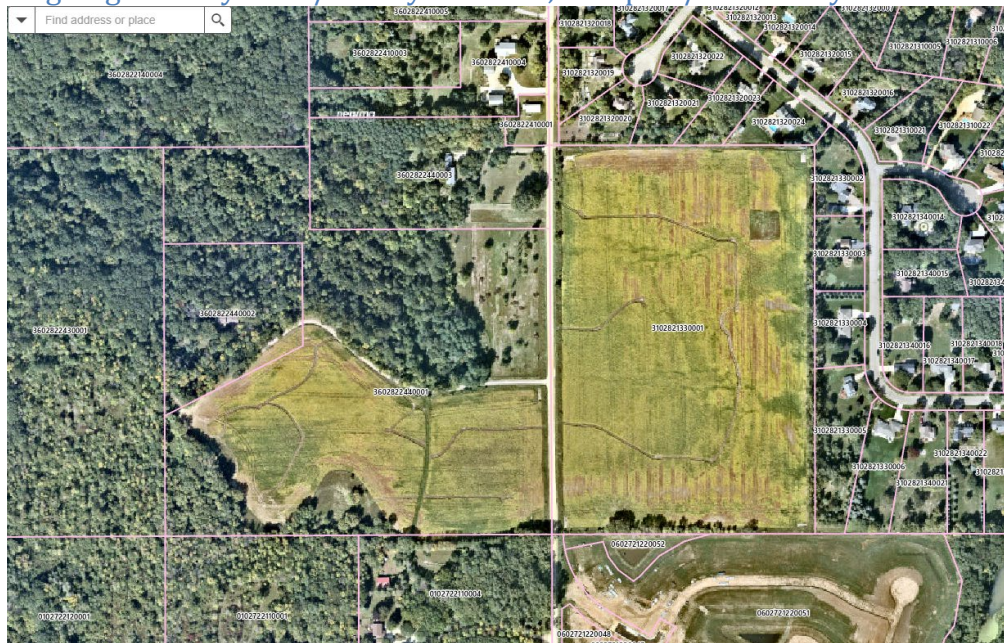
Ongoing: La Lake/Bailey Meadows, Woodbury – Newport intercommunity flow



March 2025: No change.

November 2024: SWWD, Washington County, Woodbury, and Newport continue to collaborate on system improvements following high water in 2019 and 2020. Woodbury has developed potential improvements through the Woodbury portion of the system. SWWD and its consultants have begun modeling the system and proposed improvements as well as their downstream impacts through Newport and to the Mississippi River.

Ongoing: Cherrywood/Cherry Meadow; Newport/Woodbury



March 2025: Woodbury has approved final plat and development agreement for the Cherry Meadows development on the Woodbury side.

November: Woodbury has approved preliminary plat of the Cherry Meadows development on the Woodbury side. Newport is still going through their permitting process to address ongoing concerns with the Cherrywood development on the Newport side.

June: Staff is assisting Newport with review of a proposed development on the Newport/Woodbury border. Cherrywood, on the Newport side, is up against the bluff. The developer is having difficulty meeting SWWD's bluff setback of 60 feet. SWWD's bluff buffer is far greater than that required by the City and State. Staff believes that reducing the District's setback in exchange for directing all drainage from impervious surfaces away from the bluff and additional landscape/restoration requirements to stabilize the bluff would meet the intent of the District's rule. The bluff buffer would be incorporated into an outlot instead of individual parcels for protection and future management. The resulting condition would be a 30' buffer of native vegetation plus a minimum 12' setback from the edge of the buffer to any structure.

Ongoing: Lake Elmo WTP; Lake Elmo

March 2025: No change.

December 2024: Lake Elmo is looking for sites for a future well and water treatment plant to remove PFAS from the City's drinking water supply. The site they are currently looking at sits upstream of Armstrong Lake. As part of the feasibility assessment, the city is required to do a 72 hour pump test at the site which would require continuous pumping of ~3cfs. That water would ultimately discharge into Armstrong Lake. SWWD modeled the inflow in the District's NWS XP model to evaluate potential downstream impacts. Even under a concurrent flood scenario there is no impact.

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 2025.

- Prairie Dunes Final Plat
- Graymont Village 3rd Addition Final Plat, Development Agreement, Plans

Final: Municipal Reviews, Woodbury

The City of Woodbury enforces compliance with District rules through City permits. The following projects have been permitted in 2025.

- Math and Science Academy Upper School Final Plat
- Cherry Meadow Final Plat, Development Agreement
- Sienna Grove Final Plat, Development Agreement



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item e
Title: Wetland Conservation Act	Board Action Requested:	Required Signatures SWWD Administrator
Reviewed by: JHL		
Background/Justification: i) Notice of Decision-Tanks and Briar Parcels, Oakdale		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: N/A		Comments:
Fund N/A	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments

Minnesota Wetland Conservation Act Notice of Decision

Local Government Unit: SWWD	County: Washington
Applicant Name: Tracey Rust, TCLD Applicant Representative: Melissa Barrett	
Project Name: Tank and Brier Parcels No Wetland Delineation	LGU Project No. (if any):
Date Complete Application Received by LGU: 01-24-25	
Date of LGU Decision: 04-03-25	
Date this Notice was Sent: 04-03-25	

WCA Decision Type - check all that apply

<input checked="" type="checkbox"/> Wetland Boundary/Type <input type="checkbox"/> Sequencing <input type="checkbox"/> Replacement Plan <input type="checkbox"/> Bank Plan (not credit purchase)
<input type="checkbox"/> No-Loss (8420.0415) <input type="checkbox"/> Exemption (8420.0420)
Part: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H Subpart: <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9

Replacement Plan Impacts (replacement plan decisions only)

Total WCA Wetland Impact Area:
Wetland Replacement Type: <input type="checkbox"/> Project Specific Credits:
<input type="checkbox"/> Bank Credits: LRRP
Bank Account Number(s):

Technical Evaluation Panel Findings and Recommendations (attach if any)

<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Approve w/Conditions <input checked="" type="checkbox"/> Deny <input type="checkbox"/> No TEP Recommendation

LGU Decision

<input type="checkbox"/> Approved with Conditions (specify below) ¹ <input checked="" type="checkbox"/> Approved ¹ <input type="checkbox"/> Denied
List Conditions:
Decision-Maker for this Application: <input checked="" type="checkbox"/> Staff <input type="checkbox"/> Governing Board/Council <input type="checkbox"/> Other:
Decision is valid for: <input checked="" type="checkbox"/> 5 years (default) <input type="checkbox"/> Other (specify):

¹ *Wetland Replacement Plan approval is not valid until BWSR confirms the withdrawal of any required wetland bank credits. For project-specific replacement a financial assurance per MN Rule 8420.0522, Subp. 9 and evidence that all required forms have been recorded on the title of the property on which the replacement wetland is located must be provided to the LGU for the approval to be valid.*

LGU Findings – Attach document(s) and/or insert narrative providing the basis for the LGU decision¹.

The applicant requested boundary and type approval for NO WETLANDS on the site. The TEP reviewed the application and concurs there are no wetlands within the study area. The LGU concurs with the TEP findings. The decision is valid for 5 years.
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¹ *Findings must consider any TEP recommendations.*

Attached Project Documents

<input checked="" type="checkbox"/> Site Location Map <input checked="" type="checkbox"/> Project Plan(s)/Descriptions/Reports (specify): Level 1 Summary

Notice Distribution (include name)

Required on all notices:

<input checked="" type="checkbox"/> SWCD TEP Member: Jay Riggs	<input checked="" type="checkbox"/> BWSR TEP Member: Ben Meyer
<input type="checkbox"/> LGU TEP Member (if different than LGU contact):	
<input checked="" type="checkbox"/> DNR Representative: Dan Scollan	
<input checked="" type="checkbox"/> Watershed District or Watershed Mgmt. Org.: John Loomis	
<input checked="" type="checkbox"/> Applicant:	<input checked="" type="checkbox"/> Agent/Consultant:

Optional or As Applicable:

<input checked="" type="checkbox"/> Corps of Engineers:	
<input type="checkbox"/> BWSR Wetland Mitigation Coordinator (required for bank plan applications only):	
<input type="checkbox"/> Members of the Public (notice only):	<input type="checkbox"/> Other:

Signature: 	Date: 04-03-25
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This notice and accompanying application materials may be sent electronically or by mail. The LGU may opt to send a summary of the application to members of the public upon request per 8420.0255, Subp. 3.



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item f
Title: Cost Share Program	Board Action Requested: Approve Application	Required Signatures SWWD Administrator
Reviewed by: JHL		
Background/Justification: i) Application-Jesse Nelson, St. Paul Park (\$1,250.00)		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: N/A		Comments:
Fund	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



WATER QUALITY COST SHARE APPLICATION/CONTRACT

Contact: Tony Randazzo, tony.randazzo@woodburymn.gov

651.714.3717

General Information (to be completed by SWWD)

Organization SWWD	Contract Number	Other federal or other state funds? Yes <input type="checkbox"/> No <input type="checkbox"/>	Amendment <input type="checkbox"/> Board meeting date(s) _____	Canceled <input type="checkbox"/> Board meeting date: _____
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*If contract amended, attach amendment form(s) to this contract.

Applicant

Land Occupier Name Jesse Nelson	Address 230 W 11th Ave	City/State Saint Paul Park	Zip code 55071
Email jessehnelson1@gmail.com		Phone 651-380-6518	

* If a group contract, this must be filed and signed by the group spokesperson as designated in the group agreement and the group agreement attached to this form.

Project Location (if different)

Address	City/State	Zip code
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Contract Information


I (we), the undersigned, do hereby request cost-share assistance to help defray the cost of installing the following practice(s) listed on the second page of this contract. It is understood that:

- SWWD's Water Quality Cost Share Program is a Reimbursement Program.** Applicants will be reimbursed for the contract amount upon successful completion of the project and submission of all required documentation.
- The land occupier is responsible for full establishment, operation, and maintenance of all practices and upland treatment criteria applied under this program to ensure that the conservation objective of the practice is met and the effective life, a **minimum of 10 years**, is achieved. The specific operation and maintenance requirements for the conservation practice listed are described in the operation and maintenance plan prepared for this contract by the organization technical representative.
- Should the land occupier fail to maintain the practice during its effective life, the land occupier is liable to the South Washington Watershed District for the amount up to 100% of the amount of financial assistance received to install and establish the practice unless the failure was caused by reasons beyond the land occupier's control, or if conservation practices are applied at the land occupier's expense that provide equivalent protection of the soil and water resources.
- Practice(s) must be planned and installed in accordance with technical standards and specifications of the Technical Representative.
- Increases in the practice units or cost must be approved by the organization board through amendment of this contract as a condition to increase the cost share payments.
- This contract, when approved by the SWWD board, will remain in effect unless canceled by mutual agreement, except where installations of practices covered by this contract have not been started within **1 year following Board approval of this contract**, this contract will be automatically terminated on that date. Practices will be installed by **2 years following Board approval of this contract** unless this contract is amended by mutual consent to reschedule the work and funding.
- Items of cost for which reimbursement is claimed are to be supported by invoices/receipts for payments and will be verified by the organization board as practical and reasonable. The organization board has the authority to make adjustments to the costs submitted for reimbursement.

Applicant Signatures

The land occupier's signature indicates agreement to:

1. Grant the organization's representative(s) access to the parcel where the conservation practice will be located.
2. Obtain all permits required in conjunction with the installation and establishment of the practice prior to starting construction of the practice.
3. Be responsible for the operation and maintenance of conservation practices applied under this program in accordance with an operation and maintenance plan prepared by the organization technical representative.
4. Not accept cost-share funds, from state and federal sources combined, that are in excess of **100%** percent of the total cost to establish the conservation practice and provide copies of all forms and contracts pertinent to any other state or federal programs that are contributing funds toward this project.

Date 3/27/25	Land Occupier 
Date	Landowner, if different from applicant Address, if different from applicant information:

Conservation Practice (to be completed by Technical Representative)

The primary practice for which cost-share is requested is Minnesota native seed and plant material

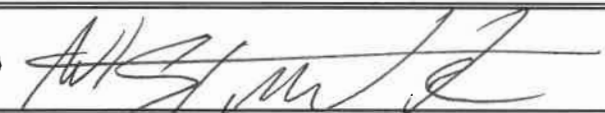
Practice standards or eligible component(s) Native seed and plant material	Engineered Practice (<input type="checkbox"/> yes or <input checked="" type="checkbox"/> no) Ecological practice (<input checked="" type="checkbox"/> yes or <input type="checkbox"/> no)	Total Project Cost Estimate \$3,223.50
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The estimated benefits of this project are:

Total Phosphorus Captured 0.25 lbs/yr	Nitrogen Captured	Runoff Volume Reduction
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Technical Assessment and Cost Estimate

I have the appropriate technical expertise and have reviewed the site where the above listed practice is to be installed and find it is needed and that the estimated benefits and costs are practical and reasonable.

Date 3/27/25	Technical Representative Burt Stolpestad (WCD) 
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Amount Authorized for Financial Assistance (to be completed by SWWD)

The SWWD Board has authorized the following for financial assistance, total not to exceed the overall percent listed indicated in 4, above.

\$ 1,250 from SWWD Water Quality Cost-Share
Enter program name and fiscal year
 \$ _____ from _____
Enter program name and fiscal year
 \$ _____ from _____
Enter program name and fiscal year

Board Meeting Date	Authorized Signature	Total Amount Authorized \$
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Date: April 4, 2025	South Washington Watershed District Request for Board Action	Consent Agenda Item g
Title: Miscellaneous Correspondence	Board Action Requested: None	Required Signatures None
Reviewed by: JHL		
Background/Justification:		
Previous Action:		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: None		Comments:
Fund	Explanation	Fund Balance: N/A
Decision Needed/Date	Administrative Recommendation Approval <u>Informational</u> Denial No Recommendation	Comments

**Citizen Advisory Committee Meeting
South Washington Watershed District
Tuesday, March 26, 2025, 5:30 pm
City of Woodbury Public Works Building**

CAC Members Present:

- Patty Goertz
- Dan Henely
- Sarah Lilja (virtual)
- Howard Markus
- David Nuccio
- Bill Sumner

CAC Members Not Present:

- Nayere Ghazanfarpour
- Jay Sockness

SWWD Staff & Board:

- Kyle Axtell, Watershed Project Manager
- Abby Tekiela, Water Resources Program Coordinator
- Emily Stephens, Board of Managers

Others:

1. Call to Order

Watershed Project Manager Kyle Axtell called the meeting to order at 5:31 pm. A motion was made by Bill Sumner to approve the agenda as presented. Patty Goertz seconded. Motion carried unanimously.

2. Approval of Minutes – December 17, 2024

A motion was made by Sumner to approve of the minutes as presented. Dan Henely seconded. Motion carried unanimously.

3. Public Open Forum

None.

4. Artist-in-Residence 2025

Abby Tekiela led the CAC through a review of the artists' portfolios and the CAC discussed them as a group. CAC members presented their review rubrics and highest scoring artists, narrowing the discussion to the top three of the seven applicants. ***Sarah Lilja moved to recommend Taylor Mills to the Board of Managers for selection. David Nuccio seconded. Motion carried unanimously.***

5. Wilmes Public Art

Kyle Axtell reviewed the results of the CAC subcommittee review of Wilmes Public Art submissions and the selection of Nipinet Landsem by the subcommittee. Henely remarked that the native species selection featured in Landsem's submission might benefit from being narrowed down to species more commonly seen at and around Wilmes Lake. Axtell noted that the piece will feature a didactic panel which may help with species identification. Sumner noted the range of talent exhibited in the final submissions reviewed. ***Henely motioned to recommend Nipinet Landsem be selected as the artist for the Wilmes Public Art project to the Board of Managers. Goertz seconded. Motion carried unanimously.***

6. Coordinated Capitol Improvement Program (CCIP) 2025

Goertz began by inquiring about the overall CCIP budget and sought clarification on the difference between brine and pre-wetting applications as described in the applications from Newport, St. Paul Park, and Afton State Park. Axtell discussed the three management units of the Watershed District, noting that East Mississippi and Lower St. Croix units typically have a lower funding base (\$5,000 annual budget, each) than the South Washington unit (\$650,000 annual budget). He also described the difference between direct brine application to roadways (anti-icing) and pre-wetting, where rock salt is treated during application to make it “stick” to roads better (de-icing).

The CAC discussed the twelve applications received. Markus noted that lakes impacted by chloride are likely already too far gone and wondered how to better go about allocating chloride reduction resources to areas that would substantially benefit from preventative measures. Axtell noted that some lakes in the Watershed District experience chloride problems as described by Markus. Axtell continued, noting that monitoring data from spring 2024 showed that chloride was down about 75% when compared to the prior season. Axtell also noted the connection between reduced chloride usage in the winter of 2023-24 and the mild temperatures, which also contributed to the springtime chloride reduction. Markus raised the issue of lake turnover and expressed that lakes that do not experience turnover due to chloride pollution may not need as much protection because there is little that can be done once a waterbody has reached such a level of impairment. Axtell noted that many District lakes (except Powers Lake) are shallow and continue to experience regular turnover despite increasing chloride levels. Henley noted that there is value in supporting projects that will reduce chloride for non-landlocked waterbodies such as the Mississippi River and Trout Brook. ***Markus moved to recommend the Board of Managers approve the Newport, St. Paul Park, and Afton State Park proposals with a 50/50 cost-share agreement. Goertz seconded. Motion carried unanimously.***

The CAC next discussed the South Washington Management Unit proposals; Axtell provided a high-level outline of each of the nine proposals. Manager Emily Stephens asked if Cottage Grove has ever asked for maintenance funding like Woodbury does each year. Axtell responded that Cottage Grove had not. Markus noted that it may be a better budgetary solution for Cottage Grove to ask for equipment support from Woodbury, who currently has the same Jetter-Vac Truck that they are requesting funds for. Axtell noted that Cottage Grove already owns one Jetter-Vac Truck and has a maintenance responsibility under their NPDES MS4 permit to conduct maintenance that they are requesting the Jetter-Vac Truck for. Sarah Lilja inquired about the process for treating salt for chloride reduction as requested in the Cottage Grove Treated Salt Chloride Reduction Project proposal. Axtell responded that the treatment of the Cottage Groves salt pile would be one-time, and that the city would like to conduct the work as a pilot program. Further, he noted that if SWWD funded this pilot, it would not be on an ongoing basis. Markus inquired about the effectiveness of a treatment such as this one. Axtell noted existing concerns about the use of sugars and the potential to increase biological oxygen demand (BOD) that would potentially reduce oxygen in downstream waters.

The CAC discussed the Woodbury Brush Cutter proposal. Axtell explained that the city is requesting this piece of equipment to reduce invasive species and manage City properties and areas around stormwater ponds more efficiently and effectively. Henley asked about the

relevance of vegetation management and water quality. Axtell noted that this proposal is connected to a long-term vegetation restoration effort and improved soil health and plant diversity, and that SWWD staff had advised the City regarding what type of equipment to acquire for the effort. Goertz noted the project cost typo within the Woodbury Linear Stormwater Study. Axtell responded that the total project cost should be \$200,000 (\$100,000 CCIP request plus \$100,000 additional local funds). Lilja expressed that the benefit of the Woodbury Linear Stormwater Study is overall positive if it helps cities establish long-term planning to identify BMP locations. ***Markus moved to recommend the Board of Managers approve the Cottage Grove Salt Spreader Controls Upgrade, Woodbury Bailey Lake Lift Station Generator, Woodbury Brush Cutter, Woodbury Eagle Valley Golf Club Ponds Vegetation Management, Woodbury Linear Stormwater Study, and the Woodbury Seasons Park Vegetation Management proposals with a 50/50 cost-share agreement. Henley seconded. Motion carried unanimously.*** The remaining three projects were not recommended for funding, including Cottage Grove Jetter-Vac Truck & Enhanced Sump Cleaning, Cottage Grove Treated Salt, and Woodbury Stormwater Maintenance.

Henley discussed the potential to expand a linear stormwater study, as outlined in the Woodbury proposal, to the entire watershed with the remaining CCIP funds. Manager Stephens noted that this was a beneficial suggestion. ***Henley moved that the Board of Managers evaluate the usage of remaining CCIP funds to expand the linear stormwater study to the entire watershed. Markus seconded. Motion carried unanimously.***

A supplemental meeting tentatively scheduled for April 1st, 2025, was deemed unnecessary following the complete review of all CCIP proposals.

7. Upcoming Meetings and Events

- June 24, 2025, 5:30 PM, CAC Regular Meeting
- September 23, 2025, 5:30 PM, CAC Regular Meeting
- December 16, 2025, 5:30 PM, CAC Regular Meeting

8. Adjourn

The next regular CAC Meeting will be held on June 24th, 2025, at 5:30 PM. A motion was made by Patty Goertz to adjourn at 7:25 pm. David Nuccio seconded. Motion carried unanimously.

Respectfully submitted,



Abby Tekiela, Water Resources Program Coordinator

Approved By:

David Nuccio, SWWD CAC Secretary

Date



BOARD OF COMMISSIONERS

Fran Miron, District 1
Stan Karwoski, District 2, Chair
Bethany Cox, District 3
Karla Bigham, District 4
Michelle Clasen, District 5

March 25, 2025

Kevin Chapdelaine
601 2nd Avenue
Newport, MN 55055

Dear Mr. Chapdelaine,

It is my pleasure to inform you that at its meeting of March 25, 2025, the Washington County Board of Commissioners reappointed you to the South Washington Watershed District Board of Managers, to a fourth full term beginning May 2, 2025, and expiring May 1, 2028.

For additional information, you may wish to contact John Loomis, Administrator, at john.loomis@swwdmn.gov.

We appreciate your willingness to serve on this important watershed district position on behalf of Washington County.

Sincerely,

A handwritten signature in cursive script that reads "Stanley G. Karwoski".

Stan Karwoski, Washington County Commissioner, Board Chair
Washington County Board of Commissioners

Cc: Board of Water and Soil Resources
City Clerks within South Washington Watershed District
Jay Riggs, District Manager, Washington Conservation District
John Loomis, Administrator, South Washington Watershed District
Stephanie Souter, Senior Project Manager, Washington County Public Health & Environment

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promote a safe, healthy, and welcoming community for all.*

Government Center | 14949 62nd Street North | P. O. Box 6 | Stillwater, MN 55082-0006
P: 651-430-6001 | F: 651-430-6017 | TTY: 651-430-6246
www.washingtoncountymn.gov

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BOARD OF COMMISSIONERS

Fran Miron, District 1
Stan Karwoski, District 2, Chair
Bethany Cox, District 3
Karla Bigham, District 4
Michelle Clasen, District 5

March 25, 2025

David Filipiak
1405 Carriage Road
Woodbury, MN 55125

Dear Mr. Filipiak,

It is my pleasure to inform you that at its meeting of March 25, 2025, the Washington County Board of Commissioners appointed you to the South Washington Watershed District Board of Managers, to a first full term beginning May 2, 2025, and expiring May 1, 2028.

For additional information, you may wish to contact John Loomis, Administrator, at john.loomis@swwdmn.gov.

We appreciate your willingness to serve on this important watershed district position on behalf of Washington County.

Sincerely,

A handwritten signature in cursive script that reads "Stanley D. Karwoski".

Stan Karwoski, Washington County Commissioner, Board Chair
Washington County Board of Commissioners

Cc: Board of Water and Soil Resources
City Clerks within South Washington Watershed District
Jay Riggs, District Manager, Washington Conservation District
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Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 5a
Title: SWWD Project Update	Board Action Requested: None requested at this time	Required Signatures None
Reviewed by: JHL		Presented by: Loomis
Background/Justification: <ul style="list-style-type: none">• Trout Brook• Glacial Valley Park and Open Space• Campus Greening• Wilmes Lake Alum Treatment Facility• Hasenbank Woods & Stormwater Park• Markgrafs Lake Retrofit Analysis• Colby Lake Retrofit Analysis• Northern Watershed/CDSF/East Ravine Review and Optimization• Cottage Grove Ravine Regional Park• St. Croix Bluffs Regional Park• CR74 (65th Street) & Geneva Ravine• Lower Grey Cloud Slough Habitat Improvement• Watershed Management Plan Update• In-Lake AIS Management• Newport Open Space Planning• Cottage Grove Open Space Planning• Armstrong Lake Wetland Cattail Harvesting• SWWD Website Update• Chloride Reduction Grit Giveaway		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications:		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation Approval <u>Informational</u> Denial No Recommendation	Comments



Memo

To: SWWD Board of Managers
From: Kyle Axtell, SWWD Watershed Project Manager
Date: April 4, 2025
Re: SWWD Projects Update

Trout Brook

The construction of Phase III was completed in 2024. All grant reimbursements have been received. 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 are 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. Reed Canary Grass eradication efforts concluded in 2024 and appear to have been quite successful. Staff will review in 2025 to assess rebounding populations of the persistent invasive grass and other invasive species including Wild Parsnip.

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 plan has been to have the park features ready to be installed as development progresses with the extension of Glacial Valley Road. The road extension would provide access and utilities for the learning center. Facility parking is expected to be provided jointly with the City of Woodbury as it plans a new park area to the west with future development. A Letter of Interest has been submitted to MnDNR to request \$1,500,000 in 3M Priority 2 funding.

Construction of the asphalt trail connecting Woodbury to Cottage Grove through Glacial Valley Park was completed last fall. An intense snowmelt event from the western adjacent farm field has damaged the culvert bedding material under the trail. A repair will be required and SRF is working on a plan.

Maintenance throughout Glacial Valley Park continues to target woody species, especially aspen/cottonwood clumps. The Central Basin on the north side of Glacial Valley Parkway is a focus of ongoing restoration efforts. Great River Greening has begun maintenance activities along the edges of the site in the Cedarhurst neighborhood. The northernmost unit of the park is scheduled for a prescribed burn in Spring 2025.

Campus Greening

All Campuses: Staff will be working with the new School District facilities hire to assist with long-term maintenance of all Campus Greening natural areas.

Lake and Middleton: Staff are continuing to assist teachers and students in developing and enhancing prairies through the addition of greater forb diversity with teachers taking fully taking on the projects in 2024/2025 with only occasional involvement by SWWD staff. Staff will continue to provide guidance with in-classroom programs with 7th grade students with seed collection, plant growing and seed sowing planned for 2025 with reduced oversight as teachers are taking on more of the programming.

Crestview Elementary: Staff will work with the school staff to have students overseed areas where the contractor has been attempting to knock back cool season grasses. GRG will be conducting a prescribed burn in the 7.4 acre woodland and managing invasive species through the 2025 growing season.

Nuevas Fronteras: GRG has taken over management of the campus prairies. Areas near the underground BMP have been reseeded and staff will continue to monitor and assess ways to retain native species in a regularly disturbed site.

Valley Crossing: GRG has taken over management of the prairies at Valley Crossing, and will conduct regular maintenance activities in 2025. Staff are again working with an engaged parent to enhance prairie diversity through students' growing and planting and will likely continue this coordination in 2025. 4th 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. A burn will take place at some point during the 2025/2026 growing seasons to complete existing contract. Staff is beginning to discuss with teachers, potential involvement by students in prairie diversification and maintenance beginning in 2025/2026.

Oltman Middle School: The WCD has funding available through the BWSR Pollinator Pathways program to restore habitat on school campuses. Oltman Middle School did not initially meet Campus Greening program requirements, but the BWSR funding will allow the school to restore up to an acre of prairie at a school where Carpenter Nature Center (CNC) educational activities are taking place.

Carpenter Nature Center: CNC completed the six-week in-classroom and in-field Water Quality programming with 6th graders at Cottage Grove and Lake Middle Schools in Fall, 2024. Carpenter programming continues in Spring, 2025 at Oltman Middle School.

Wilmes Lake Alum Treatment Facility

Morcon's construction activities are about 99% complete. The settling pond's clay liner has proven to not hold water and does not meet project specifications, according to HR Green. A change order was approved in March to add an LLDPE liner to this basin, however the material has since proven to be unavailable. Alternatives are being explored by HR Green and Morcon. If all else fails, staff will cancel the change order and direct Morcon to proceed directly to system startup.

MNL has significantly completed its native seeding and restoration work. Additional topsoil, seed and mulch will be installed along the trail edges in the spring. MNL is under contract for native vegetation site maintenance through 2027.

Staff have concluded an RFP process for a public art project on the lift station screen wall with a budget of \$15,000. A subcommittee of SWWD and Woodbury staff, SWWD Board and CAC members met in late February to make a recommendation. The full CAC affirmed that recommendation in late March. The Board will be asked to make a final approval in April to award the project to local artist Nipinet Landsem.

Hasenbank Woods & Stormwater Park

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 trail and other restoration work on City property ringing Powers Lake.

Hasenbank Woods restoration continues. STS crews have been on site since December, felling hazardous, standing dead ash trees and reducing woody debris to facilitate long-term site management. Broadcast snow seeding of flowers and shrubs has been completed with a few pockets where active work is taking place requiring follow up as winter progresses. Likely volunteer events beginning in 2025 and 2026 will focus on hand pulling garlic mustard which presents the next greatest threat to the site. The Expedited CPL grant is complete and closed. Staff will monitor effectiveness of activities and assess future steps in 2025.

Staff are working with the 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 largely complete with system startup and testing expected in Spring 2025. Xcel Energy has completed its transformer installation. Traverse Des Sioux is under contract for site restoration. Seeding and planting are also largely complete. Staff will work with the City to control and manage stormwater coming into the basins in order to assist with vegetation establishment.

Staff continue to coordinate with our two artists on fabrication and installation of a suite of approved art installation concepts. Chris Harrison's "Gears" installation was completed in May 2024. Aaron Dysart's "Branching Out" sculpture was installed in December 2024. Work continues on Dysart's "Flowing Roots" which will be installed in the spring of 2025. Didactic signage is complete and is pending installation onsite. Staff continue to coordinate with SWCTC on a future production centering on these endeavors.

Markgrafs Lake Retrofit Analyses

SRF has completed its work on the Markgrafs Lake analysis which was presented to the Board in January 2025. One project has been approved for implementation as a part of a road reconstruction project scheduled for 2025. A large Contech CDS unit is to be constructed on Lake View Drive on the east side of the lake at a cost to SWWD of \$158,870, which will be reimbursed to the City of Woodbury upon substantial completion.

Staff have reached out to Target Corporation to begin discussions about a future retrofit of existing stormwater BMPs associated with their site. SRF has recommended wet pond expansion and installation of a CC17 filter bench to enhance phosphorus treatment and aesthetics of the site. Several other projects have been identified, including additional monitoring and study of the large regional pond at Sam's Club. LimnoTech completed some end-of-season samples of the Sam's Club pond to provide baseline data for further analysis.

Colby Lake Retrofit Analysis

Staff is working with SRF for another regional BMP feasibility assessment for Colby Lake. A kickoff meeting took place in December with Woodbury staff and SRF is now underway with their scope of work. This study, along with the Markgrafs Lake study, will drive BMP development in the northern central draw watershed for our upcoming watershed management plan.

Northern Watershed/CDSF/East Ravine Review and Optimization

SWWD awarded a 2022 CCIP grant to the City of Woodbury to complete further analysis on the Bailey pump station as recommended in the completed system review. The analysis looked specifically at flood proofing, backup power generation, upstream ponding capacity, and electrical analysis. At their April 2024 meeting, SWWD awarded a subsequent CCIP grant to the city to begin implementing identified improvements. SWWD staff will continue to engage with the city and track progress of this resiliency focused effort. The city is currently working on final design of proposed improvements.

Cottage Grove Ravine Regional Park

Staff are coordinating efforts to provide restoration and native plant communities management within Cottage Grove Ravine Park with a focus on areas within the SWWD drainage easement. 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 have been working with the County, where the upper basin area has now been seeded following multi-year site prep. May assessments will identify needs, and staff will propose actions and a contract for a restoration specialist to manage sites in summer, 2025 throughout the stormwater easement area.

Additionally, SWWD and its consultants are working to develop a channel stabilization project for the lake outlet channel. The project is currently at 60% design and work continues.

St. Croix Bluffs Regional Park

Staff have been working with Washington County to coordinate a series of projects to stabilize several ravines and an embankment along a former railroad grade adjacent to the St. Croix River within the park. Washington County, with SWWD support, has completed construction of the Phase 1 project using \$120,000 in WBIF Clean Water Funds through the Lower St. Croix Watershed Partnership and \$30,000 in local match from SWWD. Washington County provided the remaining funding required to complete the project.

Staff continue to pursue options for funding the second phase of the project, including upper ravine stabilization and peak flow reduction practices. Implementation will proceed once funding can be secured. The Washington Conservation District has completed plans for this phase of work.

County Road 74 (65th Street) and Geneva Ravine

The SWWD is working with Washington County to improve an eroded ravine at the intersection of Geneva and 65th Street in Cottage Grove as part of an upcoming road reconstruction project. SWWD is working with Houston Engineering to develop stabilization/restoration plans for the ravine area. This work is underway currently with construction expected in 2026. A Letter of Interest has been submitted to MnDNR to request \$300,000 in 3M Priority 2 funding.

Lower Grey Cloud Slough Habitat Improvement

Staff have recently met with Minnesota DNR counterparts to discuss a proposed project aimed at restoring historic island complexes and improving aquatic and terrestrial habitat in the lower slough area. Significant USACE project funding could be available for this type of effort, with a 35% local match. 3M Priority 2 funding could be used to secure upwards of \$11-12 million in Federal funding for this project, which could take 5-10 years to realize. A USACE Section 204 Letter of Intent has been prepared for Board approval for this purpose, and a Letter of Interest has been submitted to MnDNR to request \$3,500,000 in 3M Priority 2 funding to be used as local match.

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 was citizen engagement and issue identification. 2025 is focused on policy and program development, including issue and goal identification and drafting the plan. Upcoming milestones include:

- May 13: Board Workshop

In-Lake AIS Management

SWWD continues in-lake AIS management of several District Lakes, including:

- Markgrafs: 2022 partial lake treatment of CLP
- North Wilmes: April partial lake treatment of CLP
- South Wilmes: 2024 partial lake treatment of EWM
- Colby: 2024/25 whole lake treatment of CLP
- La: 2024/25 whole lake treatment of CLP
- Ravine: 2024/25 whole lake treatment of CLP

All fall herbicide treatments have been completed. Treatment of ProcellaCOR on Wilmes south basin for Eurasian watermilfoil was completed in early September. Full lake Fluridone treatment was conducted on Colby, La, and Ravine Lakes in October. Sample testing will be completed to see if bump treatments are necessary. Planning for the 2025 management season is ongoing.

Newport Open Space Planning

Staff are working with City of Newport and BWSR staff using state funding to conduct full ecological restoration and enhancement of the grasslands located along the Xcel transmission line corridors within the Bailey School Forest Park. BWSR and SWWD staff are conducting test plots to assess best approaches to invasive species control to include assessments of herbicides, fire, timing and seeding approaches. Project is a pilot to explore ways to conduct long term management of utility corridors that meet operation and safety needs of utilities while at the same time, supporting high quality native plant communities.

Staff has been working with the City of Newport to develop relationships with State Agencies, Companies, non-profits and residents to provide support for natural resource improvements and management along the river and bluffs. Great River Greening has received 25% of the Outdoor Heritage Grant amount to improve habitat and slope stability in the Bailey School Forest Park. Staff is working with GRG to get the best project results with reduced funding by

confining the project area to an area of buckthorn infested oak savanna adjacent to the active park open space.

South Washington Schools are now engaged in the School Forest planning beginning with a planting event in late April, early May. Staff has been working with the District and DNR to facilitate planning of the event.

Cottage Grove Open Space Planning

Staff is working with City of Cottage Grove Parks Department assisting with ecological planning efforts at Mississippi Dunes Preserve, Still Ponds Preserve and Vandenberg Lake. Staff is working with Friends of the Mississippi River to develop a full site assessment and Natural Resources Management Plan for Mississippi Dunes in 2025. Staff is working with the WCD to develop a full site assessment and Natural Resources Management Plan for Still Ponds Park in 2025.

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 eventually seek pilot project implementation.

SWWD Website Update

SWWD staff continue coordinating with the hired web developer team and are still in the early phases of planning and development. Most recent work has focused on establishing key search terms and determining navigation on the website. Phase one is estimated to conclude in March 2025. Windmill Strategy estimates that the new website will launch in July 2025.

Chloride Reduction Grit Giveaway

The Grit Giveaway concluded in March 2025. In total, SWWD purchased 27 pallets of traction grit and distributed the pallets across 6 locations: Woodbury Public Works, Washington County Environmental Center, Cottage Grove Public Works, Newport Public Works, Newport City Hall, and St. Paul Park Public Works. Woodbury Public Works and the Washington County Environmental Center saw the most traffic, which is likely due to the 24-hour availability at Woodbury and weekend pickup hours at the environmental center. As of the end of the grit season, SWWD has distributed 18 pallets of grit, or 1,440 bags, or 36,000 lbs. of grit to reduce chloride salt usage within the district. Social media played a large part in that; the initial program announcement Facebook post reached 16.5k users and was viewed 35.5k times. The link shared to chloride reduction information on our website was clicked over 90 times.



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 5b
Title: 2025 Stormwater Utility Fee Correction Update	Board Action Requested: None	Required Signatures None
Reviewed by: JHL		Presented by: Loomis
Background/Justification: An update on the 2025 Stormwater Utility Fee corrections will be provided at the meeting.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$ 0		Comments:
Fund:	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation Approval <u>Informational</u> Denial No Recommendation	Comments



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 5c
Title: Wilmes Alum Treatment Facility – Morcon Change Order 5	Board Action Requested: None	Required Signatures None
Reviewed by: JHL		Presented by: Loomis
<p>Background/Justification: Staff have followed through with the Board's direction to execute a Change Order 5 with Morcon to add an LLDPE liner to the settling basin at the alum facility. However, since last fall when HR Green inquired about the specifications and availability of the product with the manufacturer, the specified product is, now, no longer available and is not scheduled to be produced anytime soon, according to the manufacturer.</p> <p>HR Green is working with Morcon to find an agreeable alternative available liner material. Failing that, staff will cancel the change order and proceed to system startup for the 2025 operating season. We intend to have a direction to report to the Board at its April 8 meeting.</p>		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation Approval <u>Informational</u> Denial No Recommendation	Comments

CHANGE ORDER NO.: 5

Owner: South Washington Watershed District Owner's Project No.:
Engineer: HR Green, Inc. Engineer's Project No.: 191690.01
Contractor: Morcon Construction Co., Inc. Contractor's Project No.:
Project: Wilmes Lake Stormwater Treatment Facility
Contract Name: Wilmes Lake Stormwater Treatment Facility
Date Issued: March 19, 2025 Effective Date of Change Order: March 19, 2025

The Contract is modified as follows upon execution of this Change Order:

Description:

Owner requested the following changes:

- Installation of a textured 40 mil LLDPE pond liner on top of the clay liner.

Contractor requested the following changes:

- The substantial completion date be changed to June 30, 2025 to accommodate the additional pond liner lead times and installation.

Attachments:

Change Order No. 5 document, amended plan sheets, Blended Linear Polyethylene Geomembrane Spec, and contractor requests.

Change in Contract Price		Change in Contract Times	
Original Contract Price:		Original Contract Times:	
\$ 4,309,868.00		Substantial Completion:	December 31, 2023
		Ready for final payment:	February 29, 2024
Increase from previously approved Change Order No.1 to No.4:		Increase from previously approved Change Order No.1 to No.4:	
\$ 137,848.85		Substantial Completion:	September 27, 2024
		Ready for final payment:	October 25, 2024
Contract Price prior to this Change Order:		Contract Times prior to this Change Order:	
\$ 4,447,716.85		Substantial Completion:	September 27, 2024
		Ready for final payment:	October 25, 2024
Increase this Change Order:		Increase this Change Order:	
\$ 125,555.43		Substantial Completion:	June 30, 2025
		Ready for final payment:	July 28, 2025
Contract Price incorporating this Change Order:		Contract Times with all approved Change Orders:	
\$ 4,573,272.28		Substantial Completion:	June 30, 2025
		Ready for final payment:	July 28, 2025

Recommended by Engineer (if required)

By: Budget Osborn

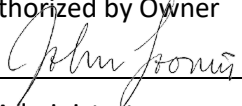
Title: Project Manager

Date: March 19, 2025

Accepted by Contractor

Project Manager

3/19/2025

	Authorized by Owner	Approved by Funding Agency (if applicable)
By:	<u></u>	<u></u>
Title:	<u>Administrator</u>	<u></u>
Date:	<u>3/19/2025</u>	<u></u>

CHANGE ORDER NO. 5
TO THE CONTRACT DOCUMENTS FOR

Wilmes Lake Alum Treatment Facility
South Washington Watershed District
City of Woodbury

SPECIFICATIONS

1. Add SECTION 33 0014 – Blended Linear Polyethylene Geomembrane

DRAWINGS

1. Delete and replace the following sheets with the attached drawings:
 - a. G100
 - b. C104
 - c. C107
 - d. C108
 - e. C504

CONTRACT

1. Updated bid items, quantities, and unit costs associated with this change order are shown in the table below.

Item Description	Units	Quantity	Unit Price	Total Amount
CHANGE ORDER 5				
LLDPE Pond Liner	LS	1	\$ 114,830.43	\$ 114,830.43
Testing	LS	1	\$ 5,362.50	\$ 5,362.50
Survey	LS	1	\$ 5,362.50	\$ 5,362.50
TOTAL				\$ 125,555.43

WILMES LAKE

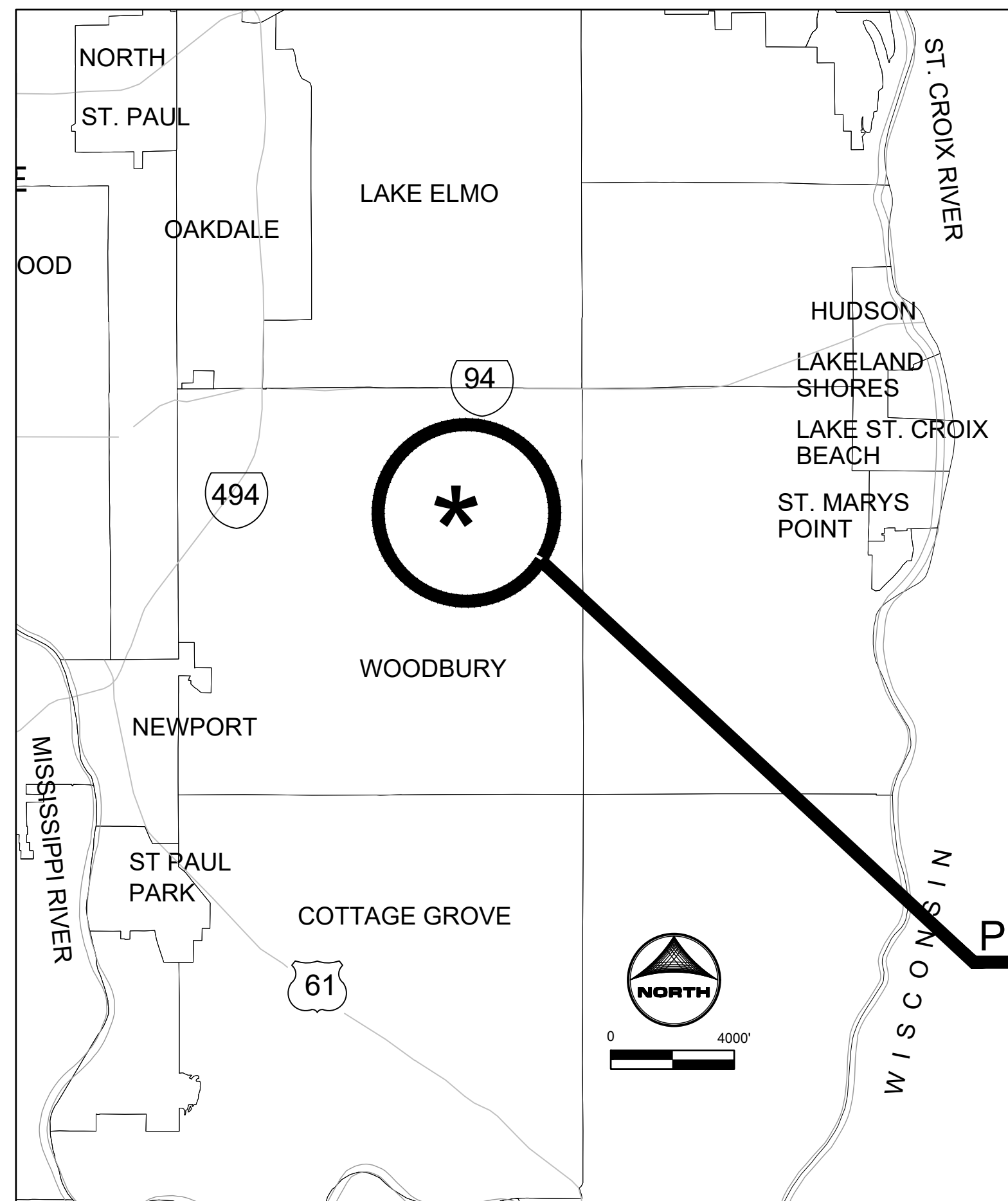
ALUM TREATMENT FACILITY

SOUTH WASHINGTON WATERSHED DISTRICT

WOODBURY, MINNESOTA

2023

LOCATION MAP



CITY OF WOODBURY, MINNESOTA

SHEET INDEX

SHEET NUMBER	SHEET TITLE		
GENERAL			
G100	COVER SHEET		AE402 WALL SECTIONS
G101	NOTES		AE403 WALL SECTIONS
G102	LEGEND ABBREVIATIONS		AE601 REFLECTED CEILING PLAN - OPERATING LEVEL
G103	PROJECT SITE LAYOUT		AE701 DETAILS - EXT WALL
REMOVALS			AE702 DETAILS - ROOF
D101	REMOVAL 1		AE703 DETAILS - DOORS & WINDOWS
D102	REMOVAL 2		AE704 DETAILS - INTERIOR
CIVIL			AE705 DETAILS
C101	SITE LAYOUT-PROPOSED PUMP STATION		AE801 EQUIPMENT SCREEN - PLAN, SECTION, ELEV & DETAILS
C102	SITE LAYOUT-PROPOSED ALUM TREATMENT		STRUCTURAL
C103	PLAN & PROFILE STA 0+00 TO 5+00		S100 BUILDING PLAN
C104	PLAN & PROFILE STA 5+00 TO 9+40		S101 BUILDING ELEVATION AND DETAILS
C105	PLAN & PROFILE STA 10+00 TO 10+80		S102 CONCRETE GENERAL DETAILS
C106	PLAN & PROFILE STA 30+00 TO 34+00		S103 CONCRETE GENERAL DETAILS
C107	POND GRADING		S104 STRUCTURAL DETAILS
C108	POND CROSS SECTIONS		S105 STRUCTURAL DETAILS
C109	EROSION CONTROL		PROCESS
C110	BUILDING UTILITIES PLAN & PROFILE STA 40+00 - 42+40		P001 PROCESS LEGEND
C111	TRAIL PLAN		P101 CHEMICAL BUILDING PROCESS PLAN
C112	LIFT STATION PLANS		P501 PROCESS DETAILS
C113	LIFT STATION SECTION		P502 PROCESS DETAILS
C114	SURVEY ALIGNMENTS & POINTS		MECHANICAL
C115	TRAFFIC CONTROL		M001 MECHANICAL LEGEND & NOTES
C116	MNDOT STANDARD PLAN - PEDESTRIAN CURB RAMP DETAILS		M101 CHEMICAL BUILDING MECHANICAL PLAN
C117	MNDOT STANDARD PLAN - PEDESTRIAN CURB RAMP DETAILS		M501 MECHANICAL DETAILS & SCHEDULES
C118	MNDOT STANDARD PLAN - PEDESTRIAN CURB RAMP DETAILS		PLUMBING
C119	MNDOT STANDARD PLAN - PEDESTRIAN CURB RAMP DETAILS		PL101 CHEMICAL BUILDING PLUMBING PLANS
C200	STORM WATER POLLUTION PREVENTION PLAN		PL501 PLUMBING DETAILS & SCHEDULES
C201	STORM WATER POLLUTION PREVENTION PLAN		FIRE PROTECTION
C202	STORM WATER POLLUTION PREVENTION PLAN		FP101 CHEMICAL BUILDING FIRE PROTECTION PLAN
C501	DETAILS		ELECTRICAL
C502	DETAILS		E001 ELECTRICAL LEGEND & SYMBOLS
C503	DETAILS		E100 ONE-LINE DIAGRAM
C504	DETAILS		E101 ELECTRICAL SITE PLAN
C505	EROSION CONTROL DETAILS		E102 ELECTRICAL SITE PLAN - LIFT STATION
C506	DRIVEWAY DETAILS		E103 ELECTRICAL LIFT STATION PLANS
C507	DRIVEWAY DETAILS		E104 ELECTRICAL SITE PLAN - CHEMICAL BLDG
ARCHITECTURAL			EP101 CHEMICAL BUILDING POWER PLAN
AE000	GENERAL NOTES, ABBREVIATIONS & SYMBOLS		EL101 CHEMICAL BUILDING ELECTRICAL & FIRE ALARM PLAN
AE001	CODE REVIEW		E501 ELECTRICAL DETAILS
AE002	SCHEDULES & FORMS		E502 ELECTRICAL SITE DETAILS
AE101	FLOOR PLAN		E601 ELECTRICAL SCHEDULES
AE102	ROOF PLAN		INSTRUMENTATION AND CONTROLS
AE301	EXTERIOR ELEVATIONS		IC000 LEGEND
AE401	BUILDING SECTIONS		IC501 P&ID
			IC502 NETWORK DIAGRAM
			IC503 DETAILS
			IC601 SCHEDULES

3/9/25	BJO	C.O.#5
12/01/23	BJO	C.O.#3
11/03/23	BJO	F.O.#3

NO.	DATE	BY	REVISION DESCRIPTION
1	04/19/23	BJO	ADDENDUM NO. 1
2	07/05/23	BJO	C.O.#1
3	09/22/23	BJO	F.O.#2
4	10/03/23	BJO	C.O.#2

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE: *Bridget Osborn*

DATE: 03/08/2023 BRIDGET J. OSBORN REG. NO. 52244



WILMES LAKE ALUM TREATMENT FACILITY

SOUTH WASHINGTON WATERSHED DISTRICT

WOODBURY, MINNESOTA

COVER SHEET

SHEET NO.

G100

DRAWN BY: MS / JJC

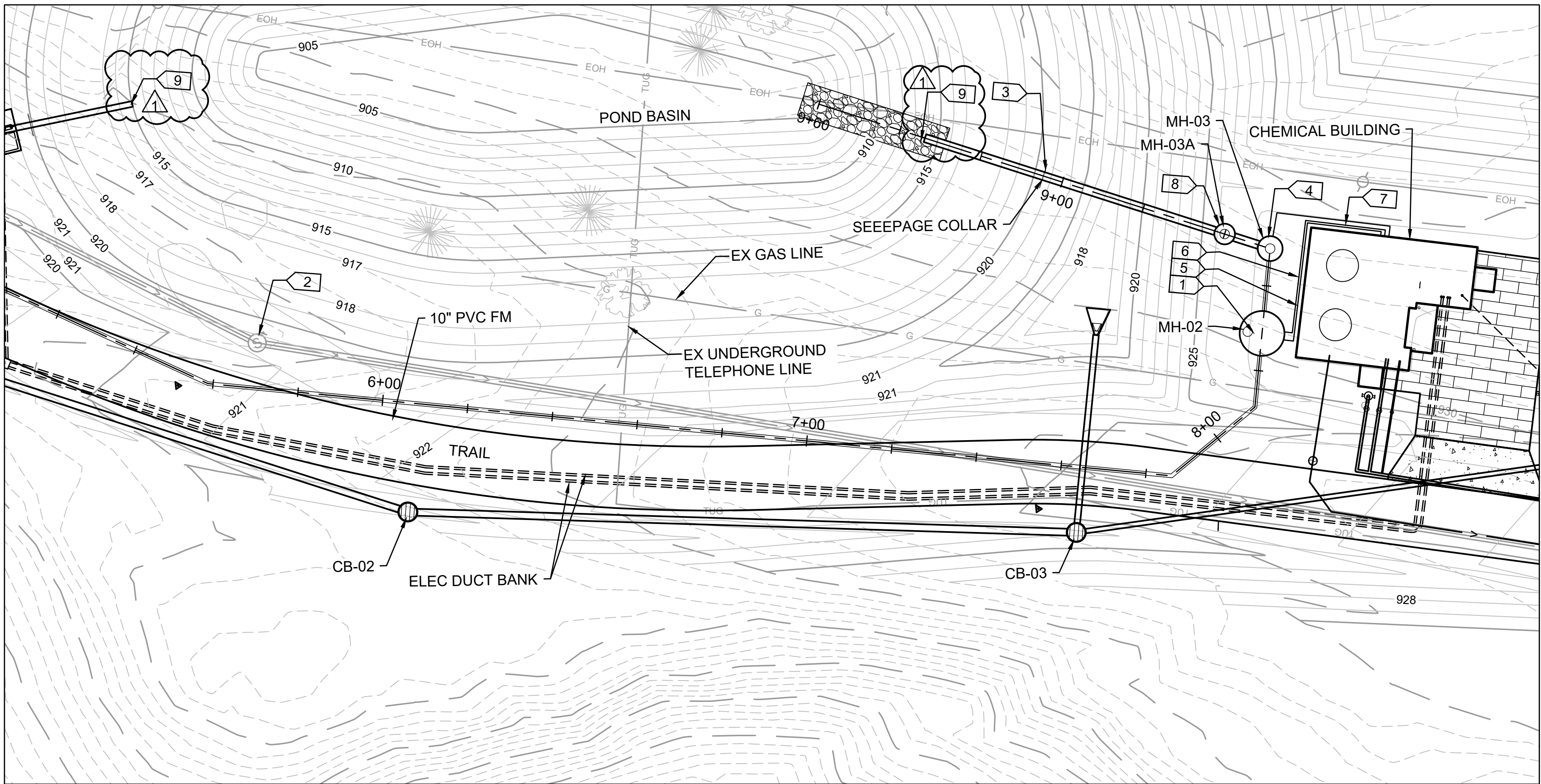
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JOB DATE: 2023

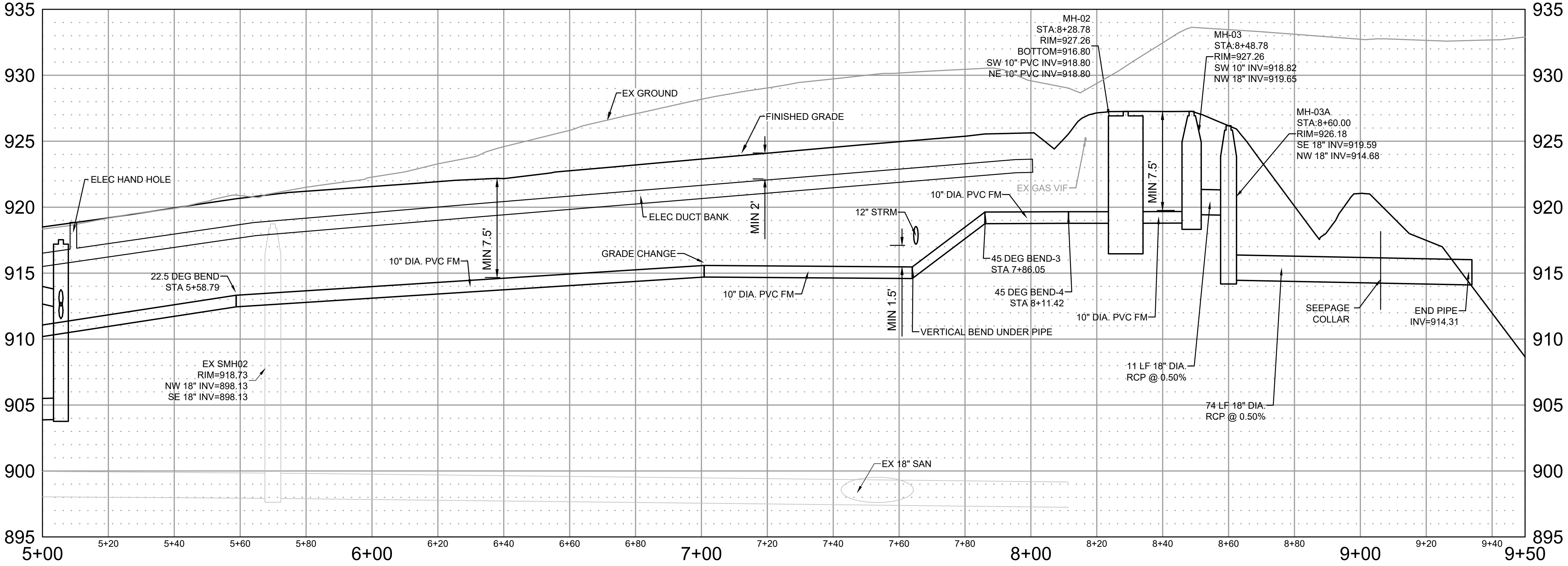
JOB NUMBER: 191690



FORCEMAIN STRUCTURE TABLE			
STRUCTURE NAME	STRUCTURE DETAILS	DIAMETER	STATION
MH-01	RIM = 910.5 SUMP = 895.9	8'	STATION = 0+52.29 NORTHING = 169700.12 EASTING = 478024.67
MH-02	RIM = 927.3 SUMP = 916.8	10'	STATION = 8+28.78 NORTHING = 169150.00 EASTING = 478464.89
MH-03	RIM = 927.3 SUMP = 918.8	5'	STATION = 8+48.78 NORTHING = 169165.86 EASTING = 478477.07
MH-03A	RIM = 926.2 SUMP = 914.7	4'	STATION = 8+60.00 NORTHING = 169174.43 EASTING = 478469.82

- GENERAL NOTES:
- EXISTING GAS IS ABANDONED.
 - POWER POLE AND OVERHEAD ELECTRIC LINES REMOVED BY OTHERS.
 - EXISTING TELEPHONE LINE IS ABANDONED.
 - ALL FORCEMAIN JOINTS SHALL BE MECHANICALLY RESTRAINED.
 - ALL FORCEMAIN BENDS SHALL HAVE THRUST BLOCKS.
 - TIE MINIMUM 3 JOINTS ON RCP BEYOND FES, SEE 1/C502
 - ALL PRESSURIZED PIPE BEDDING SHALL BE PER CITY DETAIL BED-3 WITH A MINIMUM OF 2 PIPE DIAMETERS OF BEDDING BELOW PIPE. SEE SHEET 3/C504.

- KEYNOTES NOTES:
- MH-02 DOSING STRUCTURE, MANHOLE WITH CHEMICAL INJECTION AND STATIC MIXER, SEE DETAIL 3/C501.
 - PROTECT EXISTING SANITARY MANHOLE, ADJUST HEIGHT TO 921.02 AND PROVIDE NEW BARREL SECTION. SEE DETAIL 8/C501.
 - SEEPAGE COLLAR AROUND PIPE, SEE DETAIL 3/C502.
 - MH-03, JUNCTION MANHOLE, SEE DETAIL 6/C502. DRAIN PIPE FROM CHEMICAL BUILDING SHALL HAVE TIDEFLEX CHECK VALVE.
 - CHEMICAL PIPE TO MH-02.
 - 1.5" SAMPLE PIPE FROM MH-02.
 - 6" SAMPLE PIPE RETURN TO MH-03.
 - MH-03A, JUNCTION MANHOLE, SEE DETAIL 8/C504.
 - PIPE BOOT AROUND PIPE, SEE DETAIL 8/C504.



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APPROVED: ARS
CAD DATE: 3/10/2025 8:38:17 AM
CAD FILE: J:\2019\191690\CAD\Drawgs\C1C104.dwg

JOB DATE: 2023
JOB NUMBER: 191690

NO.	DATE	BY	REVISION DESCRIPTION
1	3/10/25	BJO	C.O. # 5

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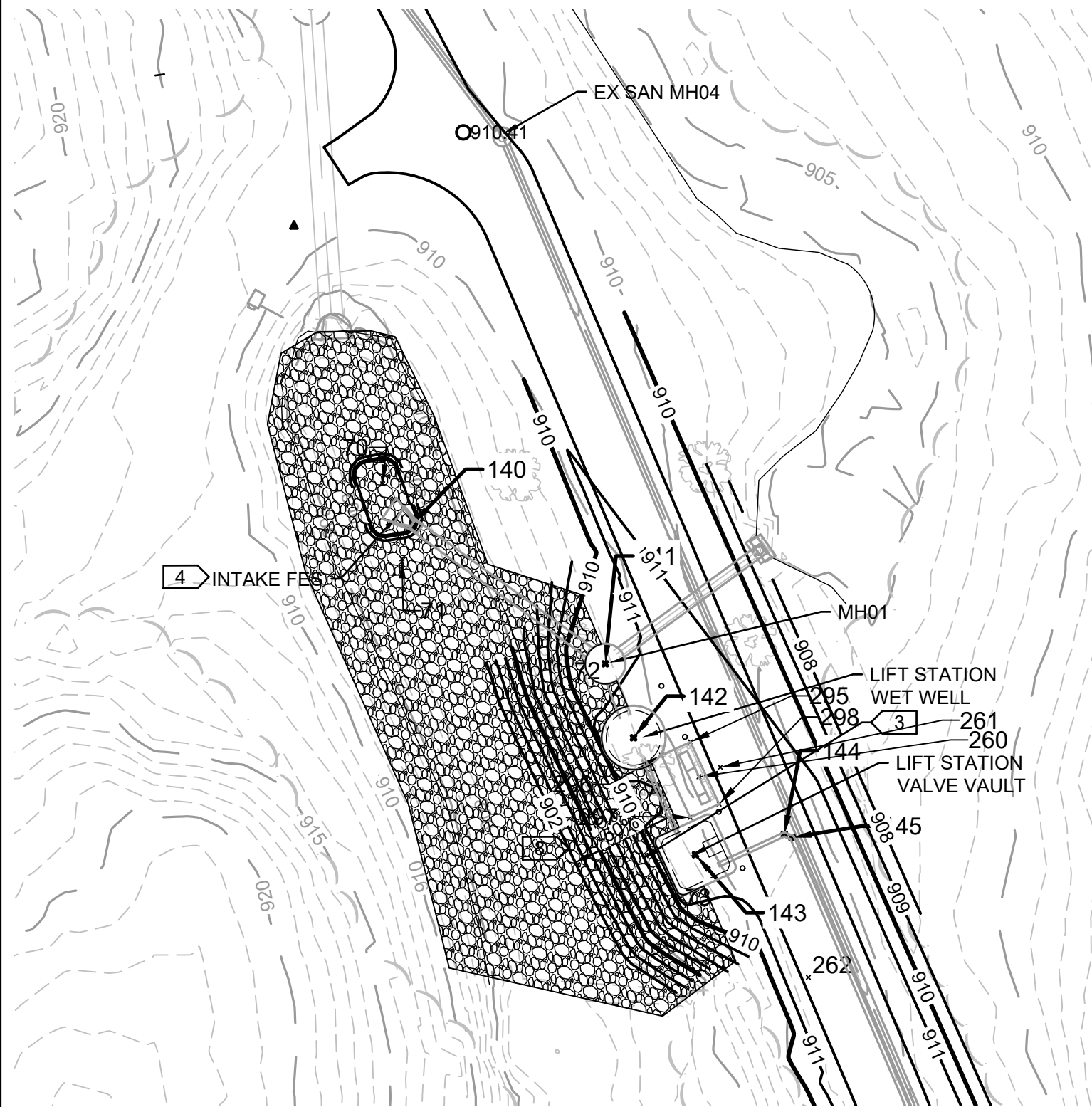
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DATE: 03/08/2023
REG. NO. _____



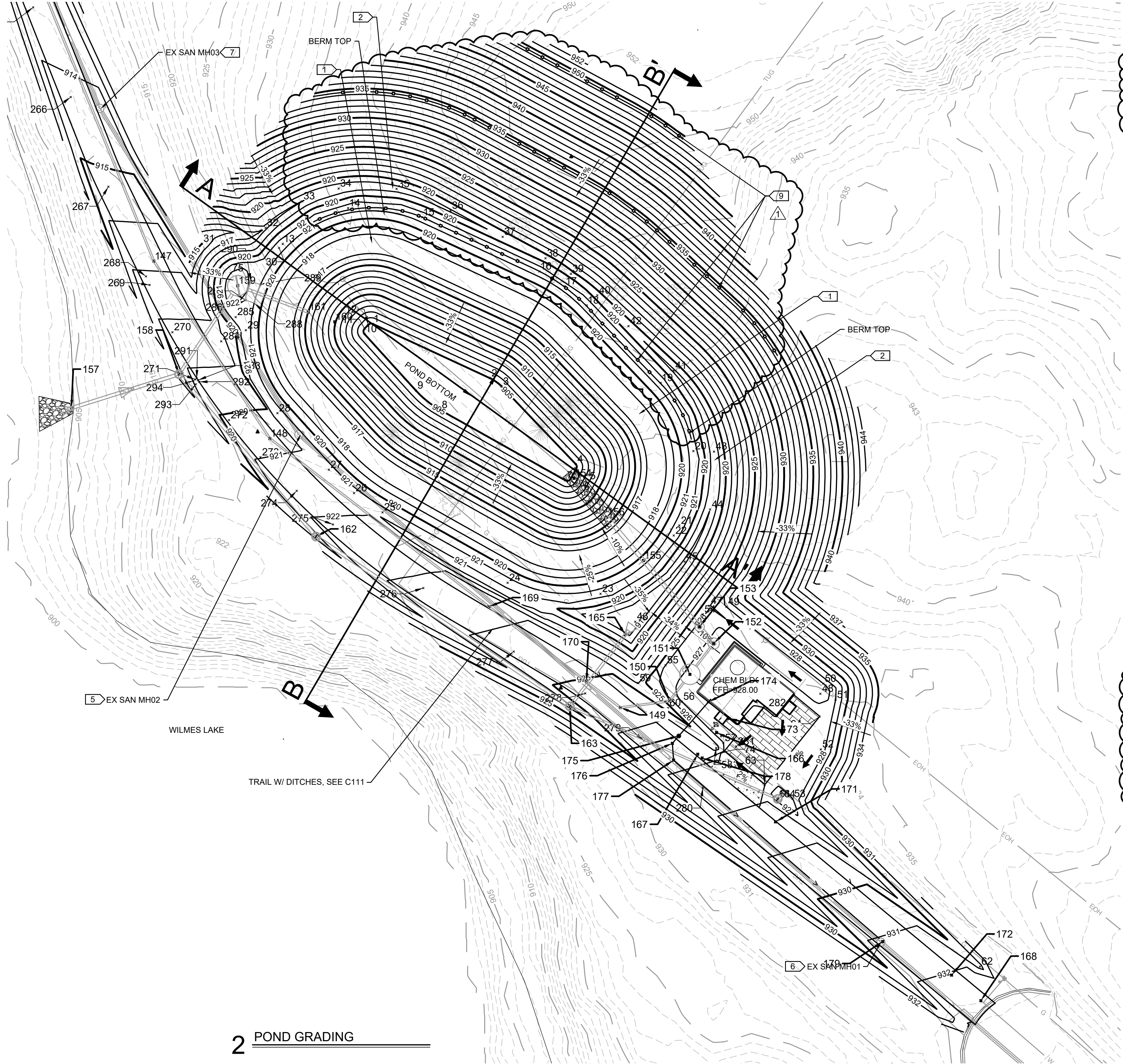
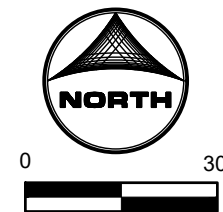
WILMES LAKE ALUM TREATMENT FACILITY
SOUTH WASHINGTON WATERSHED DISTRICT
WOODBURY, MINNESOTA

CIVIL
PLAN & PROFILE STA 5+00 TO 9+40

SHEET NO.
C104



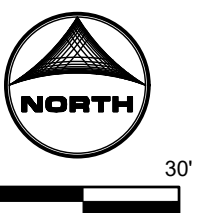
1 LIFT STATION GRADING



2 POND GRADING

- GENERAL NOTES:
1. CROSS SECTIONS SHOWN ON FOLLOWING PAGE
 2. 24" THICK CLAY LINER, 40 MIL LLDPE GEOMEMBRANE, AND 12" THICK CLEAN SAND COVER TO BE ADDED TO POND BED BY CONTRACTOR. SEE CROSS SECTIONS FOR DETAILS.
 3. SEE SHEET C114 FOR POINT STAKING TABLE.

- KEYNOTES NOTES:
1. 10' WIDE SAFETY BENCH AT 10:1 SLOPE
 2. DIVERSION SWALE W/ 3:1 SIDE SLOPES
 3. GRADE 2:1 SLOPE FROM CHANNEL UP TO EL 910. GRADE FROM EL 910 TO EL 911 AROUND LIFT STATION STRUCTURES WITH VARIABLE GRADE. SEE 3/C503.
 4. EXCAVATE MIN 20'X12' BASIN TO EL 900.0 AT INTAKE FES. SEE DETAIL 1/C503.
 5. RAISE EX SAN MH02, SEE DETAIL 8/C501.
 6. RECONSTRUCT EX SAN MH TO LOWER APPROX 1.0' AND MATCH TRAIL TRAIL GRADE. ENSURE MH CASTING DOES NOT EXCEED TRAIL FG SURFACE TO AVOID SURFACE OBSTRUCTION ON TRAIL. SEE DETAIL 8/C501
 7. RAISE EX SAN MH, SEE DETAIL 8/C501
 8. PROTECT LIFT STATION GRADING WITH 86 FEET OF RIPRAP FROM EL=902 TO EL=910 (APPROX 1575 SF). SEE 3/C503
 9. TEMPORARILY INSTALL 4'-HIGH ORANGE CONSTRUCTION SAFETY FENCING (APPROX QTY=650') TO DISCOURAGE SLEDDING OR OTHER USE OF HILL OVER WINTER 2023-24. FOR FENCING INSTALLED AT CONTOUR 950, EXTEND ENDS OF FENCING INTO THE TREE LINE ON EITHER SIDE.



DRAWN BY: JC	JOB DATE: 2023
APPROVED: BJO	JOB NUMBER: 191690
CAD DATE: 3/12/2025 9:03:10 AM	
CAD FILE: J:\2019\191690\CAD\Drawings\C107-108.dwg	

NO.	DATE	BY	REVISION DESCRIPTION
1	11/03/23	BJO	F.O.#3
2	3/10/25	BJO	C.O.#5

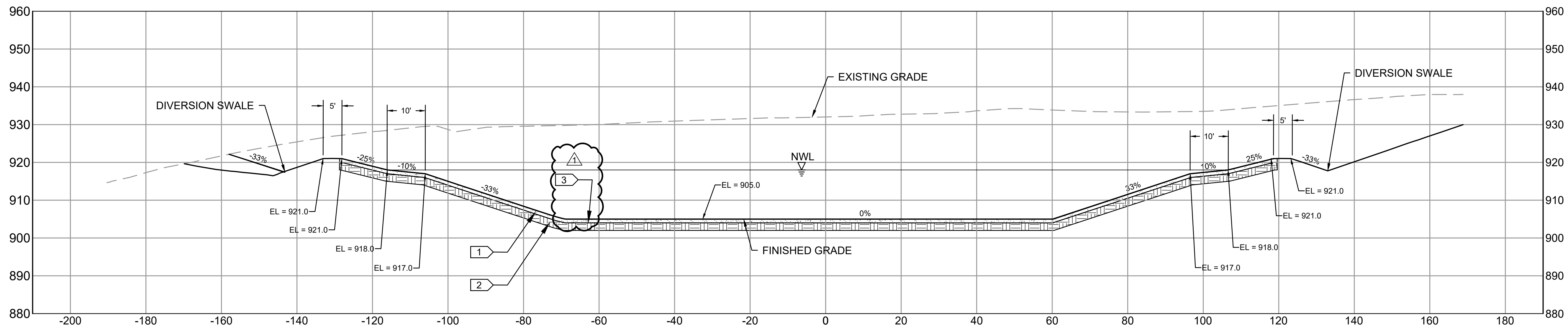
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.			
SIGNATURE:	<i>Bridget Osborn</i>		
DATE: 03/08/2023	BRIDGET J. OSBORN	REG. NO. 52244	



WILMES LAKE ALUM TREATMENT FACILITY
SOUTH WASHINGTON WATERSHED DISTRICT
WOODBURY, MINNESOTA

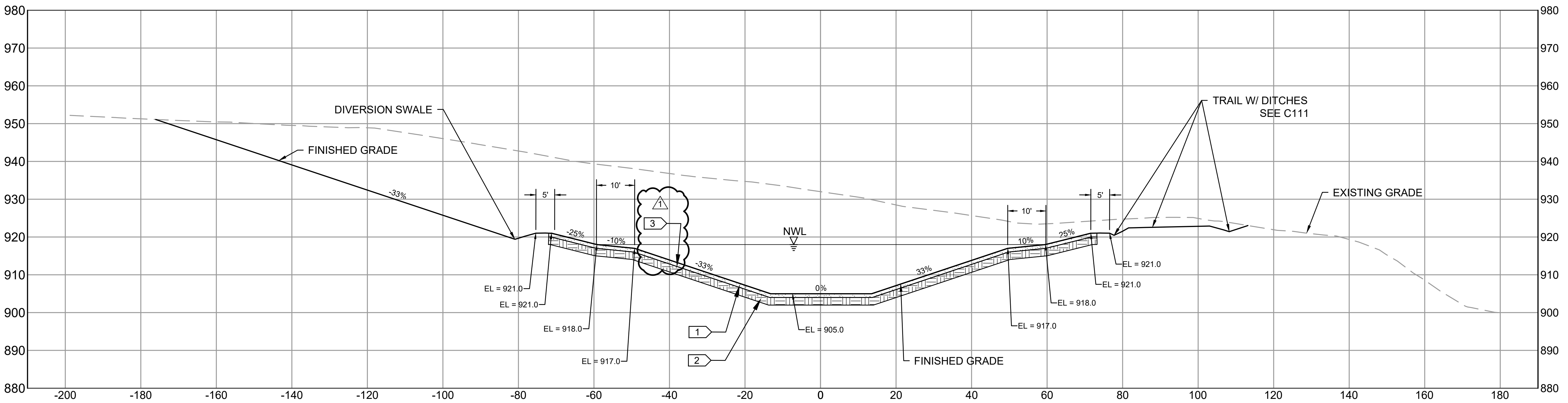
CIVIL
GRADING

SHEET NO.
C107



SECTION A-A'

- KEYNOTES NOTES:
- 12" SAND LAYER MEETING ASTM C136.
 - 24" CLAY LAYER CONSISTING OF SANDY LEAN CLAY, LEAN CLAY WITH SAND, OR LEAN CLAY WITH A PLASTICITY INDEX (PI) OF 15 OR GREATER. CLAY LAYER SHALL BE COMPACTED IN 6-INCH THICK LAYERS TO A MINIMUM OF 95 PERCENT OF THE STANDARD PROCTOR DENSITY (ASTM D 698). AT THE TIME OF COMPACTION, THE MOISTURE CONTENT SHALL BE 2 TO 3 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT.
 - 40 MIL LLDPE GEOMEMBRANE. ANCHOR LINER PER 7/C504.



SECTION B-B'

DRAWN BY: JC
APPROVED: BJO
CAD DATE: 3/12/2025 9:03:10 AM
CAD FILE: J:\2019\191690\CAD\Drawings\C107-108.dwg

JOB DATE: 2023
JOB NUMBER: 191690

NO.	DATE	BY	REVISION DESCRIPTION
1	3/10/25	BJO	C.O. #5

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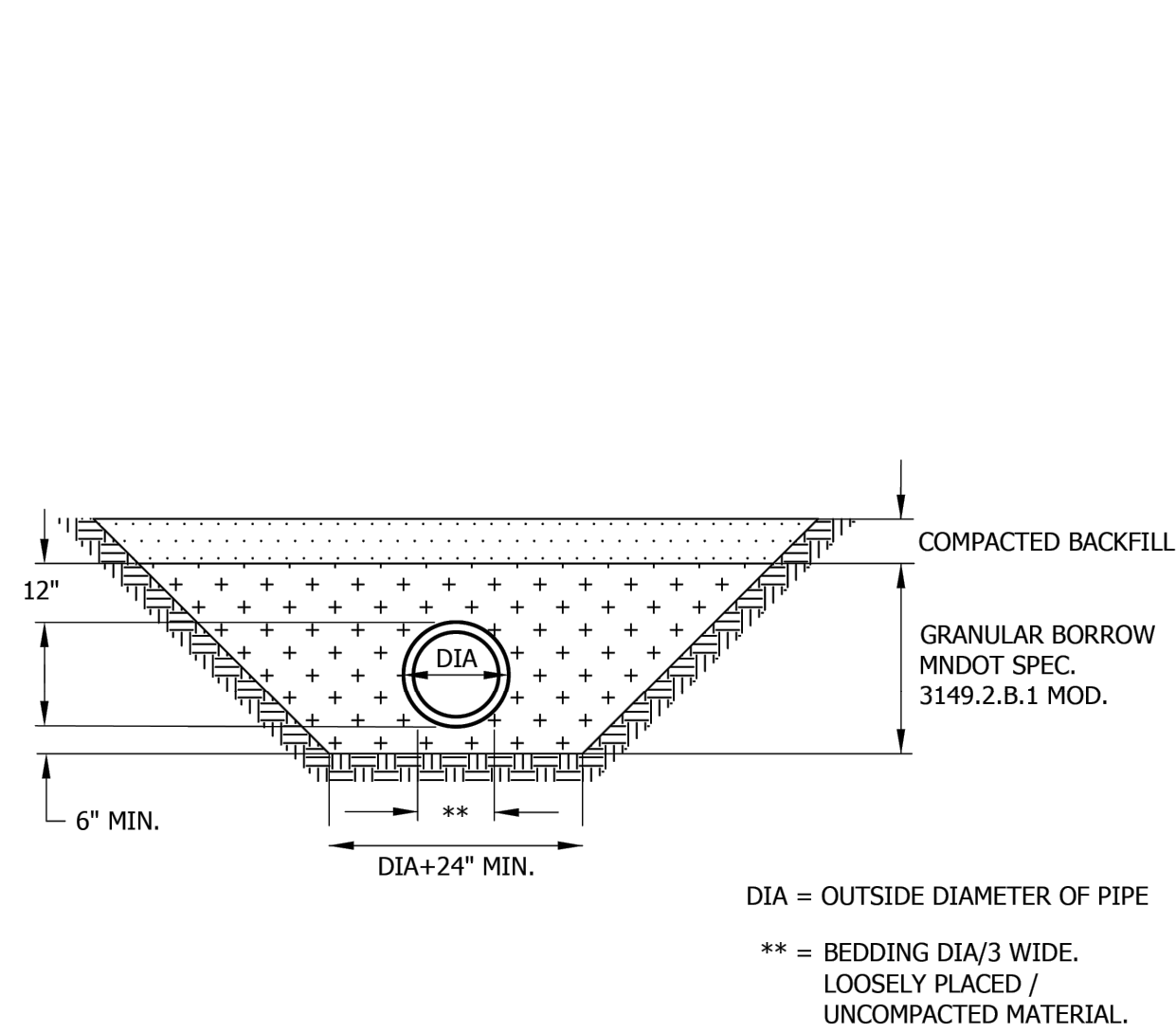
SIGNATURE: *Bridget Osborn*
DATE: 03/08/2023
BRIDGET J. OSBORN
REG. NO. 52244



WILMES LAKE ALUM TREATMENT FACILITY
SOUTH WASHINGTON WATERSHED DISTRICT
WOODBURY, MINNESOTA

CIVIL
POND CROSS SECTIONS

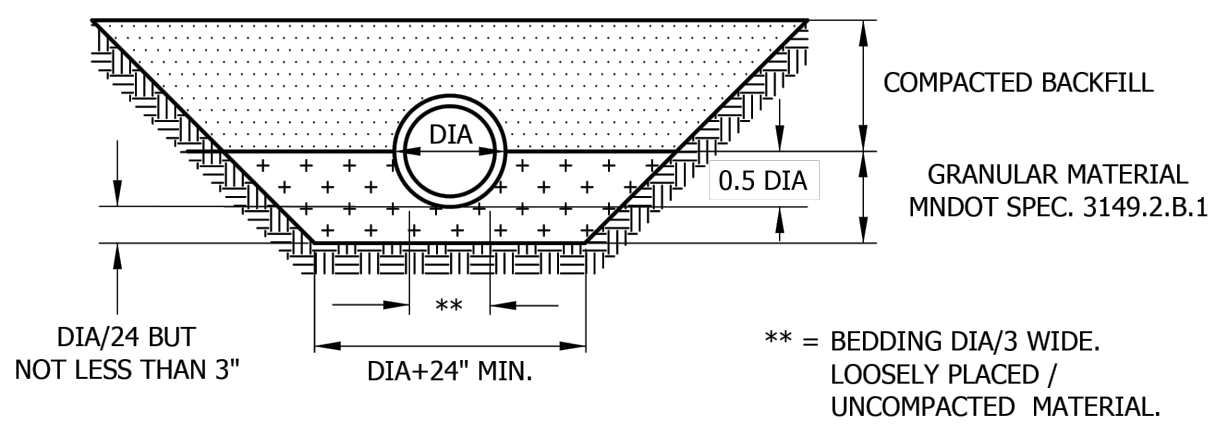
SHEET NO.
C108



PVC AND POLYPROPYLENE PIPE FOUNDATION & BEDDING
GOOD SOILS

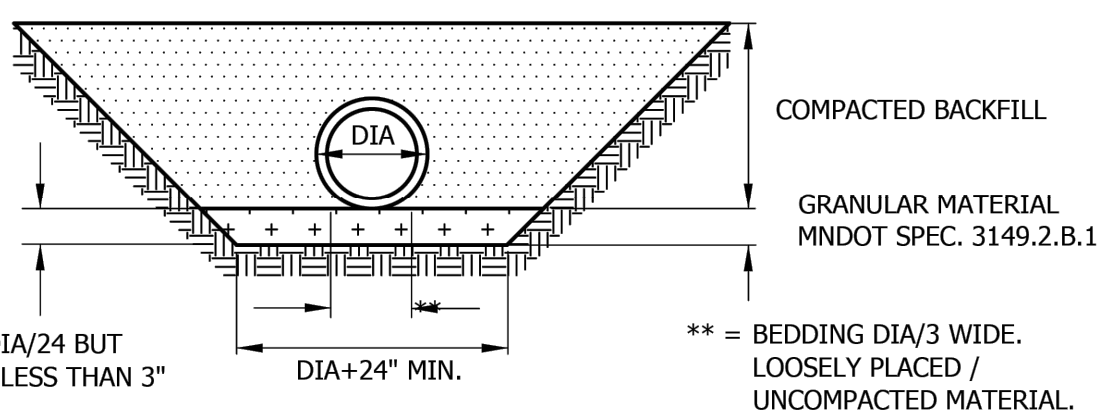
1 PIPE FOUNDATION & BEDDING METHOD FOR
PVC & POLYPROPYLENE TRENCH

SCALE: N.T.S.
PLATE NO. BED-1



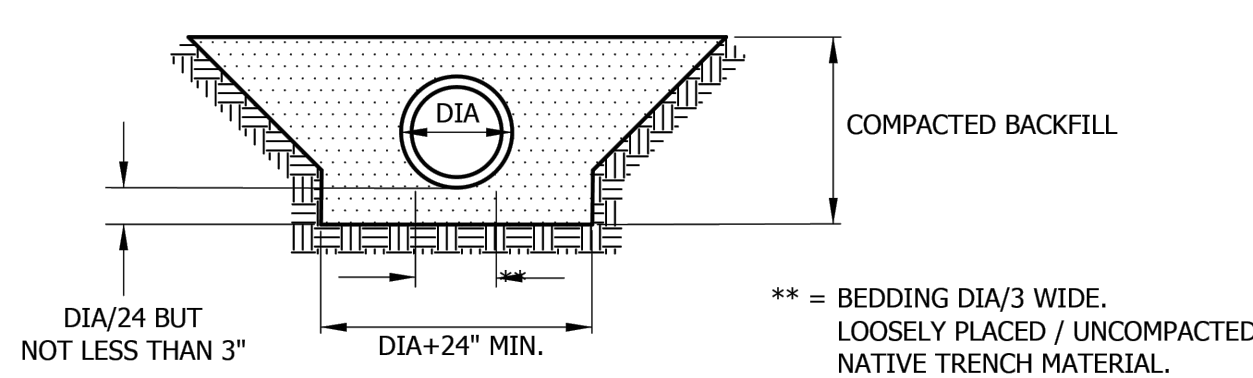
INSTALLATION TYPE 1

DIA = OUTSIDE DIAMETER OF PIPE



INSTALLATION TYPE 2

DIA = OUTSIDE DIAMETER OF PIPE

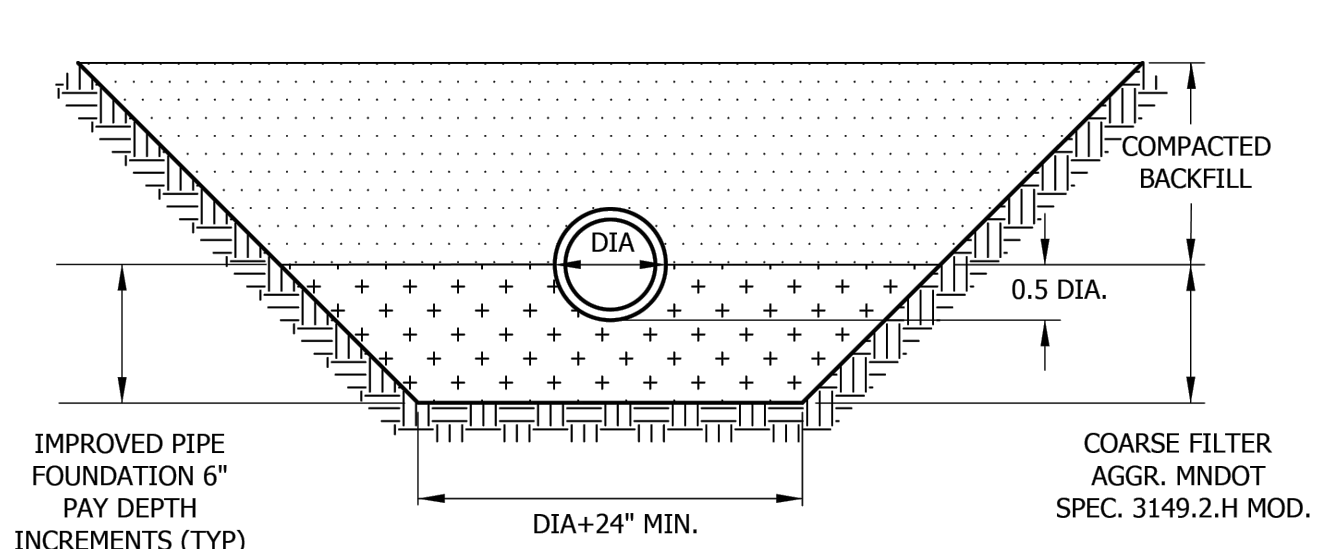


INSTALLATION TYPE 3

DIA = OUTSIDE DIAMETER OF PIPE

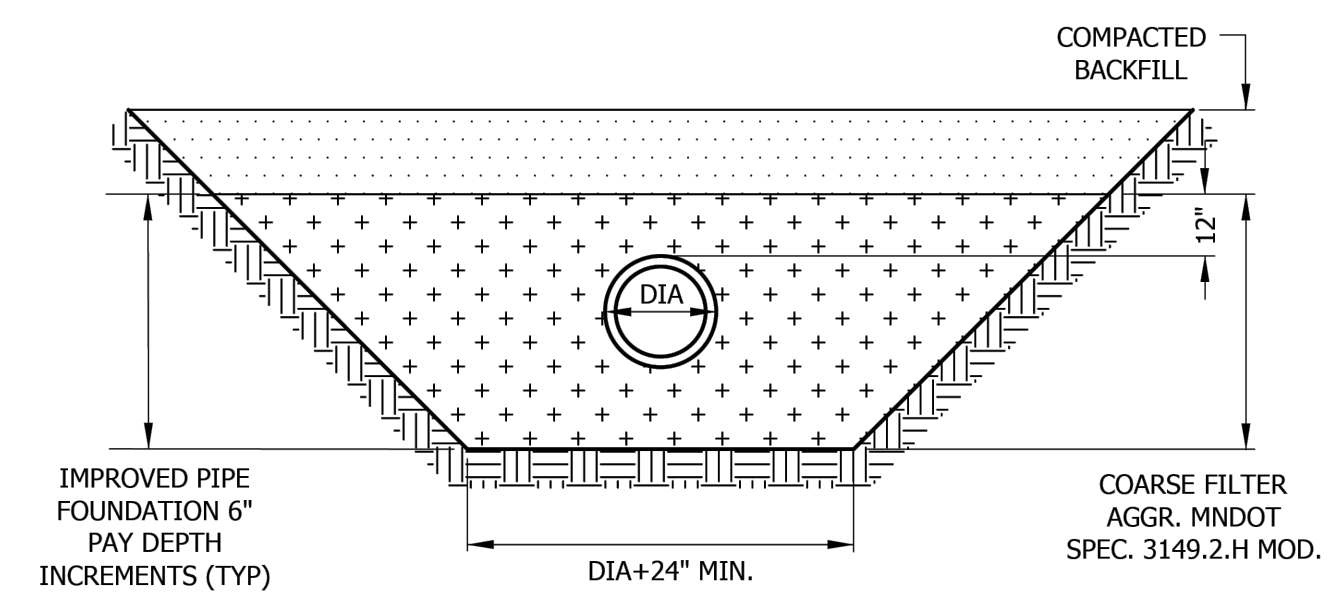
2 PIPE FOUNDATION & BEDDING
METHODS FOR RCP

SCALE: N.T.S.
PLATE NO. BED-2



DIA = OUTSIDE DIAMETER OF PIPE

RCP & DIP PIPE

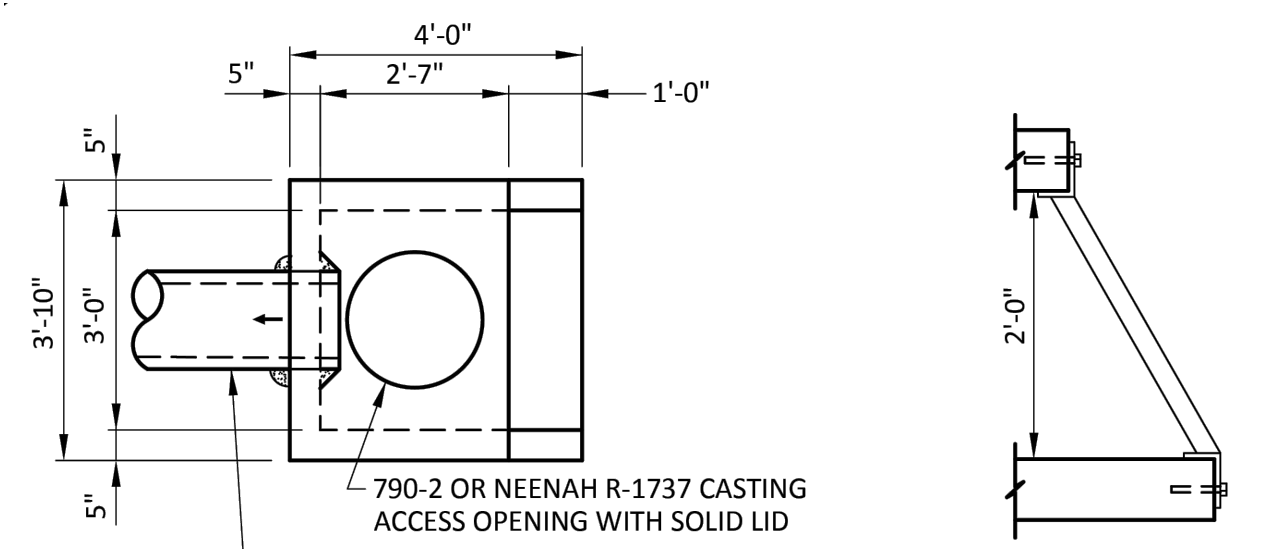


DIA = OUTSIDE DIAMETER OF PIPE

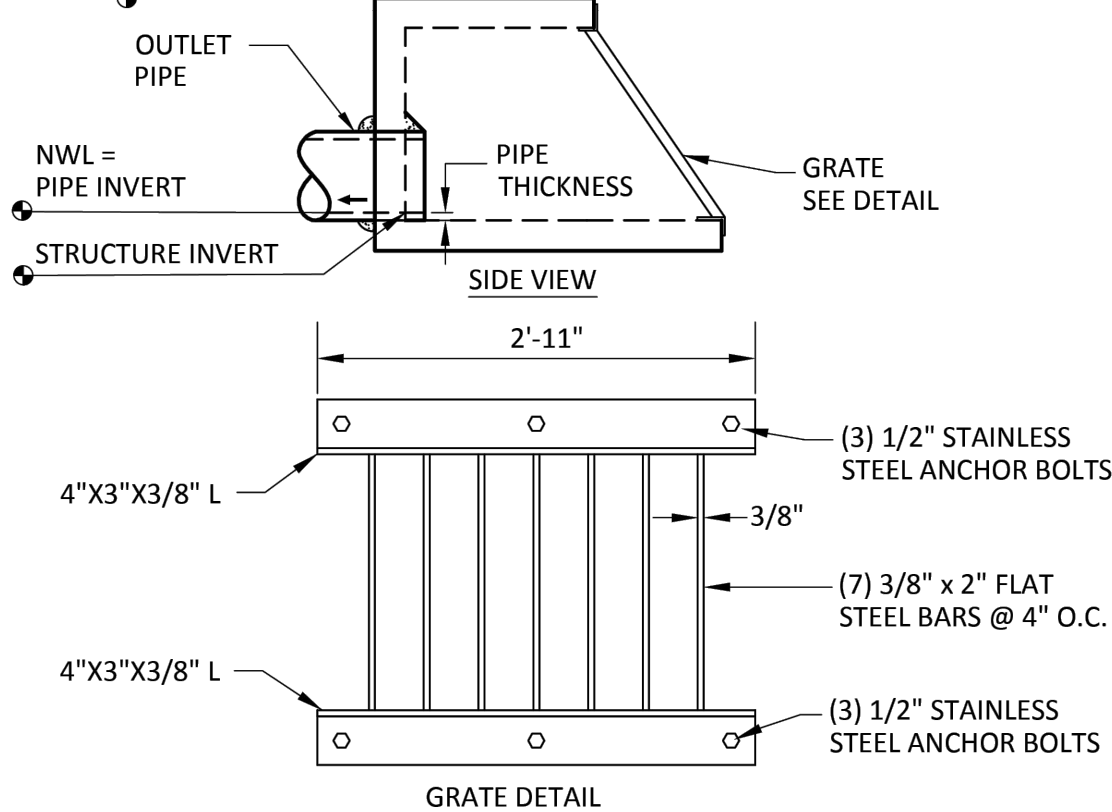
PVC & POLYPROPYLENE PIPE

3 IMPROVED PIPE FOUNDATION FOR RCP, DIP,
PVC & POLYPROPYLENE PIPE TRENCH

SCALE: N.T.S.
PLATE NO. BED-3

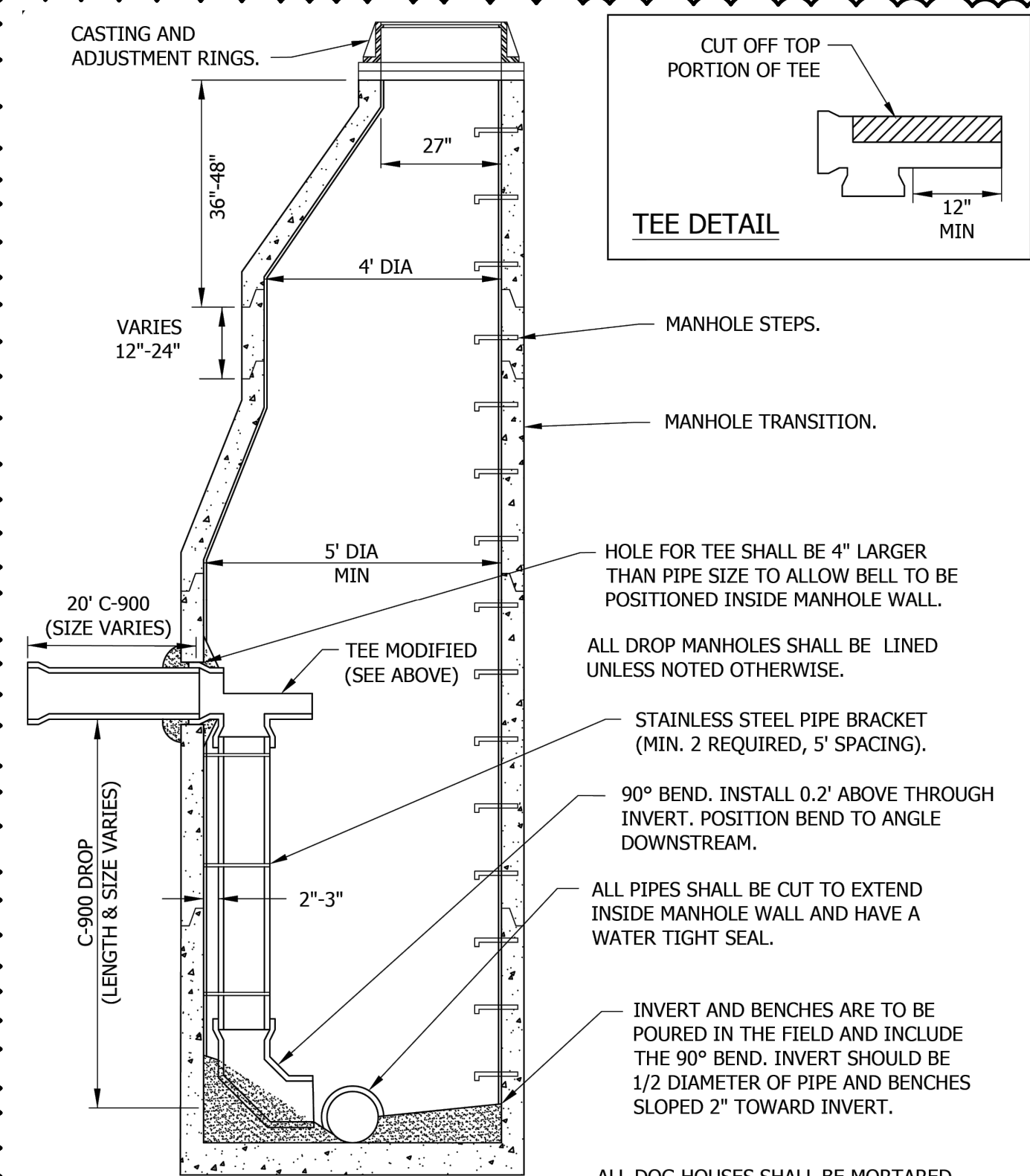


OUTLET STRUCTURE NOTES:
1. OUTLET STRUCTURE SHALL BE REINFORCED PRECAST CONCRETE.
2. GRATING SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
3. ALL ANCHOR BOLTS SHALL BE 1/2" Ø S.S.



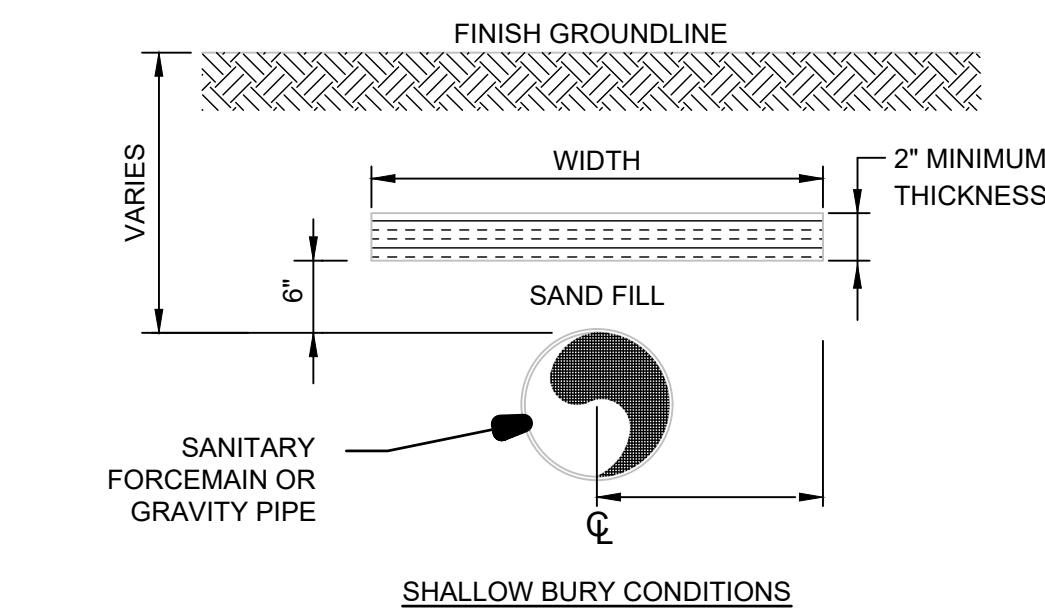
4 OUTLET STRUCTURE

SCALE: N.T.S.
PLATE NO. STO-25



SECTION
5 SANITARY SEWER INSIDE
DROP INLET MANHOLE

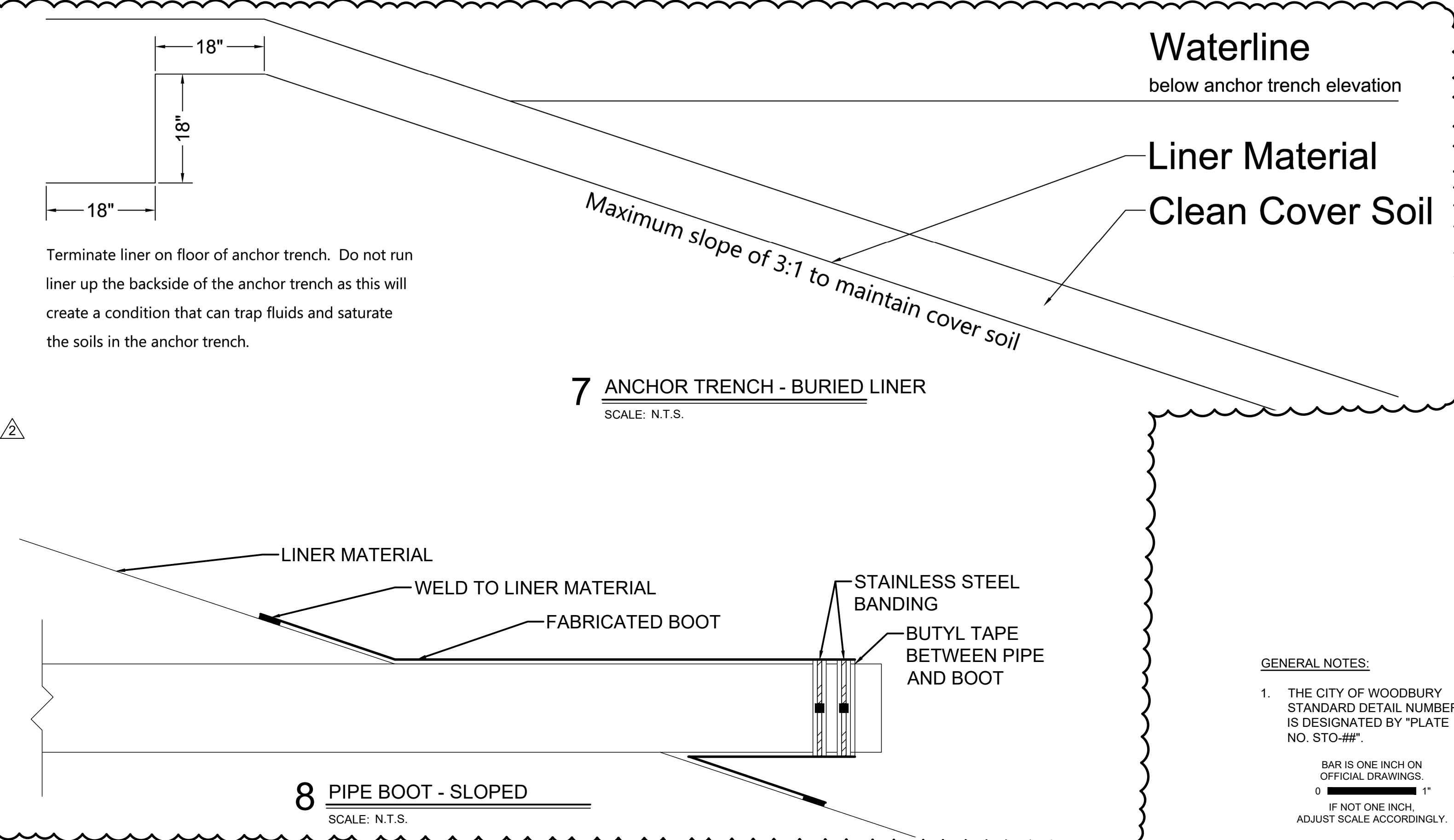
SCALE: N.T.S.
PLATE NO. SAN-7



6 PIPE INSULATION DETAIL

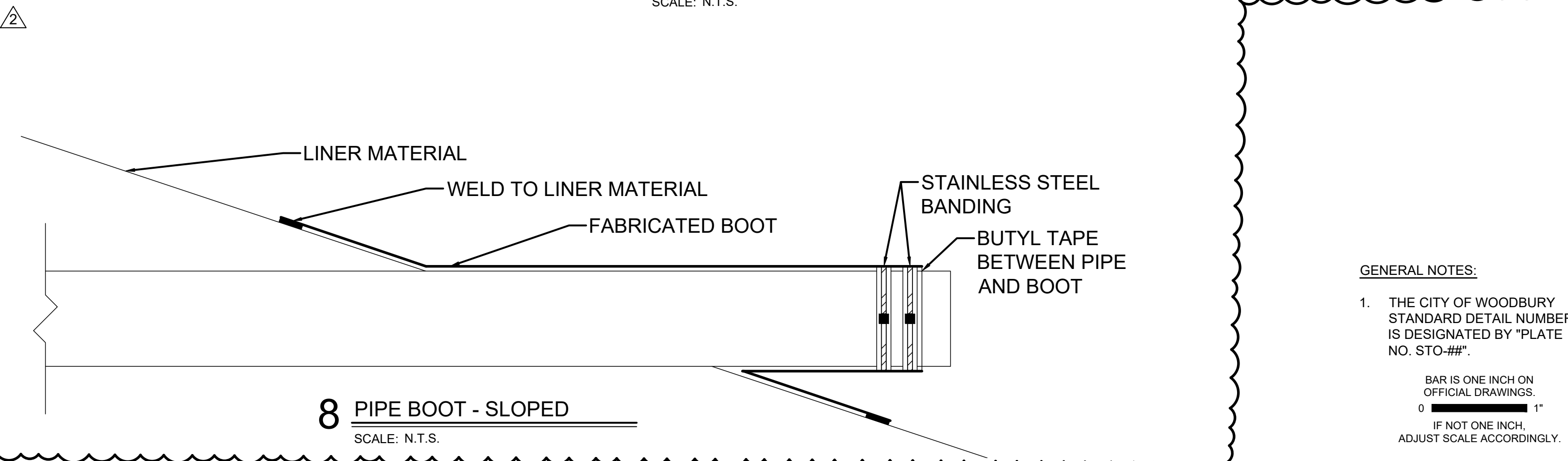
SCALE: N.T.S.

- NOTES:
1. INSULATION SHALL BE CENTERED ON THE PIPE.
 2. RIGID, EXTRUDED POLYSTYRENE BOARD INSULATION, CLOSED CELL OR APPROVED EQUAL.
 3. THERMAL RESISTANCE (R): 5.0.
 4. BOARD SIZE: 48"x96".
 5. WATER ABSORPTION IN ACCORDANCE WITH ANSI/ASTM D2842: 0.1 PERCENT BY VOLUME, MAXIMUM.
 6. EDGES: SQUARE.
 7. ALL LOCATIONS OF SHALLOW COVER AND SANITARY SEWER CONFLICTS OR INTERSECTIONS SHALL BE INSULATED AS EQUAL TO 7.5 FEET OF MINIMUM COVER IN PAVED AND UNPAVED AREAS (1 INCH CLOSED CELL INSULATION = 1 FOOT OF SOIL).
 8. INSULATION LENGTH ALONG WM AND SANITARY PIPES SHALL BE A MINIMUM OF 4 FEET GREATER THAN THE OUTSIDE DIAMETER OF THOSE PIPES.



7 ANCHOR TRENCH - BURIED LINER

SCALE: N.T.S.



8 PIPE BOOT - SLOPED

SCALE: N.T.S.

DRAWN BY: MS	JOB DATE: 2023
APPROVED: BJO	JOB NUMBER: 191690
CAD DATE: 3/9/2025 9:43:50 PM	
CAD FILE: J:\2019\191690\CAD\Drawings\C504.dwg	

NO.	DATE	BY	REVISION DESCRIPTION
1	11/03/23	BJO	F.O.#3
2	3/10/25	BJO	C.O.#5

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	
SIGNATURE: <i>Bridget A. Osborn</i>	DATE: 03/08/2023
BRIDGET A. OSBORN	REG. NO. 52244

HRGreen.com
HRGreen

WILMES LAKE ALUM TREATMENT FACILITY
SOUTH WASHINGTON WATERSHED DISTRICT
WOODBURY, MINNESOTA

CIVIL
DETAILS

SHEET NO.
C504

SECTION 33 0014 -BLENDED LINEAR POLYETHYLENE GEOMEMBRANE

A. DESCRIPTION

1. GENERAL:

The purpose of this specification is to provide details of Manufacturing Quality Control (MQC), Manufacturing Quality Assurance (MQA), Construction Quality Control (CQC), and Construction Quality Assurance (CQA) for the manufacture and pre-assembly of geomembrane products. The Contractor shall furnish all labor, material, and equipment to install the Blended Polyethylene Geomembrane including all necessary and incidental items as detailed or required to complete the installation in accordance with the Contract Drawing and these Specifications.

2. RELATED WORK:

Related Contract Work is described in the following section of the specification as approved by the CQA Engineer.

3. REFERENCE STANDARDS:

ASTM D5199 Standard Test Method for Measuring the Nominal Thickness of Geosynthetics

ASTM D6693 Standard Test Method for Non-Reinforced Polyethylene and Non-Reinforced Flexible Polypropylene Geomembranes.

ASTM D751 Standard Test Methods for Coated Fabrics.

ASTM D1004 Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting.

ASTM D4833 Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products.

ASTM D6392 Standard Test Method for Determining the Integrity of Non-Reinforced Geomembrane Seams Produced Using Thermo-Fusion Methods

4. QUALITY ASSURANCE:

Quality Assurance during installation of Blended Polyethylene Geomembrane will be provided by the Owner as described in the accompanying Project CQA Manual.

5. MANUFACTURER'S QUALIFICATIONS:

- a. The Manufacturer shall have previously demonstrated his ability to produce the required Blended Polyethylene Geomembrane by having successfully manufactured a minimum of 10,000,000 ft² of Blended Polyethylene Geomembrane.
- b. Manufacturer must be ISO 9001 certified.

6. INSTALLER QUALIFICATIONS:

- a. The Blended Polyethylene Geomembrane Installer shall have installed a minimum of 500,000 ft² of Blended Polyethylene Geomembrane (or similar material).

B. MATERIALS

1. GENERAL:

The materials supplied under these Specifications shall consist of first-quality virgin products and select reprocessed resins designed and manufactured specifically for the purpose of this work, which shall have been satisfactorily demonstrated, by prior use, to be suitable and durable for such purposes.

2. BLENDED POLYETHYLENE GEOMEMBRANE MATERIALS:

- a. Blended Polyethylene Geomembrane shall be manufactured to meet the following requirements:

1. Provide finished product free from holes, pinholes, bubbles, blisters, excessive gels, undispersed resins and/or carbon black, or contamination by foreign matter.
 2. Blended Polyethylene Geomembrane shall be a flexible Geomembrane containing carbon black for UV stability and contain no plasticizers.
- b. Approved Blended Polyethylene Geomembrane:
1. HydraFlex HT40 as manufactured by Vialflex Inc. of Sioux Falls, SD
 2. Equal material, as approved by the Engineer.

C. FACTORY FABRICATION

1. The Blended Polyethylene Geomembrane shall be supplied in panels which shall be of maximum size to provide the largest manageable sheet for the fewest seams.
2. Factory seams are produced by thermal sealing methods and shall have a minimum seam width of 1½ inch.
3. Factory seams are 100% visually inspected and destructive testing is done to verify quality compliance.
4. Labels on the panels shall identify the thickness, length, width, lot and panel numbers, and name of Manufacturer.
5. Factory pre-assembled panels are accordion folded and rolled on a cardboard core. Rolled panels are wrapped in a protective layer for shipment.

D. SUBMITTALS

The Contractor shall submit the following to the CQA Engineer:

1. PRE-INSTALLATION REQUIREMENTS:

Prior to Blended Polyethylene Geomembrane installation, the Contractor shall submit the following:

- a. Certificate of Conformance and Sample: Prior to shipping to the site, the Contractor shall submit a certificate or affidavit signed by a legally authorized official of the Manufacturer for the Blended Polyethylene Geomembrane attesting that the Blended Polyethylene Geomembrane meets the physical and manufacturing requirements stated in these Specifications. The Contractor shall also submit a sample of the Blended Polyethylene Geomembrane to be used (sample may be of different color). The sample shall be labeled with the product name and be accompanied by the Manufacturer's specifications.
- b. Shipping, Handling, and Storage Instructions: The Manufacturer's plan for shipping, handling, and storage shall be submitted for review.
- c. Installation Procedures:
Submit installation procedures for carrying out the work. Installation procedures to be addressed shall include but not be limited to material installation, repair, and protection to be provided in the event of rain or strong winds. With regard to protection, the Contractor shall provide a plan of sufficiently anchoring the Blended Polyethylene Geomembrane to satisfy the Contractor's Performance Warranty. This plan shall be approved by the Engineer prior to construction.
- d. Furnish copies of the delivery tickets or other approved receipts as evidence for materials received that will be incorporated into the construction.

2. POST-INSTALLATION REQUIREMENTS:

- a. Upon completion of the Blended Polyethylene Geomembrane installation, the Contractor shall submit the following:
 - i. Completed material performance warranty.

E. SITE PREPARATION AND INSTALLATION

1. Installation shall be in accordance with the Manufacturer's Geomembrane Installation Guidelines.

TABLE 1: REQUIRED BLENDED POLYETHYLENE GEOMEMBRANE PROPERTIES 40 MIL

PROPERTY	TEST METHOD	IMPERIAL UNITS	METRIC UNITS	IMPERIAL MIN. ROLL AVERAGES	METRIC MIN. ROLL AVERAGES
Thickness	ASTM D5994	mils	mm	36	.91
Tensile Strength	ASTM D6693	ppi	N/cm	70	123
Tensile Elongation	ASTM D6693	%		300	
Tear Resistance	ASTM D1004	lbs	N	20	89
Puncture Resistance	ASTM D4833	lbs	N	50	222
Bonded Seam Strength	ASTM D6392	lbs/in width	N	60	267
Seam Peel Adhesion	ASTM D6392	lbs/in width	N	50	222

Notes:

1. The Engineer may allow alternates to these requirements.

Change Request

To: Kyle Axtell
SOUTH WASHINGTON WATERSHED DIS
2302 TOWER DRIVE
WOODBURY, MN 55125
Ph: (651)714-3718

Number: 8rx3
Date: 3/3/25
Job: TH-23-088 Wilmes Lake Stormwater

Description: Option #3 Pond Liner + Option #2 from Email 02.18.2025

We are pleased to offer the following specifications and pricing to make the following changes:

Option #3 - Pond Liner Installation + Option #2 from SWWD email 02.18.2025

**Revising Substantial Completion to June 30, 2025

*Liner Lead Time as Follows;

****Shops/Fabrication Submittals - 1-2 Weeks

****Review HR Green - 1-2 Weeks

****Fabrication after Approved Submittal - 6-8 Weeks

****Shipping - 1-2 Weeks

****Scheduling of Welding Sub (Once Ship Date Confirmed) - 2-4 Weeks

****On-Site Install of Liner (Temps Above 60 F) - 1-2 Weeks

Work performed by subcontractors:

Description	Quantity	Unit	Unit Price	Price
Option #3 Pond Liner Install	1.00	ls	\$107,068.00	\$107,068.00
FIELD ENGINEERING & SURVEYING - TESTING/INSPECTION ALLOWANCE	1.00	ls	\$5,000.00	\$5,000.00
FIELD ENGINEERING & SURVEYING - SURVEY ALLOWANCE	1.00	ls	\$5,000.00	\$5,000.00
			Subtotal:	\$117,068.00
			Subtotal:	\$117,068.00
	Sub-Contracted	\$117,068.00	5.00%	\$5,853.40
	Bonds/Insurance	\$117,068.00	2.25%	\$2,634.03
			Total:	\$125,555.43

Please note that MORCON CONSTRUCTION CO., INC. will require an extra June 30, 2025 Substa.

At this time we have not included any provisions for unforeseen conditions, overtime premiums, schedule delays, out of sequence work labor inefficiencies, etc., which may result as a consequence of this change. Should such conditions be encountered, we reserve the right to be reimbursed for associated costs. Please provide written confirmation if we are to proceed with this change.

Submitted by: Tony Hall (763)546-6066
MORCON CONSTRUCTION CO INC
thall@morcon.com

Approved by: _____
Date: _____

Cc: Bridget Osborn (HR GREEN, INC.)



420 Broadway Avenue, St. Paul Park, MN 55071 • (651) 768-9367 • Fax (651) 768-9258
Web site: www.totalmech.com

March 13, 2025

Mr. Tony Hall
Morcon Construction
5151 Industrial Blvd NE
Fridley, MN 55421

RE: Wilmes Lake Alum Treatment
Change Order Proposal Pond Liner R2

Dear Tony,

LLDPE

Please see below the costs for installation of a 40 mil ~~PVC~~ pond liner as requested by the Engineer. Please note that the liner needs to be installed at temperatures above 60 degrees. We have modified the quote to perform the sand removal and reinstallation at no cost to the Owner. We estimate final completion of the work to be 120 days from the change order approval date. This assumes liner shop drawing approval by 4/7/25.

Remove sand and stockpile on site in cul-de-sac	= NC
F&I 40 mil LLDPE liner	= \$107,068
Reinstall sand over PVC Liner	= NC
<hr/>	
Lump Sum Total	= \$107,068

Total Mechanical Services has not included any delay costs in this proposal and reserves the right to claim additional time and compensation accordingly. Our quote is valid for 7 days and subject to escalation thereafter.

If you have any questions or require further assistance, please contact our office at (651) 768-9367.

Sincerely,

Mark Diessner
Executive Vice President
Total Mechanical Services, Inc

R:\1000 Industrial Jobs\1637 Wilmes Lake Alum Treatment\Change Order Estimates\Pond Liner\Pond Liner Proposal R2.docx

Tony Hall

From: Steve St. Claire <steve.st.claire@millerexc.com>
Sent: Thursday, March 13, 2025 8:11 AM
To: Tony Hall; Mark Diessner
Subject: RE: Wilmes Lake - Update

CAUTION: EXTERNAL

Tony & Mark,

- | | |
|--|--------------------|
| 1. Shop drawings & fabrication drawings requested) | 2-3 weeks (already |
| 2. Fabrication of liner | 6-8 weeks |
| 3. Shipping | 1-2 weeks |
| 4. Scheduling of welding sub (once confirmed ship date on liner set) | 2-4 weeks |
| 5. Onsite install of liner (Temps above 60F) | 1-2 weeks |

We will do everything we can to expedite the process.

Steve St. Claire

President | **Miller Excavating, Inc.**
3741 Stagecoach Trail North | Stillwater, MN 55082
651.439.1637 Office | 651.269.8176 Cell | 651.351.7210 Fax
steve.st.claire@millerexc.com | Email



From: Tony Hall <thall@morcon.com>
Sent: Thursday, March 13, 2025 7:58 AM
To: Mark Diessner <MDiessner@totalmech.com>; Steve St. Claire <steve.st.claire@millerexc.com>
Subject: RE: Wilmes Lake - Update

Agreed. I intend to include within my COR the following;

1. Lead times were 6-8 weeks from submittal approval (this lead time was given at the time of submitting the COR and are subject to change)
 - a. If you have back up for this lead time please provide with your updated proposal
2. Weather restrictions – XX degrees and rising consecutive temps are required for the liner installation (fill in the temperature)

Tony Hall

From: Osborn, Bridget <bosborn@hrgreen.com>
Sent: Tuesday, February 18, 2025 10:53 AM
To: Tony Hall; Kyle Axtell
Cc: Sockness, Jay; John Aller
Subject: RE: Wilmes Lake - Update

CAUTION: EXTERNAL

Hi Tony,

Thanks for sending this over. As indicated in my email sent on December 9, 2024, the depth of water loss seen in the basin over observed periods during the summer of 2024 far exceeded the expected 1/16" of percolation and 1.8" of evaporation per week in Minnesota observed by the MnDNR and the St. Anthony Falls Laboratory. Even with an additional evaporation test on site, results are not expected to deviate from the credited sources mentioned. Therefore, without other reasonable causes of significant water loss, previously identified deficiencies in the liner, observations of work deviating from the technical specifications, and the lack of testing records during installation, the pond liner is considered defective work as noted in the SWWD email on November 6, 2024.

We have reviewed the change order request and are proposing one of two options to move forward.

Option #1: Process a modified Change Order 008rx1 Request. Morcon accepts a contract deduct of 50% of the installed clay liner costs due to defective installation (lump sum deduct of \$29,660 from contract price) and SWWD accepts the defective clay liner condition as-is with no further modification by contractor.

Option #2: Process a modified Change Order 008rx1 Request. SWWD pays the proposed liner cost and the testing and surveying fees with contractor markups. SWWD will not pay for the sand removal and replacement or supervision costs. Total change order is \$122,921.93 to complete the pond liner installation and testing.

Please let us know how you would like to proceed. Regardless of the intended direction, SWWD's final decision on the matter cannot be made by staff and will be made by its Board of Managers as part of its normal process to consider contract change orders.

Thanks,
Bridget

Bridget Osborn, PE, CFM
Project Manager – Water Resources
Direct 651.659.7773
HR Green® | Building Communities. Improving Lives.

The contents of this transmission and any attachments are confidential and intended for the use of the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited.

From: Tony Hall <thall@morcon.com>
Sent: Tuesday, February 4, 2025 12:43 PM
To: Osborn, Bridget <bosborn@hrgreen.com>; Kyle Axtell <Kyle.Axtell@swwdmn.gov>
Cc: Sockness, Jay <jay.sockness@hrgreen.com>; John Aller <jaller@morcon.com>
Subject: RE: Wilmes Lake - Update

This email came from outside the HR Green organization. Please use caution when clicking on hyperlinks and opening attachments

Disregard previous something wasn't adding properly. The attached should be correct. Sorry for the confusion.
Thanks,

Tony Hall | Morcon Construction Co., Inc. | Project Manager / Estimator
Direct: 763.546.9160 | Cell: 612.799.0256 | Fax: 763.546.3129
thall@morcon.com | www.morcon.com

From: Tony Hall
Sent: Tuesday, February 4, 2025 12:24 PM
To: Osborn, Bridget <bosborn@hrgreen.com>; Kyle Axtell <Kyle.Axtell@swwdmn.gov>
Cc: Sockness, Jay <jay.sockness@hrgreen.com>; John Aller <jaller@morcon.com>
Subject: RE: Wilmes Lake - Update

Attached revised. Let me know how you would like to proceed.
Thanks,

Tony Hall | Morcon Construction Co., Inc. | Project Manager / Estimator
Direct: 763.546.9160 | Cell: 612.799.0256 | Fax: 763.546.3129
thall@morcon.com | www.morcon.com

From: Osborn, Bridget <bosborn@hrgreen.com>
Sent: Tuesday, January 28, 2025 4:15 PM
To: Tony Hall <thall@morcon.com>; Kyle Axtell <Kyle.Axtell@swwdmn.gov>
Cc: Sockness, Jay <jay.sockness@hrgreen.com>; John Aller <jaller@morcon.com>
Subject: RE: Wilmes Lake - Update

CAUTION: EXTERNAL

Hi Tony,

Kyle and I have reviewed the COR and would like to see an LLDPE liner option. A PVC liner is being proposed, and that option was not included as an acceptable option.

Please let us know if you have any questions.
Bridget

Bridget Osborn, PE, CFM
Project Manager – Water Resources
Direct 651.659.7773
HR Green® | Building Communities. Improving Lives.

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From: Tony Hall <thall@morcon.com>
Sent: Tuesday, January 28, 2025 1:12 PM

To: Kyle Axtell <Kyle.Axtell@swwdmn.gov>; Osborn, Bridget <bosborn@hrgreen.com>
Cc: Sockness, Jay <jay.sockness@hrgreen.com>; John Aller <jaller@morcon.com>
Subject: RE: Wilmes Lake - Update

This email came from outside the HR Green organization. Please use caution when clicking on hyperlinks and opening attachments

Attached is the COR for the pond liner (Option #3) in the letter we received. I am submitting this through as a standard COR for discussion purposes. Please let me know how you would like to proceed from here.
Thanks,

Tony Hall | Morcon Construction Co., Inc. | Project Manager / Estimator
Direct: 763.546.9160 | Cell: 612.799.0256 | Fax: 763.546.3129
thall@morcon.com | www.morcon.com

From: Tony Hall
Sent: Thursday, January 23, 2025 7:31 AM
To: Kyle Axtell <Kyle.Axtell@swwdmn.gov>; Osborn, Bridget <bosborn@hrgreen.com>
Cc: jay.sockness@hrgreen.com; John Aller <jaller@morcon.com>
Subject: RE: Wilmes Lake - Update

Kyle, Bridget,

Attached are some daily reports provided by A1 for pressure testing the force main (2023) and completing their punch list items (2024). Let me know if this will suffice item #1 below or what specific data you need beyond that. There was also the previous correspondence back in October confirming this was tested at 150 psi for 2 hours.

I was told by Miller that he has sent pricing for the pond liner to Total late last week so I am waiting for Total to formalize on their end. Hoping to have it here yet this week.
Thanks,

Tony Hall | Morcon Construction Co., Inc. | Project Manager / Estimator
Direct: 763.546.9160 | Cell: 612.799.0256 | Fax: 763.546.3129
thall@morcon.com | www.morcon.com

From: Kyle Axtell <Kyle.Axtell@swwdmn.gov>
Sent: Tuesday, January 7, 2025 8:58 AM
To: Tony Hall <thall@morcon.com>; Osborn, Bridget <bosborn@hrgreen.com>
Cc: jay.sockness@hrgreen.com; John Aller <jaller@morcon.com>
Subject: RE: Wilmes Lake - Update

CAUTION: EXTERNAL

Tony,

Thanks for the update. Good to hear the punch list will be getting an update soon. I've got a couple responses and additional thoughts for you:

1. We've asked repeatedly for months about two items related to the force main.

- a. Evidence of and data from a pressure test upon installation and/or complete a new pressure test to verify specifications have been met and there are no leaks.
 - b. Drain the force main for winter (we're already long past the beginning of winter with two prolonged hard freeze cycles in the books). I have not received any confirmation that the pipes were drained. We have not accepted the project yet. If the pipes have frozen and burst, that is not going to be our problem. We've asked multiple times going back to October.
2. We await a response and plan for corrective actions to address the ineffective clay liner in the pond. If you plan to propose an alternate liner material (that was one suggested option), then we look forward to the proposal. A reminder: as constructed, project specifications have not been met. We anticipate continued discussions on this topic once a proposal has been submitted.
 3. We are open to the concept of moving the contract's substantial and final completion dates. This will only happen in conjunction with an acceptable agreement regarding the ineffective pond liner as we'll need to get a handle on reasonable expectations of work schedule and time needs.
 4. We are open to the concept of some reduction in retainage. This will only happen in conjunction with an acceptable agreement regarding the ineffective pond liner as we'll need to get a handle on remaining project completion costs and values.

Lastly – I've heard that Comcast may be run to the building by the end of January. Additionally, the City intends to locally install their software to activate the badge readers for door entry. The physical keys will still work. Just letting folks know – I'll be coordinating that with city IT staff next week, it seems.

***NOTE NEW EMAIL ADDRESS**

Kyle Axtell *(he/him)*

Watershed Project Manager

South Washington Watershed District
2302 Tower Drive, Woodbury, MN 55125
(651) 714-3718
swwdmn.gov



**SOUTH WASHINGTON
WATERSHED DISTRICT**

Notice: The South Washington Watershed District website domain and email addresses have changed. The website domain is now swwdmn.gov, and staff email addresses are now @swwdmn.gov. Visitors to the website will be automatically redirected to the new address, and all emails will be redirected to the new addresses.

From: Tony Hall <thall@morcon.com>

Sent: Friday, January 3, 2025 11:42 AM

To: Axtell, Kyle <kyle.axteli@woodburymn.gov>; Osborn, Bridget <bosborn@hrgreen.com>

Cc: jay.sockness@hrgreen.com; John Aller <jaller@morcon.com>

Subject: Wilmes Lake - Update

Happy New Year Kyle and Bridget,

Wanted to reach out with an update, I am waiting on Killmer/Total to simply document the items from the punchlist they are complete with and ones that still remain. Once I have that updated I will forward on for everyone's records. Beyond that, I know miller is working on a price for the liner option on the pond (expecting something next week).

I'd like to move forward with some type of modified substantial completion dates (whatever that looks like) so that we can start compiling closeouts here in the off season and potentially look at some reduced retainage based on items that are completed so that we can look at getting subs that are complete with the project paid up. Please let me know if this is something that we can get in motion.

Thanks!

Tony Hall | Morcon Construction Co., Inc. | Project Manager / Estimator
Direct: 763.546.9160 | Cell: 612.799.0256 | Fax: 763.546.3129
thall@morcon.com | www.morcon.com



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 5d
Title: 3M Priority 2 Grant Requests	Board Action Requested: None	Required Signatures None
Reviewed by: JHL		Presented by: Loomis/Axtell
Background/Justification: Minnesota DNR has published a Request for Proposals for the 3M PFAS Settlement Priority 2 Grant Program. The first phase involves submitting Letters of Interest by April 4, 2025. Eligible projects must help to achieve one or more of the Priority 2 settlement goals: <ul style="list-style-type: none">• Goal 1 – Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats.• Goal 2 – Increase understanding of fish tissue contamination, improve communication about PFAS-based fish consumption advisories, and identify and enhance alternative, non-contaminated fishing areas.• Goal 3 – Improve and enhance outdoor recreational opportunities. Applicants can apply for no less than \$20,000 per project. No match is required, although leveraged funding is part of the review process. SWWD staff have submitted the enclosed Letters of Intent for consideration: <ul style="list-style-type: none">• Grey Cloud Slough Habitat Rehabilitation Project (\$3,500,000 request)• SWWD Glacial Valley Park Interpretive Center (\$1,500,000 request)• CR74 Ravine Stabilization (\$300,000 request)		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$ 0		Comments:
Fund:	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation Approval <u>Informational</u> Denial No Recommendation	Comments

3M PFAS Settlement Priority 2 Grant Program 2024 Letter of Intent Proposal Form

The purpose of the Letter of Intent (LOI) is to give the project proposer an opportunity to briefly explain the activities and outcomes of their proposed project. The Letter of Intent will allow DNR and MPCA to assess whether the proposed projects are eligible for Priority 2 funding, and provide feedback early in the application process. If a Letter of Intent satisfies the eligibility requirements, the proposer will be invited to submit a full grant application.

Instructions:

1. Read the [Request for Proposal](#) before completing this form.
2. Completed proposal must be limited to the completion of this form.
3. Save the completed Letter of Intent locally, and email to 3MPriority2@state.mn.us.

All submissions **MUST** be received by the deadline of 4:30 p.m. CST on Friday, April 4, 2025.

PROJECT INFORMATION

Project Name:

Approximate latitude/longitude (decimal degrees; please approximate the project's 'center'):

Attach a map of the project location. Be sure to include all areas in which the project will conduct activities.

APPLICANT CONTACT INFORMATION

Organization:

Applicant Website:

Name/Title of Primary Contact:

Telephone:

E-mail:

Name/Title of Authorized Agent (if applicable):

Telephone:

E-mail:

☐ I have the authority to apply for this grant on behalf of the organization.

Other collaborating organization(s) and their role(s):

PROJECT CATEGORY

Required: Select the primary project category (select at least one primary goal as required to receive funding)

- ☐ Restoration of wildlife and habitats
- ☐ Recreational fishing related projects
- ☐ Non-fishing related outdoor recreation projects

ESTIMATED FUNDING REQUEST AMOUNT

Anticipated Grant Request:

Anticipated Total Project Cost:

PROJECT SUMMARY

Include a high-level description of the project, activities, goals, needs, and/or outcomes. Attach or provide hyperlinks to plans and other supplementary information, as appropriate. Please note that project details are not expected to be finalized until later in the application process, nor will the responses in this LOI form be factored into the final award decisions. However, a descriptive project summary will lead to better individualized feedback on this LOI from members of the DNR and MPCA Evaluation Team.

LETTER OF INTENT SCREENING CRITERIA

Based on the information provided in this LOI form and attachments, the DNR and MPCA will determine whether proposed projects meet each of the screening criteria. The eight pass/fail screening criteria are listed and described below. DNR will invite proposers to complete a full grant application if the LOI passes **all** screening criteria.

1. Lead applicant is an eligible organization. Check the type of organization applying:

- ☐ Local units of government (e.g., city, township, county)
- ☐ Soil & water conservation, watershed, and lake improvement districts
- ☐ Area-wide agency, including regional planning agency
- ☐ Nonprofit organizations
- ☐ Public school district and nonprofit schools
- ☐ Institutes of higher education (public and nonprofit)
- ☐ Port authorities
- ☐ Tribal governments
- ☐ Federal agencies
- ☐ State agencies (excludes direct funding to the DNR and MPCA; however, agencies may participate as collaborators)

2. Addresses losses of natural resources and services.

Describe how the project will address one or more of the settlement goals for Priority 2:

- Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats.
- Increase understanding of fish tissue contamination, improve communication about PFAS-based fish consumption advisories, and identify and enhance alternative, non-contaminated fishing areas.
- Improve and enhance outdoor recreational opportunities.

3. Is technically and administratively feasible.

Please detail how the proposed project is technically and administratively feasible. Although project details are not expected to be finalized until later in the application process, the basic elements of the project should be developed to ensure completion given the time frame and funding proposed. Evidence of a project's feasibility can include, but is not limited to, the following:

- The techniques/approaches/methods being used are well-established;
- Your organization, collaborators, or partners have relevant experience with the proposed activities;
- Cost and time estimates are based on other, similar projects that have been successfully executed or described in recent planning documents;
- The project has the ability to secure relevant landowner support for the project, as needed (required in full grant application).

4. Would not jeopardize public health or safety.

Projects must not threaten public health or safety. For example, proposed fishing projects must include communications consistent with the current MDH FCA guidelines.

☐ I attest that the project will comply with all relevant public health and safety regulations.

☐ I attest that the project meets one of the following:

- a. Would NOT increase public access to fishing, OR
- b. Would increase public access to recreational fishing and would include communications about fish consumption related risks consistent with current [MDH FCA guidelines](#).

5. Complies with applicable laws, regulations, and rules.

Projects must be legal and adhere to applicable federal, state, local, and tribal laws, rules, and regulations, including meeting all State ADA requirements.

☐ I attest that the project will comply with all applicable federal, state, local, and tribal regulations.

6. Unlikely to be completed without Priority 2 funding.

Priority 2 funds may not be used as a substitute for traditional sources of funding or for required actions. However, Priority 2 funds can supplement the traditional sources if the proposed project would demonstrate additional resource benefits.

☐ I attest that Priority 2 funding would not be used to supplant existing funding.

7. Located within the Priority 2 Project Area. If located in a Limited Project Area, proposed project is consistent with the qualifying project activities.

The majority (>50%) of a proposed project area or a project's activities must occur within the Priority 2 Project Area (see Appendix B of RFP).

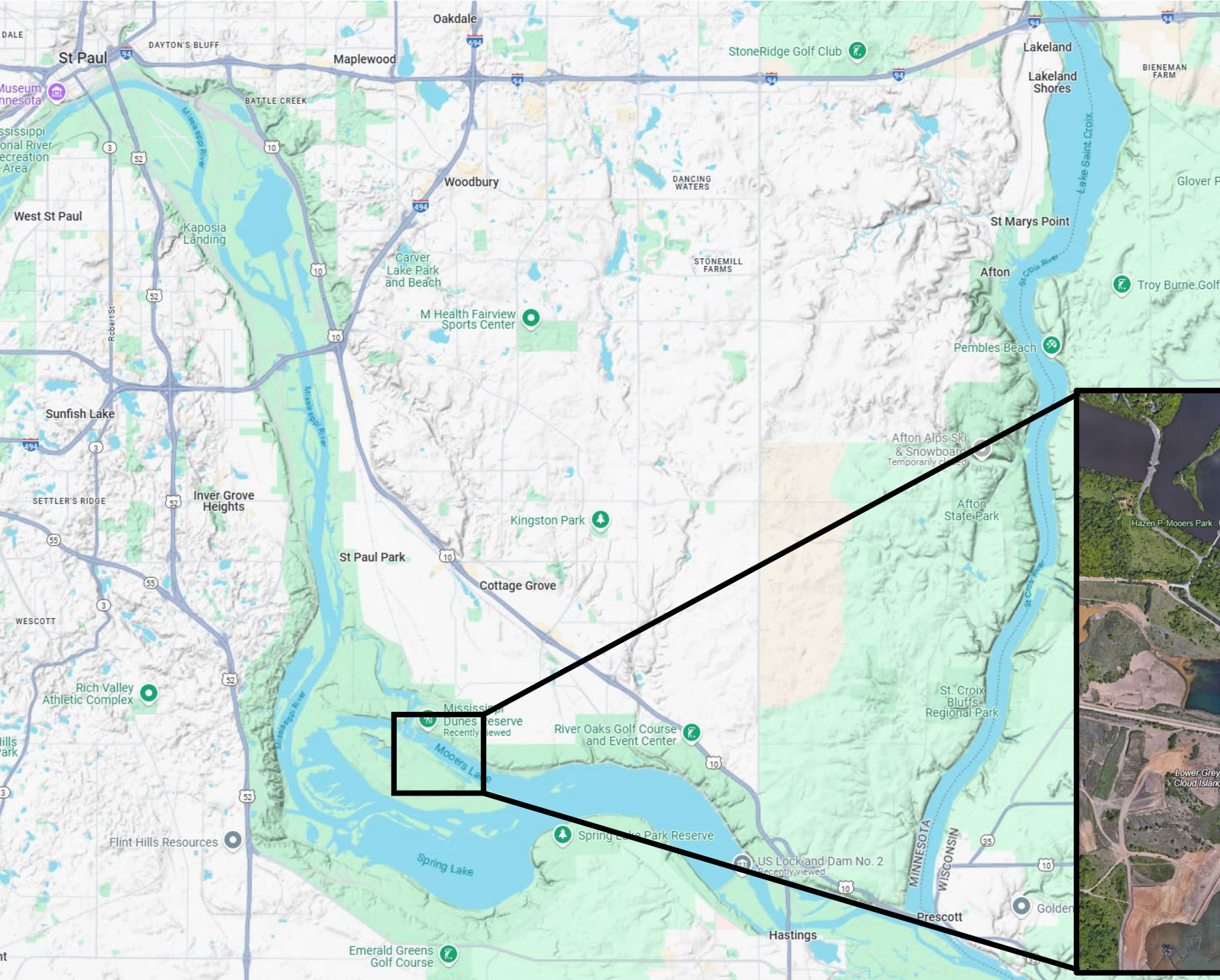
Limited Project Areas exhibit levels of PFAS contamination that are not compatible with certain types of project activities or are under active remedial investigation and other restoration initiatives. PFAS-sensitive activities include aquatic, wetland, or nearshore habitat restoration projects and recreational fishing projects. Projects involving PFAS-sensitive activities must take place only outside of the following Limited Project Areas (see Appendix B).

☐ I have attached a map showing the geographic location(s) of the proposed project

8. Not expected to be impacted by planned remediation actions.

Proposed projects that are located in areas in which remediation is planned will not be eligible for Priority 2 funding.

- *MPCA and DNR will assess potential remediation taking place within ¼ mile of the proposed project based on information in the "[What's in My Neighborhood](#)" tool that identifies sites labeled as "investigation and cleanup" within ¼ mile of the project location.*



**SOUTH WASHINGTON
WATERSHED DISTRICT**



**DEPARTMENT OF
NATURAL RESOURCES**



**US Army Corps
of Engineers®**

Grey Cloud Slough Habitat Rehabilitation



Proposed Islands



Proposed Dredging



3M PFAS Settlement Priority 2 Grant Program 2024 Letter of Intent Proposal Form

The purpose of the Letter of Intent (LOI) is to give the project proposer an opportunity to briefly explain the activities and outcomes of their proposed project. The Letter of Intent will allow DNR and MPCA to assess whether the proposed projects are eligible for Priority 2 funding, and provide feedback early in the application process. If a Letter of Intent satisfies the eligibility requirements, the proposer will be invited to submit a full grant application.

Instructions:

1. Read the [Request for Proposal](#) before completing this form.
2. Completed proposal must be limited to the completion of this form.
3. Save the completed Letter of Intent locally, and email to 3MPriority2@state.mn.us.

All submissions MUST be received by the deadline of 4:30 p.m. CST on Friday, April 4, 2025.

PROJECT INFORMATION

Project Name: Glacial Valley Park Interpretive Center

Approximate latitude/longitude (decimal degrees; please approximate the project's 'center'): 44.866080, -92.911817

Attach a map of the project location. Be sure to include all areas in which the project will conduct activities.

APPLICANT CONTACT INFORMATION

Organization: South Washington Watershed District (SWWD)

Applicant Website: <https://swwdmn.gov>

Name/Title of Primary Contact: John Loomis, Administrator

Telephone: 651-714-3714

E-mail: John.Loomis@swwdmn.gov

Name/Title of Authorized Agent (if applicable): John Loomis, Administrator

Telephone: 651-714-3714

E-mail: John.Loomis@swwdmn.gov

☒ I have the authority to apply for this grant on behalf of the organization.

Other collaborating organization(s) and their role(s):

1) City of Woodbury - Developing adjacent city park, responsible for road and utilities extension to provide access to SWWD property. 2) City of Cottage Grove - Owns and maintains adjacent city park to south of SWWD property. 3) Washington County - Developing regional trail wayfinding signage for entire corridor.

PROJECT CATEGORY

Required: Select the primary project category (select at least one primary goal as required to receive funding)

- ☐ Restoration of wildlife and habitats
- ☐ Recreational fishing related projects
- ☒ Non-fishing related outdoor recreation projects

ESTIMATED FUNDING REQUEST AMOUNT

Anticipated Grant Request: \$1,500,000

Anticipated Total Project Cost: \$2,000,000

PROJECT SUMMARY

Include a high-level description of the project, activities, goals, needs, and/or outcomes. Attach or provide hyperlinks to plans and other supplementary information, as appropriate. Please note that project details are not expected to be finalized until later in the application process, nor will the responses in this LOI form be factored into the final award decisions. However, a descriptive project summary will lead to better individualized feedback on this LOI from members of the DNR and MPCA Evaluation Team.

SWWD intends to construct an interpretive center on its 160+ acre Glacial Valley Park restored prairie property. This facility will provide a three-season learning center, restrooms, accessible pedestrian and bike trail network, dedicated parking and bus drop-off, educational kiosks, amphitheater, and a variety of open public gathering spaces for the surrounding community to use and enjoy - all set against the background of a premier prairie restoration project. School groups will be encouraged to utilize the facility regularly as an alternate classroom as an extension of SWWD's ongoing Campus Greening Program.

In the early 2000s, SWWD acquired approximately 160 acres of farmland spanning the border of the Cities of Woodbury and Cottage Grove as green infrastructure, providing infiltration and conveyance of stormwater flows generated from large flood events. The property has been converted to native prairie in phases over the years, becoming what is now a crown jewel greenway example in the region, known as Glacial Valley Park. [SWWD's Watershed Management Plan](#) (page 39) identifies the potential and need for an interpretive center at Glacial Valley Park to carry out desired functions of SWWD - education, active and passive recreation as a trailhead facility, and neighborhood gathering space. The Washington County easement held on the western 350' width of the northern portion of the site specifically allows for a permanent structure of this type.

Much of the preparatory work has been completed through public design charrettes and gathering input of facility needs from area partners such as Washington County, the Cities of Woodbury and Cottage Grove, South Washington County Schools, area nature centers, and others. An [architectural concept design](#) was completed in 2022 and SWWD has since been seeking funds to complete this important community project.

A portion of Glacial Valley Park lies within the Limited Project Area surrounding the 3M Woodbury Facility; however, the proposed interpretive center is itself just outside of the buffer area shown in the RFP. Facilities proposed at this site within the Limited Project Area would be restricted to surface trail improvements and educational kiosks only. The proximity of this interpretive center lends itself well to also serve as a touch point for PFAS-related historical and educational topics for visitors.

LETTER OF INTENT SCREENING CRITERIA

Based on the information provided in this LOI form and attachments, the DNR and MPCA will determine whether proposed projects meet each of the screening criteria. The eight pass/fail screening criteria are listed and described below. DNR will invite proposers to complete a full grant application if the LOI passes **all** screening criteria.

1. Lead applicant is an eligible organization. Check the type of organization applying:

- ☐ Local units of government (e.g., city, township, county)
- ☒ Soil & water conservation, watershed, and lake improvement districts
- ☐ Area-wide agency, including regional planning agency
- ☐ Nonprofit organizations
- ☐ Public school district and nonprofit schools
- ☐ Institutes of higher education (public and nonprofit)
- ☐ Port authorities
- ☐ Tribal governments
- ☐ Federal agencies
- ☐ State agencies (excludes direct funding to the DNR and MPCA; however, agencies may participate as collaborators)

2. Addresses losses of natural resources and services.

Describe how the project will address one or more of the settlement goals for Priority 2:

- Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats.
- Increase understanding of fish tissue contamination, improve communication about PFAS-based fish consumption advisories, and identify and enhance alternative, non-contaminated fishing areas.
- Improve and enhance outdoor recreational opportunities.

This project specifically and completely addresses Goal 3, "Improve and enhance outdoor recreational opportunities" while adding to the existing value of SWWD's ongoing prairie restoration efforts at Glacial Valley Park that align well with Goal 1, "Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats." Completion of this project accomplishes many District goals, including:

- 1) Providing and encouraging passive outdoor recreation including, but not limited to, hiking, biking, plant ID, birding and other wildlife observation;
- 2) Developing District facilities for use as interpretive and educational sites as user demand grows with area development;
- 3) Providing a central facility that doubles as a trailhead for Washington County's regional trail network; and,
- 4) Educating the public on a wide array of topics ranging from the benefits of native plants and animals, stormwater management in a suburban landscape, the value of SWWD's prairie restoration efforts, and the history of PFAS contamination in the area - and remediation/treatment efforts.

3. Is technically and administratively feasible.

Please detail how the proposed project is technically and administratively feasible. Although project details are not expected to be finalized until later in the application process, the basic elements of the project should be developed to ensure completion given the time frame and funding proposed. Evidence of a project's feasibility can include, but is not limited to, the following:

- The techniques/approaches/methods being used are well-established;
- Your organization, collaborators, or partners have relevant experience with the proposed activities;
- Cost and time estimates are based on other, similar projects that have been successfully executed or described in recent planning documents;
- The project has the ability to secure relevant landowner support for the project, as needed (required in full grant application).

SWWD has already acquired the property and completed native prairie restoration activities throughout. Plans for SWWD's Interpretive Center at this site have been in the works since 2016, with architectural concept design plans and cost estimates being completed in 2022. A paved regional trail connection was added in late 2024 as the final piece connecting a complete off-road trail system from Washington County's Lake Elmo Park Reserve to Cottage Grove Ravine Regional Park. As soon as funding can be secured, SWWD is prepared to initiate construction of the facility.

4. Would not jeopardize public health or safety.

Projects must not threaten public health or safety. For example, proposed fishing projects must include communications consistent with the current MDH FCA guidelines.

☒ I attest that the project will comply with all relevant public health and safety regulations.

☒ I attest that the project meets one of the following:

- a. Would NOT increase public access to fishing, OR
- b. Would increase public access to recreational fishing and would include communications about fish consumption related risks consistent with current [MDH FCA guidelines](#).

5. Complies with applicable laws, regulations, and rules.

Projects must be legal and adhere to applicable federal, state, local, and tribal laws, rules, and regulations, including meeting all State ADA requirements.

☒ I attest that the project will comply with all applicable federal, state, local, and tribal regulations.

6. Unlikely to be completed without Priority 2 funding.

Priority 2 funds may not be used as a substitute for traditional sources of funding or for required actions. However, Priority 2 funds can supplement the traditional sources if the proposed project would demonstrate additional resource benefits.

☒ I attest that Priority 2 funding would not be used to supplant existing funding.

7. Located within the Priority 2 Project Area. If located in a Limited Project Area, proposed project is consistent with the qualifying project activities.

The majority (>50%) of a proposed project area or a project's activities must occur within the Priority 2 Project Area (see Appendix B of RFP).

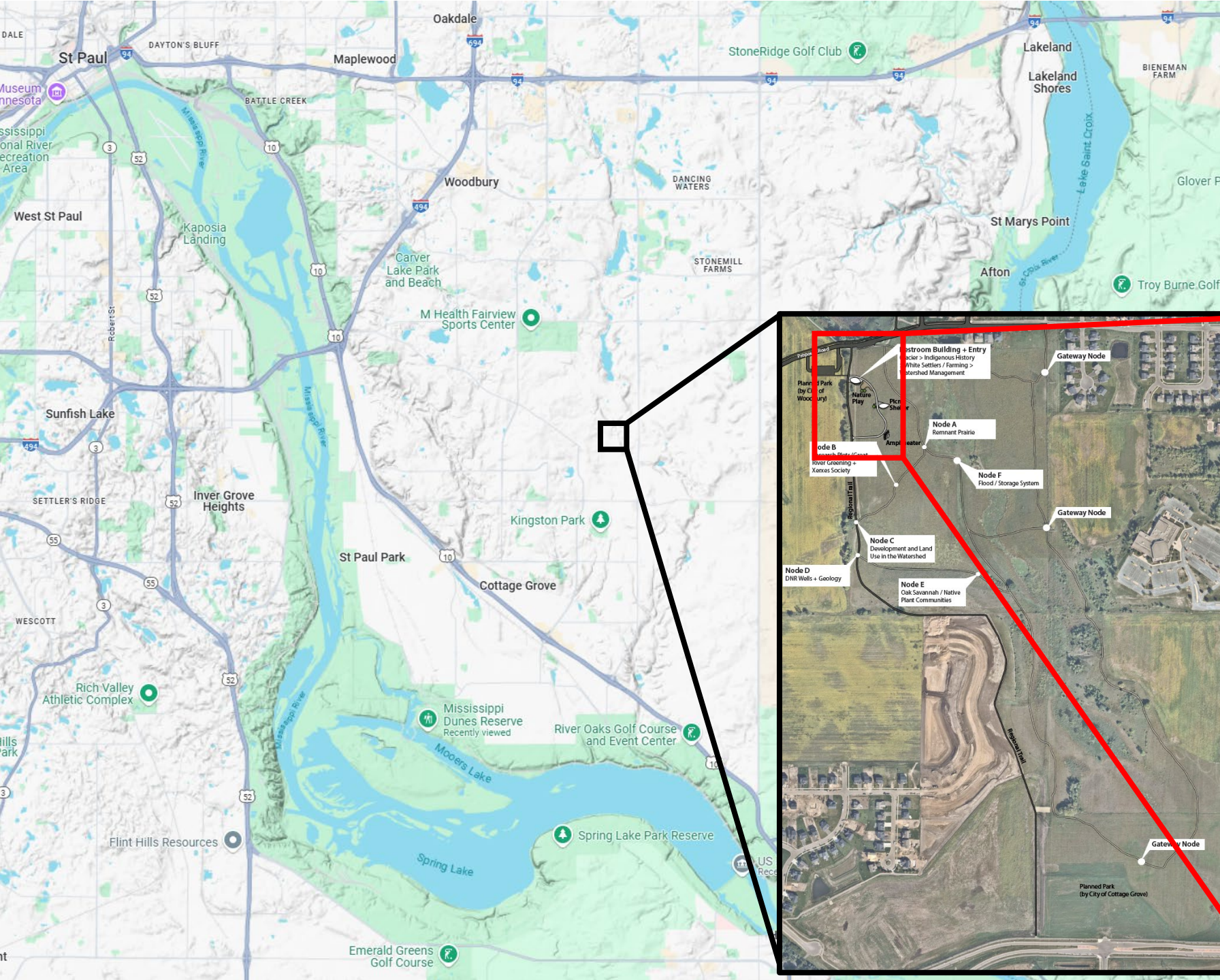
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☐ I have attached a map showing the geographic location(s) of the proposed project

8. Not expected to be impacted by planned remediation actions.

Proposed projects that are located in areas in which remediation is planned will not be eligible for Priority 2 funding.

- *MPCA and DNR will assess potential remediation taking place within ¼ mile of the proposed project based on information in the "[What's in My Neighborhood](#)" tool that identifies sites labeled as "investigation and cleanup" within ¼ mile of the project location.*



SOUTH WASHINGTON
WATERSHED DISTRICT



Glacial Valley Park Interpretive Center



3M PFAS Settlement Priority 2 Grant Program 2024 Letter of Intent Proposal Form

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Instructions:

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All submissions MUST be received by the deadline of 4:30 p.m. CST on Friday, April 4, 2025.

PROJECT INFORMATION

Project Name: County Road 74 Ravine Stabilization

Approximate latitude/longitude (decimal degrees; please approximate the project's 'center'): 44.856308, -92.988678

Attach a map of the project location. Be sure to include all areas in which the project will conduct activities.

APPLICANT CONTACT INFORMATION

Organization: South Washington Watershed District (SWWD)

Applicant Website: <https://swwdmn.gov>

Name/Title of Primary Contact: John Loomis, Administrator

Telephone: 651-714-3714

E-mail: John.Loomis@swwdmn.gov

Name/Title of Authorized Agent (if applicable): John Loomis, Administrator

Telephone: 651-714-3714

E-mail: John.Loomis@swwdmn.gov

☒ I have the authority to apply for this grant on behalf of the organization.

Other collaborating organization(s) and their role(s):

1) Washington County - Coordination of the adjacent County Road 74 reconstruction project; management of construction activities for both projects. 2) Marathon Petroleum Company (St. Paul Park Refinery) - Landowner providing drainage easement to SWWD for ravine project.

PROJECT CATEGORY

Required: Select the primary project category (select at least one primary goal as required to receive funding)

- ☒ Restoration of wildlife and habitats
- ☐ Recreational fishing related projects
- ☐ Non-fishing related outdoor recreation projects

ESTIMATED FUNDING REQUEST AMOUNT

Anticipated Grant Request: \$300,000

Anticipated Total Project Cost: \$355,000

PROJECT SUMMARY

Include a high-level description of the project, activities, goals, needs, and/or outcomes. Attach or provide hyperlinks to plans and other supplementary information, as appropriate. Please note that project details are not expected to be finalized until later in the application process, nor will the responses in this LOI form be factored into the final award decisions. However, a descriptive project summary will lead to better individualized feedback on this LOI from members of the DNR and MPCA Evaluation Team.

SWWD in partnership with Washington County and Marathon Petroleum intends to complete stabilization of a severely eroding ravine in Newport, MN. The ravine receives local overland runoff as well as through several culverts that pass under Geneva Ave and 65th Street (CR74). Excessive erosion has been observed, particularly at the culvert outfalls into the ravine. Erosive activities also include mass wasting (bank and head failure) and channel incising throughout the 0.4-mile ravine corridor. SWWD estimates that this ravine contributes 224 tons of sediment and 199 pounds of phosphorus loading to the Mississippi River annually. Completing this stabilization project is expected to reduce these loads by up to 80%. Furthermore, as a natural spring seep, this ravine has the potential to provide unique local habitat value by supporting a diverse array of aquatic, riparian, and terrestrial species, including those that are endangered or rare.

Washington County is currently planning a full [reconstruction of the adjacent CR74](#) in 2026, providing an opportunity to complete this stabilization project within the same construction window. Working directly with the county will result in a single general contractor working in the area, saving on mobilization costs and reducing overall impacts to the adjacent community. The county road project aims to eliminate as much stormwater runoff from the ravine as possible, redirecting flows from two existing outfalls to a new stormwater pond at the bottom of the hill. The remaining two outfalls carry natural overland flow from the south side of the road and will be stabilized as part of the county road project. SWWD's work is focused on stabilizing the main ravine corridor channel using bank toe regrading/stabilization and riprap check dams, chutes, and veins to create pools and stable grade changes throughout the steep ravine.

SWWD initially identified this project as the top priority in its [Newport Subwatershed Retrofit Analysis](#) (2018), but has been waiting for the county to proceed with its road project. Since then, SWWD has worked with Houston Engineering to complete a [preliminary alternatives assessment](#) (2021), [draft Marathon D&U easement](#) (2022), [additional field survey and photo log](#) (2024), and a [preliminary concept plan](#) (2025).

Project implementation funds are limited in this area of the watershed, which has been our last hurdle; we seek 3M Priority 2 funds to complete this to priority SWWD project while our construction window is open.

LETTER OF INTENT SCREENING CRITERIA

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2. Addresses losses of natural resources and services.

Describe how the project will address one or more of the settlement goals for Priority 2:

- Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats.
- Increase understanding of fish tissue contamination, improve communication about PFAS-based fish consumption advisories, and identify and enhance alternative, non-contaminated fishing areas.
- Improve and enhance outdoor recreational opportunities.

This project specifically and completely addresses Goal 1, "Restore, protect, and enhance aquatic and terrestrial resources, wildlife, and habitats" while tying in to the core mission of the SWWD. Completion of this project and reducing ravine erosion accomplishes many goals, including:

- 1) Enhancement and preservation of local vernal terrestrial and lotic aquatic habitats in an otherwise developed suburban area;
- 2) Stabilization of a steep ravine that is threatening the adjacent roadways;
- 3) Reductions in sediment and nutrient loading to the Mississippi River;
- 4) Improving the resilience of the ravine channel to handle current and future increased flow volumes and rates due to climate change; and,
- 5) Continue SWWD's initiatives to ensure investments in projects that benefit lands, resources, and residents in environmental justice areas of the watershed, particularly the old river communities along the Mississippi River (Newport included).

While this Marathon property is not currently considered open to the general public, they are in the process of completing other forestry restoration work on the property (buckthorn removal, canopy thinning, and removal of hazard dead ash trees, etc.) in hopes of one day being able to open the property as a local bluffslands reserve. The refinery owns a variety of undeveloped buffer properties around its facility, stretching from this location west to the Mississippi River. Restoration work is underway at various locations making this ravine part of a valuable, larger greenway corridor.

3. Is technically and administratively feasible.

Please detail how the proposed project is technically and administratively feasible. Although project details are not expected to be finalized until later in the application process, the basic elements of the project should be developed to ensure completion given the time frame and funding proposed. Evidence of a project's feasibility can include, but is not limited to, the following:

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- Cost and time estimates are based on other, similar projects that have been successfully executed or described in recent planning documents;
- The project has the ability to secure relevant landowner support for the project, as needed (required in full grant application).

SWWD has been working with Houston Engineering to intently analyze this ravine for stabilization work since 2021 in anticipation of the future Washington County road reconstruction. Concept plans and a cost estimate are in place and SWWD is on track to develop final construction plans in 2025. Marathon Petroleum is willing and able to provide a permanent drainage easement over the ravine corridor allowing for construction and future O&M by SWWD. The road reconstruction and ravine stabilization projects will be released together by Washington County in one bid package for 2026 construction.

4. Would not jeopardize public health or safety.

Projects must not threaten public health or safety. For example, proposed fishing projects must include communications consistent with the current MDH FCA guidelines.

☒ I attest that the project will comply with all relevant public health and safety regulations.

☒ I attest that the project meets one of the following:

- a. Would NOT increase public access to fishing, OR
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6. Unlikely to be completed without Priority 2 funding.

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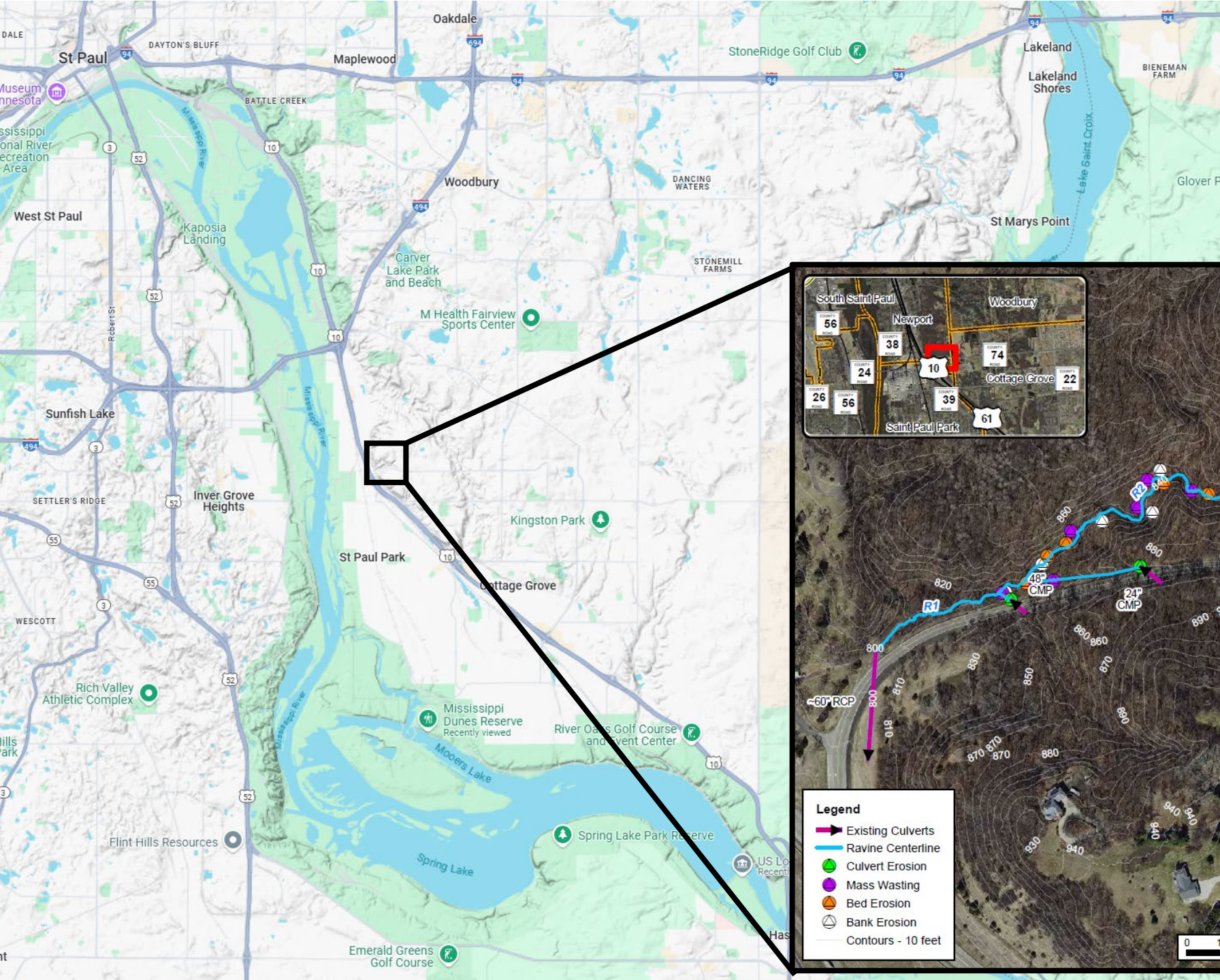
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☒ I have attached a map showing the geographic location(s) of the proposed project

8. Not expected to be impacted by planned remediation actions.

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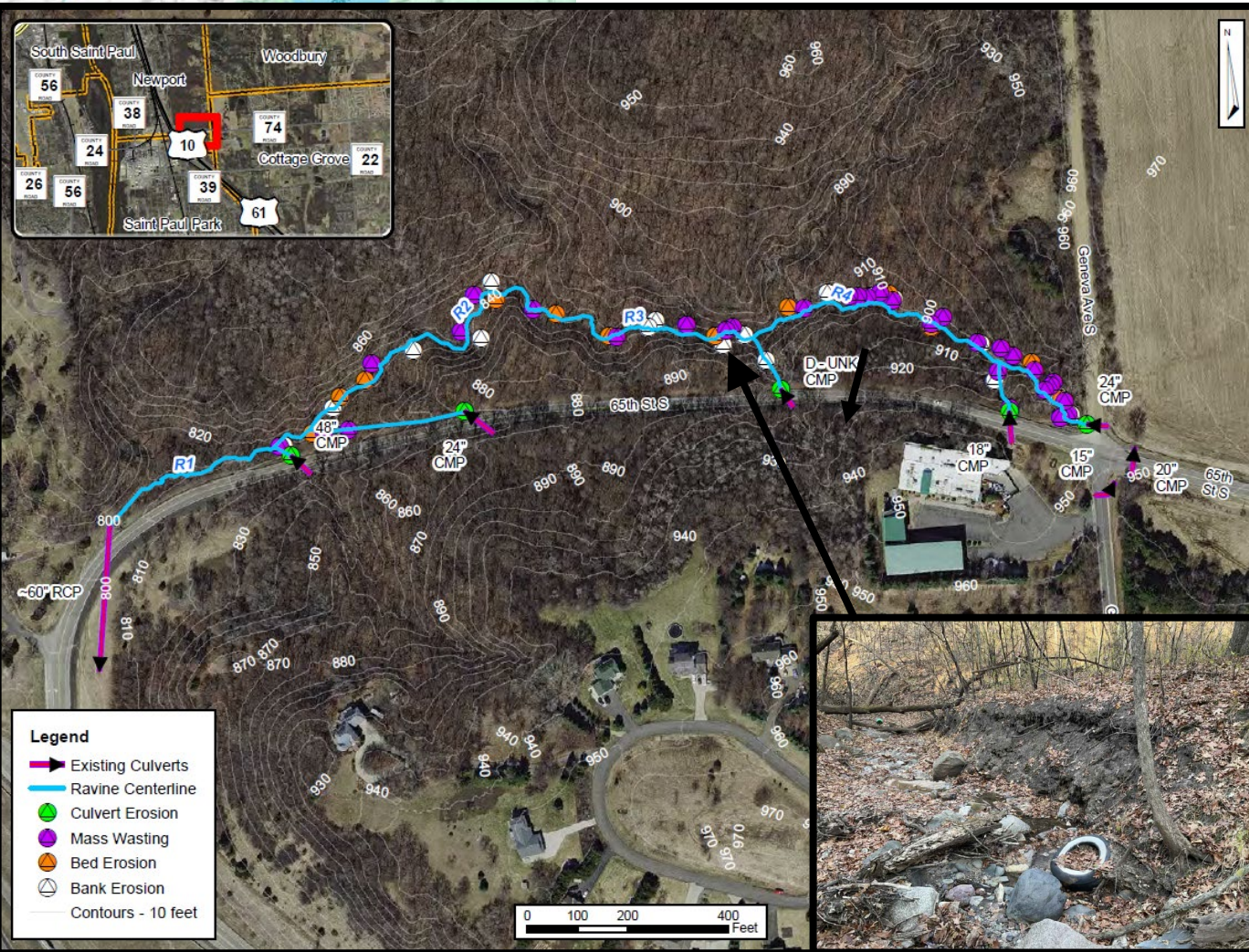
- *MPCA and DNR will assess potential remediation taking place within ¼ mile of the proposed project based on information in the "[What's in My Neighborhood](#)" tool that identifies sites labeled as "investigation and cleanup" within ¼ mile of the project location.*



SOUTH WASHINGTON
WATERSHED DISTRICT



CR74 Ravine Stabilization



- Legend**
- Existing Culverts
 - Ravine Centerline
 - Culvert Erosion
 - Mass Wasting
 - Bed Erosion
 - Bank Erosion
 - Contours - 10 feet



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 5e
Title: Vandenberg Lake	Board Action Requested: None	Required Signatures None
Reviewed by: JHL		Presented by: Loomis
Background/Justification: Discussion of Vandenberg Lake will be provided at the meeting.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 5f
Title: Agreements Authorized by Administrator	Board Action Requested: None	Required Signatures None
Reviewed by: JHL		Presented by: Loomis
Background/Justification: SWWD's accounting policies authorizes the Administrator to approve purchases up to \$5,000 on behalf of the District. Under that policy, the Administrator approved the enclosed agreements in March. <ul style="list-style-type: none">• None for March.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 6
Title: 2025 Coordinated Capital Improvement Program Grants	Board Action Requested: Authorize the Administrator to Sign CCIP Cost-Share Agreements	Required Signatures None
Reviewed by: JHL		Presented by: Axtell
Background/Justification: See attached memorandum for additional details about 2025 CCIP funding availability and applications. The CAC reviewed the applications at its March 25, 2025 meeting and passed a series of motions recommending that nine of the applications be considered by the Board for funding. Staff will review this information with the Board at its April 8 meeting. Staff recommend that the Board approve funding for the nine applications consistent with the CAC recommendation, as outlined in the attached memo, authorizing the Administrator to execute cost-share agreements for each project. Funding would assist with the implementation of a variety of water quality improvement and stormwater infrastructure resilience projects. The CAC further recommended that the Board consider allocating the remaining \$199,500 in 2025 CCIP funds to a District-wide linear stormwater BMP planning study, functionally expanding the scope of Woodbury's proposal.		
Previous Action:		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$650,000; SWW CCIP Fund \$15,500; EMW CCIP Fund \$2,807; LSC CCIP Fund		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



SOUTH WASHINGTON WATERSHED DISTRICT

Memo

To: SWWD Board of Managers
From: Kyle Axtell, BMP Project Specialist
Date: April 3, 2025
Re: Coordinated Capital Improvement Grant Awards

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 2025 Coordinated Capital Improvement Program at its January 2025 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 \$5,000 in new funding was budgeted in each of the East Mississippi and Lower St. Croix management units, although small additional fund balances are also available.

Applicants were eligible to apply for up to 50% of the total cost of planned capital improvement, resiliency or infrastructure maintenance projects. SWWD received twelve (12) applications requesting a total of \$992,708 in funding. The project proposals are as follows:

- City of Newport – Plow Truck Brine Pre-Wetting Kit:** Newport proposes equipment acquisition as it endeavors to expand brine use capability throughout its small fleet of plow trucks. Newport sources pre-made brine from Washington County. This project would outfit the last of its three plow trucks with a pre-wetting system 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 30-40%.

East Mississippi CCIP Request: **\$3,500 (total cost \$7,000)**
CAC Recommendation: **Full Funding; \$3,500**
- City of St. Paul Park – Plow Truck Brine Pre-Wetting Kits (2):** St. Paul Park proposes equipment acquisition as it endeavors to add brine use capability to its small fleet of plow trucks. St. Paul Park intends to source pre-made brine from Washington County for use beginning next winter. This project would outfit two of its plow trucks (one old and one new) with a pre-wetting system 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 30-40%.

East Mississippi CCIP Request: **\$12,000 (total cost \$24,000)**
CAC Recommendation: **Full Funding; \$12,000 ***

** Amounts may change upon consultation with city staff – will have update at Board meeting on April 8.*
- City of Cottage Grove – Jetter-Vac Truck & Enhanced Sump Cleaning:** The primary goal of this CCIP grant project is the removal of sediment and other pollutants that are captured in sump catch basins and manholes, which are part of Cottage Grove’s storm sewer system. The grant application seeks the SWWD’s support in the purchase of a new Jetter-Vac truck to remove the pollutants from sump catch basins. A jetter/vac truck has two purposes: to clean pipes and other infrastructure and to vacuum debris like a wet-vac. Cottage Grove’s goal is to implement an enhanced cleaning program where all sump structures are cleaned on an annual basis, to ensure maximum treatment efficiency.

South Washington CCIP Request: **\$330,000 (total cost \$660,000)**
CAC Recommendation: **No Funding; \$0**
- City of Cottage Grove – Salt Spreader Controls Upgrade:** The city is requesting SWWD funding to purchase updated salt spreader controls and monitoring software for its fleet of 14 plow trucks. Their current system measures road surface temperature and applies salt based on temperature, but it only provides a few set application rates and does not track salt usage or plow location (GPS). The new software will have a wider range of set application rates and will monitor driver behavior and plow location, allowing management to refine routes and drivers’ salt application behaviors. The city expects an average annual reduction in salt use of 200 tons due to this systematic upgrade.

South Washington CCIP Request: **\$205,000 (total cost \$102,500)**
CAC Recommendation: **Full Funding; \$102,500**

- City of Cottage Grove – Treated Salt Chloride Reduction Project:** The city is requesting SWWD funding for a pilot program that would utilize an alternative road salt treatment. The treatment uses a proprietary blend of sugar-based magnesium chloride and is expected to reduce the city’s overall salt use by up to 20% (600 tons/yr). Cottage Grove prefers this approach to brine pre-wetting as they have concerns about long-term equipment maintenance costs with pre-wetting systems.

South Washington CCIP Request: \$24,000 (total cost \$48,000)
CAC Recommendation: No Funding; \$0
- City of Woodbury – Bailey Lake Lift Station Generator:** Woodbury has requested funds for an additional recommended improvement at the Bailey Lake Lift Station, one of Woodbury’s most critical community assets. The recommendations come from a resiliency study that was partially funded by the SWWD. In this case, a large portable generator would be purchased to ensure the pumps can remain operational during a prolonged power outage during or after high-volume rainfall. This would increase the resiliency of the city’s system and overall stormwater operations. It is also plausible the generator would be used at other facilities around the city as needed.

South Washington CCIP Request: \$100,000 (total cost \$200,000)
CAC Recommendation: Full Funding; \$100,000
- City of Woodbury – Brush Cutter:** Woodbury is requesting funds to purchase a skid-steer operated heavy-duty brush cutter. The purpose of this equipment will be to enhance the health and sustainability of natural areas, including around city stormwater ponds, through effective vegetation management. Key outcomes include improved ecosystem health, invasive species control, and improved stormwater management and maintenance accessibility. Clearing overgrown brush cover can also improve groundcover growth leading to reductions in local soil erosion.

South Washington CCIP Request: \$10,500 (total cost \$21,000)
CAC Recommendation: Full Funding; \$10,500
- City of Woodbury – EVGC Ponds Vegetation Management:** Woodbury hired Great River Greening to assess natural buffers at four sites across the city in 2024. This application seeks to implement maintenance recommendations for the site at Eagle Valley Golf Course, including invasive species control, re-establishment of native plant communities and maintenance through 2027.

South Washington CCIP Request: \$30,000 (total cost \$600,000)
CAC Recommendation: Full Funding; \$30,000

- City of Woodbury – Linear Stormwater Study:** Woodbury requested funds to complete a stormwater BMP feasibility study focusing on upcoming linear road projects in the city's 10-year Capital Improvement Plan. Selecting suitable locations and project types within narrow road rights-of-way is often challenging at best, to impossible at worst. Recently, Woodbury successfully completed a similar focused effort associated with the pipeline work for the new water treatment plant. The city seeks the District's assistance in expanding this level of study for all upcoming city road projects.

South Washington CCIP Request: \$100,000 (total cost \$200,000)

CAC Recommendation: Full Funding; \$100,000 **

**** An additional CAC motion was passed related to this request. See end of memo for more information.**
- City of Woodbury – Seasons Park Vegetation Management:** Woodbury hired Great River Greening to assess natural buffers at four sites across the city in 2024. This application seeks to implement maintenance recommendations for the site at Seasons Park including invasive species control, turf-to-prairie conversion, re-establishment of native plant communities and maintenance through 2027. This site is directly adjacent to and surrounding SWWD's Seasons Park CC17 Filter Project.

South Washington CCIP Request: \$107,500 (total cost \$215,000)

CAC Recommendation: Full Funding; \$107,500
- City of Woodbury – Stormwater 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 \$720,000)

CAC Recommendation: No Funding; \$0
- Afton State Park – UTV Brine Applicator:** Afton State Park proposes equipment acquisition to allow for improved winter ice management on hard surfaces (sidewalks, trails, and parking lots) within the park. This equipment will allow for on-demand brine application ahead of storms and reduced use of sand/salt mix during and after storms. The park estimated it can reduce its salt usage by up to 50% with this equipment. Afton State Park staff will be required to show its employees have taken MPCA's Smart Salting training ahead of the 2025-26 winter maintenance season as a pre-requisite.

Lower St. Croix CCIP Request: \$2,807 (total cost \$5,614).

CAC Recommendation: Full Funding; \$2,807

Recommendations:

East Mississippi Management Unit

City of Newport – Plow Truck Brine Pre-Wetting Kit	\$ 3,500
City of St. Paul Park – Plow Truck Brine Pre-Wetting Kits (2)	\$ 12,000
Subtotal:	\$ 15,500

South Washington Management Unit

City of Cottage Grove – Jetter-Vac Truck & Enhanced Sump Cleaning	\$ 0
City of Cottage Grove – Salt Spreader Controls Upgrade	\$ 102,500
City of Cottage Grove – Treated Salt Chloride Reduction Project	\$ 0
City of Woodbury – Bailey Lake Lift Station Generator	\$ 100,000
City of Woodbury – Brush Cutter	\$ 10,500
City of Woodbury – EVGC Ponds Vegetation Management	\$ 30,000
City of Woodbury – Linear Stormwater Study	\$ 100,000
City of Woodbury – Seasons Park Vegetation Management	\$ 107,500
City of Woodbury – Stormwater Maintenance	\$ 0
Subtotal:	\$ 450,500

Lower St. Croix Management Unit

Afton State Park – UTV Brine Applicator	\$ 2,807
Subtotal:	\$ 2,807

Total: \$ 468,807

Additional Recommendation from CAC

At its March 25, 2025 meeting, the CAC made one additional recommendation after discussion of Woodbury's Linear Stormwater Study. It was pointed out that this project would functionally assist Woodbury in advance planning efforts to meet SWWD stormwater management rules. A question was posed asking that if SWWD was prepared to assist Woodbury in this effort, could it possibly also assist other municipalities? Did the other municipalities know that they could ask for this type of assistance? The CAC felt that the maximum value for SWWD on this matter would only be realized if the planning effort was spread across the entire watershed district to serve all communities. **A motion was passed recommending the Board consider funding a District-wide linear stormwater BMP planning effort with the \$100,000 initially allocated to Woodbury and the remaining unspent 2025 CCIP funds (approximately \$200,000).**



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Request for Proposals

Submit To: South Washington Watershed District
2302 Tower Drive
Woodbury, MN 55125
kyle.axtell@swwdmn.gov

Deadline: March 11, 2025

PROGRAM OVERVIEW

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 South Washington Watershed District (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 CCIP seeks to:

- Facilitate exploration of water quality improvement opportunities by local government units within the District and incorporate those opportunities into routine infrastructure operation and maintenance projects;
- Promote closer collaboration between local government units and the District on water quality improvement efforts as an element of capital improvement plans;
- Foster stormwater management innovation and create demonstration and education examples;
- Reduce chloride use throughout the District while improving de-icing and anti-icing operations;
- Defray local costs in the broader, watershed-wide interest of improving water quality; and,
- Promote actions to increase the climate resiliency of the District's natural resources.

Applications are now being accepted for the 2025 project funding cycle. Approved projects must be complete before December 31, 2027. Grants may be awarded for up to 50% of the total project cost. CCIP grants are funded by District stormwater utility fees. Up to \$650,000 in CCIP funds are available for projects in the South Washington Management Unit for 2025. Limited CCIP funding is available in the Lower St. Croix and East Mississippi Management Units (see map on page 2). Contact SWWD staff for more detailed information about available funding in these areas.

ELIGIBILITY

Local government agencies, school districts, non-profit organizations, and businesses within the SWWD are eligible to apply for funding through this program.

Submitted applications must include stormwater capital improvements or infrastructure maintenance projects. New and redevelopment projects must provide stormwater treatment in excess of what is required by SWWD rules and standards to be eligible for consideration.

Applicants located within SWWD's Lower St. Croix and East Mississippi Management Units are encouraged to contact SWWD staff for further discussion and planning.

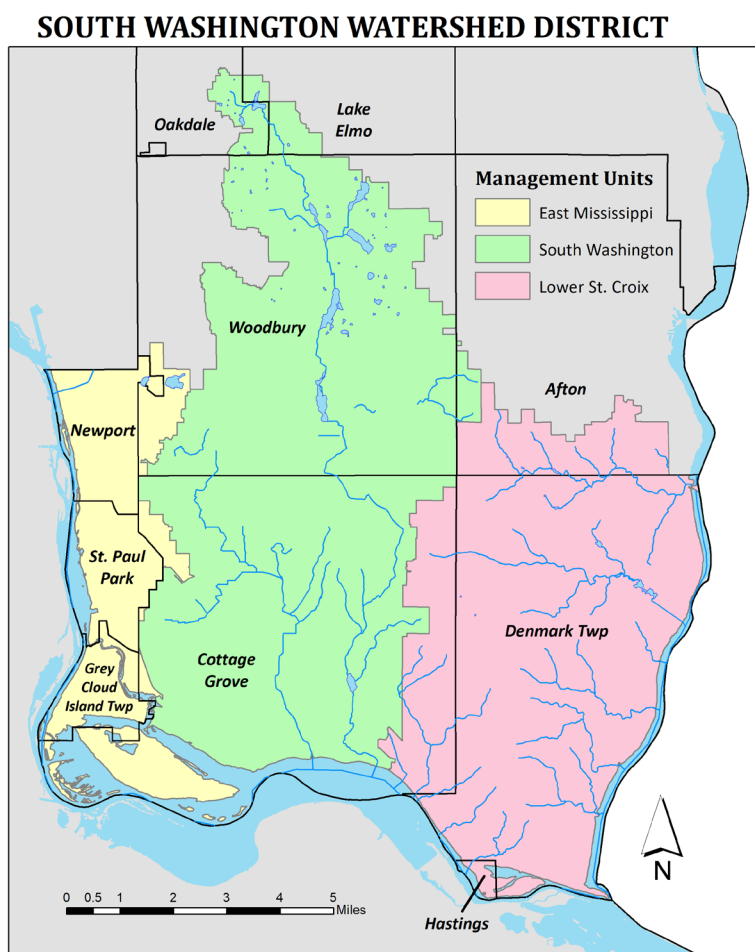
SELECTION PROCESS

Applications will be evaluated by SWWD's staff and Citizen Advisory Committee to determine overall water quality benefit and proposals will be ranked based on their estimated costs and benefits. Funding allocation decisions are expected to be made by the SWWD Board of Managers at its April Board meeting. The SWWD Board reserves the right to approve, deny, or offer partial funding to any application. Submittal of an application, regardless of funding availability, does not guarantee acceptance into the program or an offer of funds by the SWWD.

All grants will be awarded contingent on approval following SWWD development review. Project designs must meet all SWWD standards and follow guidance provided in the SWWD standards manual. Development review applications for CCIP-funded projects must include a maintenance plan for SWWD review. Successful grantees will be required to execute a grant agreement with SWWD. Grant funding will be released on a reimbursement basis following completion of the project and submission of a final report to SWWD consisting of a brief narrative, project photos, record drawings (if applicable) and an itemized invoice and supporting documentation detailing all project costs. Staff may request additional information during the grant reimbursement process as needed on a case-by-case basis.

QUESTIONS

For more information, please contact Kyle Axtell, SWWD Watershed Project Manager at 651-714-3718 or kyle.axtell@swwdmn.gov.



**EAST MISSISSIPPI
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF NEWPORT

**PLOW TRUCK BRINE
PRE-WETTING KIT**

\$3,500



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

APPLICANT INFORMATION

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

PROJECT LOCATION

Description: City of Newport
Address: 2060 1st Avenue
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: \$ 7,000
CCIP Funding Requested: \$ 3,500
Other Funding Secured: \$ _____
Other Funding Sources: City Public Works 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):

Pre-wetting Kit for new snow plow: The City is looking to purchase a pre-wetting kit for their new snow plow to spray a liquid brine solution onto the salt or deicing material just before it exits the spreader, essentially "activating" the salt by making it wetter and causing it to adhere better to the road surface, melting snow and ice faster while reducing the amount of material needed and minimizing bounce and waste. \$4,702

Plugs for 16th Street Grit Chamber: The City would like to add two (2) plugs to the Grit Chamber located at 16th Street and Cedar Lane. The plugs will allow staff to isolate the chambers for cleaning and other maintenance activities. \$1,962

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

The project reduces snow melt chemical concentrations in stormwater runoff and improvement the City's ability to remove TP/TSS from the grit chamber.

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

The pre-wetting kit can save up to 40% on chemical use.

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

The City will maintain the pre-wetting kit on an annual basis as part of the routine vehicle inspection and preform maintenance as needed.

Plugs will allow more thorough cleaning of the grit chamber.

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

The pre-wetting kits allow the public works staff to effectively and efficiently manage road conditions while using less chemicals.

The plug valves will allow public works staff to completely isolate flow and remove a greater percentage of accumulated material within the grit chamber.

F. Describe the anticipated project implementation schedule:

The pre-wetting kit will be installed this summer and will be available for use in fall 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

3/6/25
Date

**EAST MISSISSIPPI
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF ST. PAUL PARK

**PLOW TRUCK BRINE
PRE-WETTING KITS (2)**

\$12,000



SOUTH WASHINGTON
WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP)
2025 Application Form

APPLICANT INFORMATION

LGU: City of St Paul Park
Name: Anthony Brinkman Title: Interim PW Supervisor
Address: 600 Portland Ave
City: St. Paul Park State: MN Zip: 55071
Phone: (651) 459-3730 Email: abrinkman@stpaulpark.org

PROJECT LOCATION

Description: Pre-wet set up on new tandem dump truck and set up for a currently owned dump truck.
Address: 600 Portland Ave
City: St. Paul Park State: MN Zip: 55071
SWWD Watershed Management Unit: ☒ East Mississippi ☐ South Washington ☐ Lower St. Croix
Primary Waterbody Affected: Mississippi River

PROJECT BUDGET

Total Project Cost: \$ 300,000
CCIP Funding Requested: \$ 12,000 (\$6,000 per kit)
Other Funding Secured: \$ _____
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):

With this grant we would be able to equip a new plow truck and/or a currently owned truck, with pre-wetting capabilities to pre-treat salt to help treat all roadways when there is a snow event. It would help limit the amount of salt to be spread on the roads and activate the salt quicker to help it perform its melting capabilities.

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

When we are able to use less salt, we can minimize the harmful effects it has on our ponds and the Mississippi river. When salt is pre-wetted, it helps to keep it sticking to the roadway and can limit the bouncing effect it can have into curb and gutter and greenspace areas.

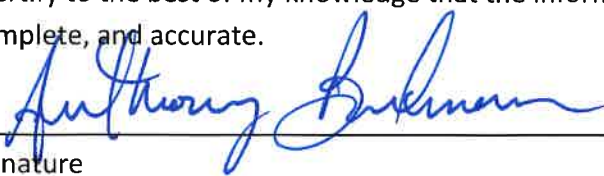
- C. Provide a quantitative estimate and description of the anticipated pollutant load reductions or other water resource benefits associated with the project:

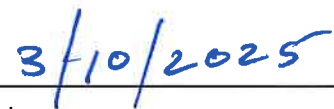
With having this pre-wetting set up on the trucks, it will allow us to minimize salt usage and help prevent excess runoff into our ponds and the Mississippi river. Ultimately it will allow us to put less salt down when treating roadways.

- D. Explain how long-term operation and maintenance of the project will be accomplished:
Over time, this will help our overall salt quantities that have to be purchased each year, resulting in savings to taxpayers. As we can equip more trucks in the future with these prewetting capabilities, it help perfect our winter maintenance program.
- E. How does the proposed work increase the resiliency of affected resources and/or systems?
When we are able to use less salt and achieve better results on winter roadway maintenance, that's a win for our staff and all the taxpayers of St. Paul Park.
- F. Describe the anticipated project implementation schedule:
Spring 2025 - Order new truck
Spring 2026 - Expect delivery of truck
Winter 2026/2027 - Ability to use Pre-wetting capabilities on one or two of our dump trucks for SPP roadways.

APPLICANT SIGNATURE

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


Signature


Date

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF COTTAGE GROVE

**JETTER-VAC TRUCK &
ENHANCED SUMP CLEANING**

\$330,000



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

APPLICANT INFORMATION

LGU: City of Cottage Grove

Name: Ryan Burfeind Title: Public Works Director

Address: 8635 West Point Douglas Road South

City: Cottage Grove State: MN Zip: 55016

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

PROJECT LOCATION

Description: Jetter/Vac Truck Purchase and Enhanced Sump Cleaning Program

Address: 8635 West Point Douglas Road South

City: Cottage Grove State: MN Zip: 55116

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

Primary Waterbody Affected: City-wide Water Bodies

PROJECT BUDGET

Total Project Cost: \$ 660,000

CCIP Funding Requested: \$ 330,000

Other Funding Secured: \$ 330,000

Other Funding Sources: Sanitary Sewer 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):

See Attachment

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

See Attachment

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

See Attachment

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

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

F. Describe the anticipated project implementation schedule:
See Attachment

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: 2025.03.07 15:21:55 -06'00'

Signature

Date

South Washington Watershed District 2025 CCIP Application City of Cottage Grove Jetter/Vac Truck Purchase & Enhanced Sump Cleaning Program

Application Section A

The primary goal of this CCIP grant project is the removal of sediment and other pollutants that are captured in sump catch basins and manholes, which are part of Cottage Grove's storm sewer system. The grant application seeks the SWWD's support in the purchase of a new Jetter-Vac truck to remove the pollutants from sump catch basins. A jetter/vac truck has two purposes: to clean pipes and other infrastructure and to vacuum debris like a wet-vac. While Cottage Grove has an existing vac truck in the Sanitary Sewer Division, this new vac will be shared with the Stormwater Division. This jetter/vac truck is being designed to remove material more effectively from sumps, as we looked to implement an enhanced cleaning program with the goal of cleaning all sump structures on an annual basis. This will be above and beyond sump cleaning standards. The City of Cottage Grove maintains 250 sump structures, which are generally located in the last storm sewer catch basin or manhole prior to entering a stormwater pond. This number increases each year, with new development and as sump structures are added during street reconstruction projects. These structures are a minimum of 3 feet deep, however they can be deeper based on the diameter of the storm sewer structure.

Sumps catch basins are part of a treatment train that includes ponds and infiltration basins. Sumps are pretreatment best management practices with small drainage areas. Like all BMPs they require periodic maintenance. The MPCA Stormwater Manual recommends that sumps be cleaned out when the level of material reaches half the sump depth. The pollutant removal efficiency of sumps is enhanced when they are regularly vacuumed out. Cottage Grove's goal is to implement an enhanced cleaning program where all sump structures are cleaned on an annual basis, to ensure maximum treatment efficiency.

The SWWD and the City of Cottage Grove currently partner in a program of enhanced street sweeping. The enhanced sump cleaning program is similar in a sense that it removes the same pollutants as a street sweeper. For this program, Cottage Grove is only seeking cost share on the capital cost of a new jetter/vac truck. All ongoing labor, equipment, and disposal costs related to sump cleaning will be borne by the City. The city and watershed have a long-standing partnership. In the future, Cottage Grove would be committed to using the jetter/vac truck to complete any applicable maintenance on watershed owned BMPs in Cottage Grove.

Application Section B

The water resources problem addressed by this project is the removal of solids and phosphorus before they reach a pond or natural water body. These two types of pollution cause major issues in water bodies. The solids captured in sumps are sand, clay, silt, and other grit that gets washed off the street and into catch basins. If this doesn't get caught in catch basin sumps it is

washed into ponds, lakes, and rivers. Particulate phosphorous – which comes from grass clippings, leaves, and pet waste, among other places – is attached to sediment and causes algae blooms and eutrophication. Sediment in lakes and rivers causes issues for aquatic environments. Too much sediment in the water column makes it hard for fish to see their food. Sediment can also prove harmful to aquatic plants by blocking sunlight.

Application Section C

If all sump structures are cleaned annually, Cottage Grove estimates that 148 cubic yards of solids will be removed on an annual basis, which will increase as sump structures are added to our system. The material consists of sand, clay, silt, organic and inorganic materials that are washed into catch basins. As mentioned above, phosphorus is attached to the material in the sumps. According to the MPCA sweeping calculator, when the city removes this volume of solids from sumps, it equates to 155 pounds of phosphorus removed every year. This calculation is based on wet weight of non-fall sweepings, which is the most applicable material to what is removed from sump structures.

The Table below lists an estimate of annual cost of the jetter/vac truck included in the grant request. The annual cost method was used to determine an equivalent uniform annual cost of \$27,654 (15-year life, 3% interest). Unit annual phosphorus removal costs for 155 pounds removed each year are estimated as \$178 per pound of phosphorus removed.

Equivalent Uniform Annual Cost						
Item	Life (years)	i	Discount Factor (A/P)	Grant Request Cost	Equivalent Uniform Annual Grant Cost	Unit Annual Phosphorus Removal Costs for 155 Lbs. Removed
Jetter/Vac Truck Cost	15	3%	0.0838	\$330,000	\$27,654	\$178

Application Section D

All maintenance on the jetter/vac truck will be paid for by the city, through the Stormwater and Sanitary Sewer Utility Funds.

Application Section E

Vacuuming solids from sumps is part of maintaining our stormwater infrastructure. Having well-maintained MS4 infrastructure keeps the city resilient. In extreme events, ponds provide storage for flood water. If not removed from sumps, sediment can clog pipes and take up valuable storage and treatment volume in ponds.

Application Section F

Cottage Grove is working on purchase of the new jetter/vac truck in 2025.

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF COTTAGE GROVE

**SALT SPREADER
CONTROLS UPGRADE**

\$102,500



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

APPLICANT INFORMATION

LGU: City of Cottage Grove

Name: Ryan Burfeind Title: Public Works Director

Address: 8635 West Point Douglas Road S

City: Cottage Grove State: MN Zip: 55016

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

PROJECT LOCATION

Description: Salt Spreader Controls Upgrade Project

Address: 8635 West Point Douglas Road S

City: Cottage Grove State: MN Zip: 55016

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

Primary Waterbody Affected: City-wide Water Bodies

PROJECT BUDGET

Total Project Cost: \$ 205,000

CCIP Funding Requested: \$ 102,500

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):

See Attachment

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

See Attachment

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

See Attachment

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

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

F. Describe the anticipated project implementation schedule:
See Attachment

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: 2025.03.07 15:04:38 -06'00'

Signature

Date

South Washington Watershed District 2025 CCIP Application City of Cottage Grove Salt Spreader Controls Upgrade Project

Application section A

As discussed in the CCIP application for the treated salt chloride reduction project, Cottage Grove has been working over the past five years to reduce salt usage during snowplow operations. The city is requesting funding support from the SWWD to purchase updated salt-spreader control and salt monitoring software for city plow trucks. Currently, city plow trucks employ a salt spreading system that reads road temperatures and applies salt at a given rate based on that temperature. For example, between 22 and 34 degrees, salt is applied to the roadway at 350 pounds per lane mile on priority (high traffic) roads. This defined salt application rate takes plow driver behavior out of the equation regarding the amount of salt that is used while plowing. While this is a good system and still functional, it is outdated. It only allows for five different salt applications rates, as temperatures range from above 35 degrees to below 0 degrees. Also, the existing system has no real-time monitoring of salt usage and plow location. Rather than slowly upgrade to a new system as trucks are replaced on a 15-year cycle, Cottage Grove is seeking grant funding to complete all upgrades at one time.

This project entails installing upgraded salt spreader controls, which will allow for ten different salt application rates, on all 14 city snowplow trucks. Having more precise application rates for smaller temperature ranges means less salt is used. The new controls and programming are produced by Force America, the specific system is the 6100 series.

Application Section B

The water resource issue addressed by this project is the affect that chlorides have on local water bodies. When chloride from winter salt usage enter wetlands, lakes, and rivers, it affects fish and the entire aquatic ecosystem. High salt concentrations in lakes and ponds can affect the mixing of the water column. This prevents oxygen and nutrients from being dispersed as usual.

Application Section C

In an average winter, the city currently uses 3,000 tons of road salt. As discussed in the city's other chloride reduction CCIP application, this average will be reduced to 2,400 tons by implementing the use of a treated salt. The project proposed in this application will further reduce road salt usage. By increasing the number of programmed salt application rates from five to ten, the application rate will increase in smaller increments. It is estimated that this will reduce salt usage by an additional 200 pounds per lane mile. This would reduce the city's annual salt usage in an average winter to 2,200 tons. A secondary benefit of the new system will be better tracking of salt usage in Cottage Grove. Staff will be able to see real time salt usage

for each plow truck and obtain more comprehensive usage information after each storm. As Cottage Grove looks to continue to reduce salt usage, this type of tracking and reporting information will be critical to determine the effectiveness of future chloride reduction projects.

Application Section D

Once installed, the salt spreading controls will require regular maintenance. These maintenance costs will be fully funded by the city's snowplowing budget.

Application Section E

The primary focus of this project is to reduce the amount of chloride runoff into local water bodies. This project increases resiliency by reducing the amount of salt needed to ensure streets are safe, while maintaining the level of service to our residents. Also, the tracking and reporting features with this new equipment will position Cottage Grove well to implement and monitor future chloride reduction projects.

Application Section F

If approved by the SWWD, this project would be implemented during the 2026 budget year. The city's portion of the project costs will be addressed during the 2026 budget planning process.

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF COTTAGE GROVE

**TREATED SALT CHLORIDE
REDUCTION PROJECT**

\$24,000



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

APPLICANT INFORMATION

LGU: City of Cottage Grove

Name: Ryan Burfeind Title: Public Works Director

Address: 8635 West Point Douglas Road S

City: Cottage Grove State: MN Zip: 55016

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

PROJECT LOCATION

Description: Treated Salt Chloride Reduction Project

Address: 8635 West Point Douglas Road S

City: Cottage Grove State: MN Zip: 55016

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

Primary Waterbody Affected: City-wide water bodies

PROJECT BUDGET

Total Project Cost: \$ 48,000

CCIP Funding Requested: \$ 24,000

Other Funding Secured: \$ 24,000

Other Funding Sources: City General Levy/Snowplowing 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):

See Attachment

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

See Attachment

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

See Attachment

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

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

F. Describe the anticipated project implementation schedule:
See Attachment

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: 2025.03.07 15:08:28 -06'00'

Signature

Date

South Washington Watershed District 2025 CCIP Application City of Cottage Grove Treated Salt Chloride Reduction Project

Application section A

In the City of Cottage Grove, Public Works staff have put an emphasis on the reduction of salt usage for snowplow operations over the past 5 years. By making small changes to our salting procedures, we have not increased our average salt usage, even though the City's plow pass miles have increased from 497 to 535 miles, over this time period. The primary goal of the project in this grant application is the further reduction of road salt usage during the winter. In order to achieve this, the City of Cottage Grove is proposing to apply a sugar-based magnesium chloride treatment to its salt supply, at an annual cost of \$48,000. This treatment will allow the city to cut back in the amount of salt applied to the roadway by 20%, as it is more effective than standard sodium chloride. One important item to discuss is how salt is applied to the roadway. Similar to other road agencies, the equipment in the city plow trucks reads the road temperature and applies salt at a set pounds per mile. This is called a salt prescription. As an example, at a road temperature of 22 degrees, salt is applied at 350 pounds per lane mile on main roads. These prescriptions are programmed into the spreading equipment and remove the possibility of behavior changing the amount of salt that is applied.

Over the past 3 years, the Public Works Department has evaluated two options to further reduce winter salt usage. Each option can reduce usage by 20%. The first option is pre-wetting equipment, where a liquid brine is sprayed on the salt right before it is applied on the roadway. While pre-wetting is a proven method to reduce salt usage, staff had concerns with the ongoing maintenance costs of the required additional brine mixing equipment. This option also requires additional plow truck maintenance.

The second option that staff evaluated is the use of magnesium chloride treated salt at all times. Typically salt treated with magnesium chloride is only used in extremely cold temperatures. The product that is proposed in this application is a sugar-based magnesium chloride treatment that is applied to the entire salt supply. In this option, the treatment is sprayed on the sodium chloride in the city's storage shed, so no specialized equipment is required.

Application Section B

The water resource issue addressed by this project is the affect that chlorides have on local water bodies. When chloride from winter salt usage enter wetlands, lakes, and rivers, it affects fish and the entire aquatic ecosystem. High salt concentrations in lakes and ponds can affect the mixing of the water column. This prevents oxygen and nutrients from being dispersed as usual.

Application Section C

This project will result in a 20% reduction in salt usage in Cottage Grove during snowplow operations. In an average winter, 3,000 tons of salt is used on Cottage Grove roadways. By implementing this project, that amount would reduce to 2,400 tons in an average winter. While chlorides are a necessary and standard practice during snow removal to ensure the safety of the traveling public, it has a major impact on local water bodies. Source reduction is the only effective management tool for chloride at this time.

Earlier in the application, an example was given regarding the amount of salt that is applied to the roadway at a given temperature. Using standard sodium chloride, salt is applied at 350 pounds per lane mile at 23 degrees. Using treated salt, it would be applied at 280 pounds per line mile. This same 20% reduction in the salt application rate would be applied across all prescriptions. This will provide a guaranteed reduction of 20% salt usage over the course of a winter.

Application section D

While pre-wetting is a proven method to reduce salt usage and speed up activation, staff had concerns with the ongoing maintenance costs of this additional equipment both on the truck and at the brine station. The treated salt approach is simple, with the treatment being applied by a vendor in the city's salt storage shed throughout the course of the winter. As such, there are no O&M costs associated with this project.

Application Section E

The primary focus of this project is to reduce the amount of chloride runoff into local water bodies. This project increases resiliency by reducing the amount of salt needed to ensure streets are safe, while maintaining the level of service that residents expect.

Application Section F

If approved, this project would be implemented at the start of the 2025-2026 winter season.

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF WOODBURY

**BAILEY LAKE LIFT
STATION GENERATOR**

\$100,000



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

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 - Portable Generator

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: \$ 200,000

CCIP Funding Requested: \$ 100,000

Other Funding Secured: \$ 100,000

Other Funding Sources: Central District Trunk 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):

As a result of the evaluations and planning efforts done in recent years related to the Bailey Lake Lift Station, thorough evaluation of stormwater lift station needs across the City have been completed. This has been identified and re-affirmed that its a huge risk we have to the system, if power were out at critical locations the generators that the city does have will be prioritized for sanitary and drinking water infrastructure. Purchase of a portable generator at Bailey Lake Lift Station will improve resilience and create a resource to support the entire central district in times when power is otherwise unavailable.

- 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. If/when there is a power outage following high-volume of rainfall, the system will be taxed to respond. Purchase of a portable generator for the site will decrease interruption of service and allow the stormwater system to rebound more quickly, increasing resilience.

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

N/A


D. Explain how long-term operation and maintenance of the project will be accomplished:
City fleet maintains generators and will take responsibility of testing and upkeep of the equipment.

E. How does the proposed work increase the resiliency of affected resources and/or systems?
As mentioned above, this is effort directly results in a more resilient system, being able to power the Bailey Lake Lift Station, and other stormwater lift stations, as needed, in times when electric power is unstable or unavailable.

F. Describe the anticipated project implementation schedule:
If awarded grant funds, Council will authorize city funds and purchase will occur this year.

APPLICANT SIGNATURE

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



Signature

03/05/25

Date

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF WOODBURY

BRUSH CUTTER

\$10,500



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

APPLICANT INFORMATION

LGU: City of Woodbury

Name: Benjamin Guell Title: Environmental Resources Technician

Address: 8301 Valley Creek Road

City: Woodbury State: MN Zip: 55125

Phone: (651) 414-3497 Email: benjamin.guell@woodburymn.gov

PROJECT LOCATION

Description: Equipment Purchase - Brush Cutter

Address: 2301 Tower Drive

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: \$ 21,000

CCIP Funding Requested: \$ 10,500

Other Funding Secured: \$ 10,500

Other Funding Sources: City Fleet Services

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 primary goal of this project is to enhance the health and sustainability of natural areas through effective vegetation management. Overgrown brush and invasive species degrade water quality, reduce habitat diversity, and complicate maintenance. Purchasing a brush cutter will allow the City to efficiently manage these areas, promoting native vegetation and supporting wildlife.

Key outcomes include improved ecosystem health, stormwater management, and maintenance accessibility. Implementing Best Management Practices (BMPs), like selective mowing and rotational cutting, will support long-term ecological health and effective land stewardship.

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

Mowing brush and removing trees in natural areas and around stormwater ponds enhance water quality, stormwater flow, and erosion control. Overgrown vegetation can obstruct drainage, trap sediment, and increase nutrient buildup, leading to algae growth and degraded water quality. Clearing excess vegetation also improves wet pond turnover, boosting pollutant treatment and reducing internal nutrient loading. Additionally, maintaining these areas supports native vegetation, which more effectively filters pollutants, stabilizes soil, and sustains a healthy ecosystem. Proper vegetation management ensures stormwater ponds function efficiently, promoting long-term water resource health and resilience.

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

Regular mowing is expected to reduce sediment and nutrient loads in stormwater ponds by improving vegetation management. By regularly mowing brush and removing invasive species, the City anticipates a reduction in organic debris and nutrient buildup, particularly phosphorus and nitrogen, which contribute to algae growth and poor water quality.

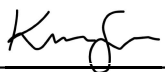
D. Explain how long-term operation and maintenance of the project will be accomplished:
The City Fleet Division is highly capable of maintaining equipment of this caliber. Additionally, Public Works staff have experience operating the equipment in natural and stormwater areas.

E. How does the proposed work increase the resiliency of affected resources and/or systems?
This project enhances water resource and landscape resilience by improving stormwater management, reducing erosion, and supporting native vegetation. Regular mowing and brush removal prevent drainage blockages, reducing flood risk and maintaining pond function. Minimizing sediment and nutrient buildup improves water quality and prevents long-term degradation. Encouraging native plant growth strengthens ecosystems, while removing invasives preserves biodiversity and habitat stability.

F. Describe the anticipated project implementation schedule:
If awarded grant funds, the City will purchase the equipment in 2026, contingent on the City Council's adoption of the 2026 budget.

APPLICANT SIGNATURE

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



Signature

03/05/25

Date

PRECISION POWER FOR MAXIMUM UPTIME



SK BRUSH CUTTER PRO X

Whether you're facing overgrowth, or need to make land more valuable, the skid steer Brush Cutter Pro X.

This versatile machine excels at thoroughly processing small material, such as thick grass and brush and can effectively cut material up to 10" occasionally.



SPECIFICATIONS



CUTS UP TO 10" DIAMETER BRUSH & TREES



AVAILABLE CUT WIDTH 60" | 72" | 84"



FLOW RANGE (GPM) 16 - 46 | 17 - 41 | 32 - 40



1,500 LBS | 1,750 LBS | 2,030 LBS



HARDENED STEEL BLADES

- Effectively slice through grass, brush, branches and small trees up to 10" in diameter
- 3 hardened steel blades 5/8" thick
- Built to swing, allowing them to pivot when in contact with rocks
- Easily replaceable when damaged

IDEAL APPLICATIONS



TALL THICK GRASS



SMALL TREES



BRUSH CLEARING



FENCE LINES



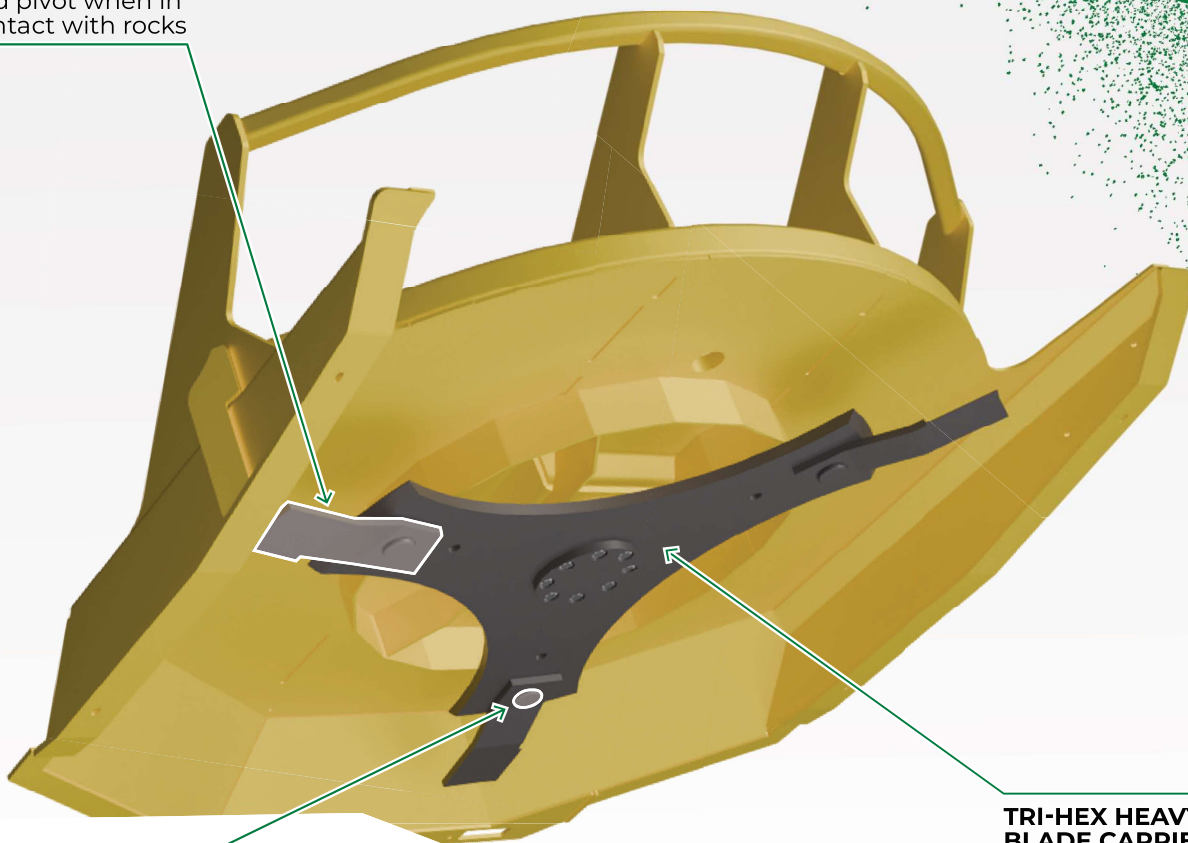
TRI-HEX CUTTING DISC

- Built to withstand the toughest conditions
- Continuously shreds material up to 4" in diameter and comes equipped with a 1" thick solid steel disc that provides greater inertia in tougher conditions
- Easily replaceable hardened hex blade bolt inserts provide the toughest blade retention in the industry

SK BRUSH CUTTER PRO X



3 HARDENED STEEL BLADES built to swing and pivot when in contact with rocks



HEX BLADE BOLTS with easily replaceable hardened inserts for the toughest blade retention in the industry

TRI-HEX HEAVY DUTY BLADE CARRIER provides greater inertia in tough conditions
*5 YEAR WARRANTY ON TRI-HEX DISC



*MINIMUM ½" THICK POLYCARBONATE OPERATOR PROTECTION REQUIRED. SOME APPLICATIONS MAY REQUIRE ADDITIONAL PROTECTION.

MOTOR OPTIONS

4 OPTIONS AVAILABLE FOR OPTIMAL FLOW COMPATIBILITY

» Cover a wide flow range, ensuring that cutting performance of the Brush Cutter Pro x matched perfectly to your skid steer or CTL.¹

HIGH FLOW RATE



29 - 34 GPM



35 - 41 GPM

LOW FLOW RATE



17 - 20 GPM



21 - 28 GPM

¹ The hydraulic motor flow ranges are for our 72" Brush Cutter Pro X and will vary based on the model

LEARN MORE



SELL-BRUSH-CUTTER-PRO-X
R3-V3-09/10/24

CONTACT US



email hello@diamondmowers.com



web diamondmowers.com



main office 605.977.3300

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF WOODBURY

**EAGLE VALLEY GOLF CLUB
PONDS VEGETATION
MANAGEMENT**

\$30,000



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

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: EVGC Pond Buffer Vegetation Management

Address: 2600 Double Eagle Ln

City: Woodbury State: MN Zip: 55125

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

Primary Waterbody Affected: Colby Lake

PROJECT BUDGET

Total Project Cost: \$ 60,000

CCIP Funding Requested: \$ 30,000

Other Funding Secured: \$ 30,000

Other Funding Sources: City 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):

Along with three other areas in the City, in 2024 staff hired Great River Greening to assess the buffers of two ponds for vegetation at Eagle Valley Golf Course. One of the ponds is the irrigation reuse pond and was lined winter 2023-2024, with support of SWWD's CCIP. The two ponds are located central to the golf course and driving range and are visible to many members of the public. In working with golf course staff, the plan can decrease mowing and erosion, improve native plants and supplement planting of areas with trees and shrubs, as deemed appropriate.

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

Currently, the vegetation is a mixture of weeds and remnant native plants and mowed grass. Some of the turf grass mowing has increased in order to manage the spread of weeds and improve visual appearance. The existing condition does not support healthy soils or insects, which has a negative impact on surface water quality. Further, removing turf grass adjacent to the waterways will allow installation of deep-rooted plants that decrease impacts of runoff into the surface water resources.

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

N/A

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

The planning process for this project included various viewpoints and maintenance considerations. This project will fall within the City's Vegetation Maintenance contract moving forward.

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

While its a fairly small footprint of the municipal golf course, this project poses an opportunity to engage and educate a subsection of our population by providing beautification of the area in the form of native plants, bushes and trees. This insertion of native vegetation will support water quality, soil health and pollinators in the area.

F. Describe the anticipated project implementation schedule:

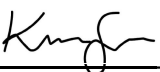
Summer 2025- Project bidding

Fall/Winter 2025- begin removing invasive species and spray turf grass

Winter 2025-Winter 2027- vegetation management activities.

APPLICANT SIGNATURE

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



Signature

03/05/25

Date



NATURAL RESOURCE MANAGEMENT PLAN

CITY OF WOODBURY

Seasons Park, North View Channel,
Golf Course Ponds, and SC285

Great River Greening

2025

Eagle Valley Golf Course Ponds Pages

5. GOLF COURSE PONDS

5.a. Background and Site History

Eagle Valley Golf Course consists of 225 acres of rolling terrain with dispersed natural resource installations including stormwater ponds and occasional planted shrubs and trees distributed throughout the open canopy turf. The golf course opened in 1998 and around this time, a significant amount of suburban sprawl occurred directly surrounding the golf course.¹⁸

The project site of interest, which we will refer to as Golf Course Ponds, is located south and east of the Eagle Valley Golf Course club house and parking lot (Fig. 23). The municipal golf course operates a stormwater reuse irrigation system with an irrigation well. Winter 2023-2024, the irrigation pond (south) is set to be lined with a synthetic liner to prevent leaking. Upon completion of this project, the city is interested in restoring the buffers of both ponds with native, flowering vegetation.

5.a.i. General location

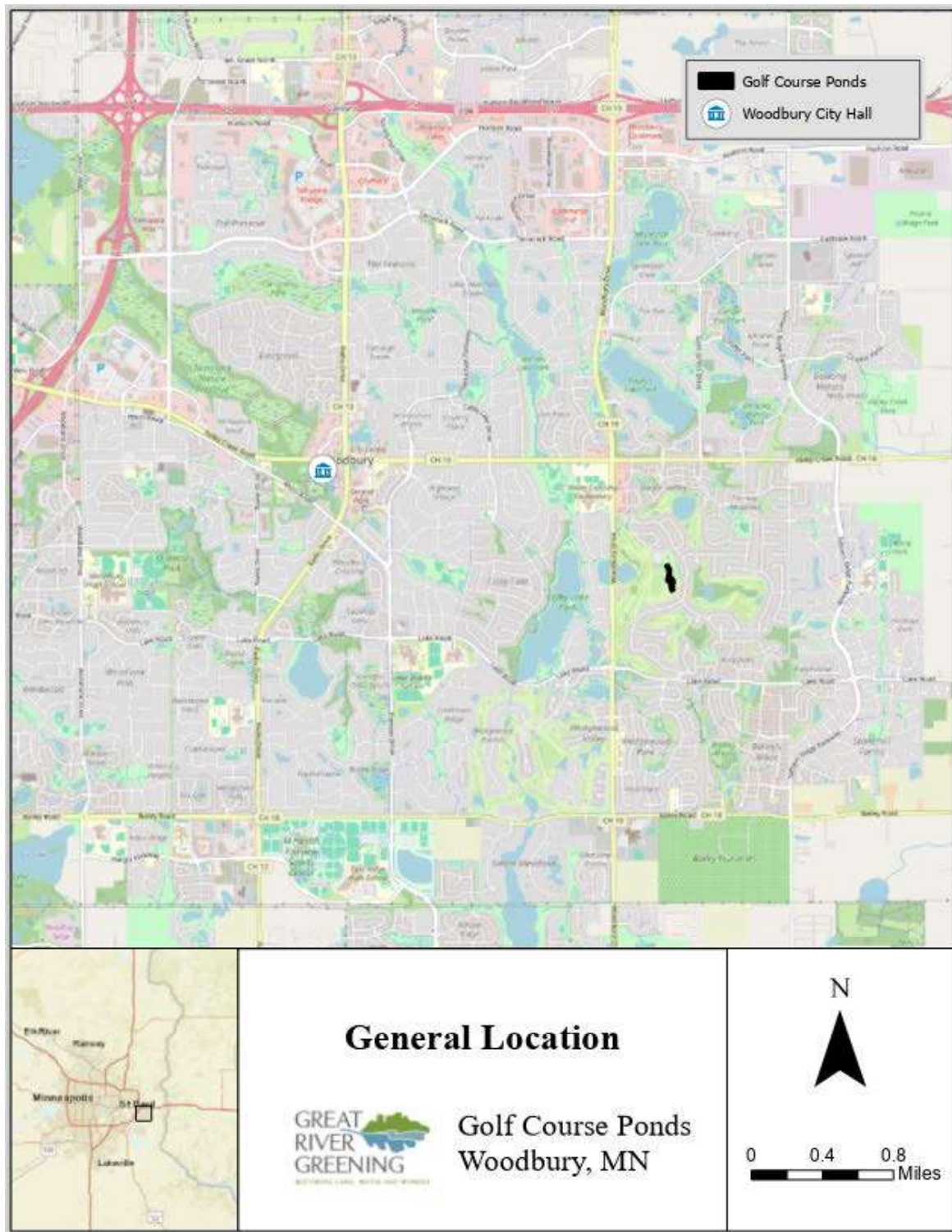


Figure 23. General location of Golf Course Ponds project boundary within the City of Woodbury, MN.

5.a.ii. Pre-settlement vegetation

Surveyors with the General Land Office recorded the size, species, and distribution of trees as well as general descriptions of the physical geography of the landscape they traversed throughout 1848-1907. Francis J. Marschner interpreted these notes to create a detailed map depicting how Minnesota looked at the time of European settlement (Fig. 24).⁵

Golf Course Ponds falls within the St. Croix Stagnation Moraines ecoregion. The pre-settlement vegetation surrounding Golf Course Ponds consisted of oak openings and barrens or savanna and was likely dispersed with a complex mosaic of wet prairie and oak, maple, basswood, and hickory hardwoods. Oak openings and barrens consisted predominantly of scattered trees and groves of oaks in scrubby form with patches of open prairie and areas of brush and thickets. Present day communities in this category include oak savannas and woodlands. Adjacent vegetation was classified as river bottom forest, with consisted primarily of floodplain forest dominated by elm, cottonwood, ash, boxelder, willow, silver maple, aspen, and hackberry. American elms were common bearing trees throughout this community.⁶

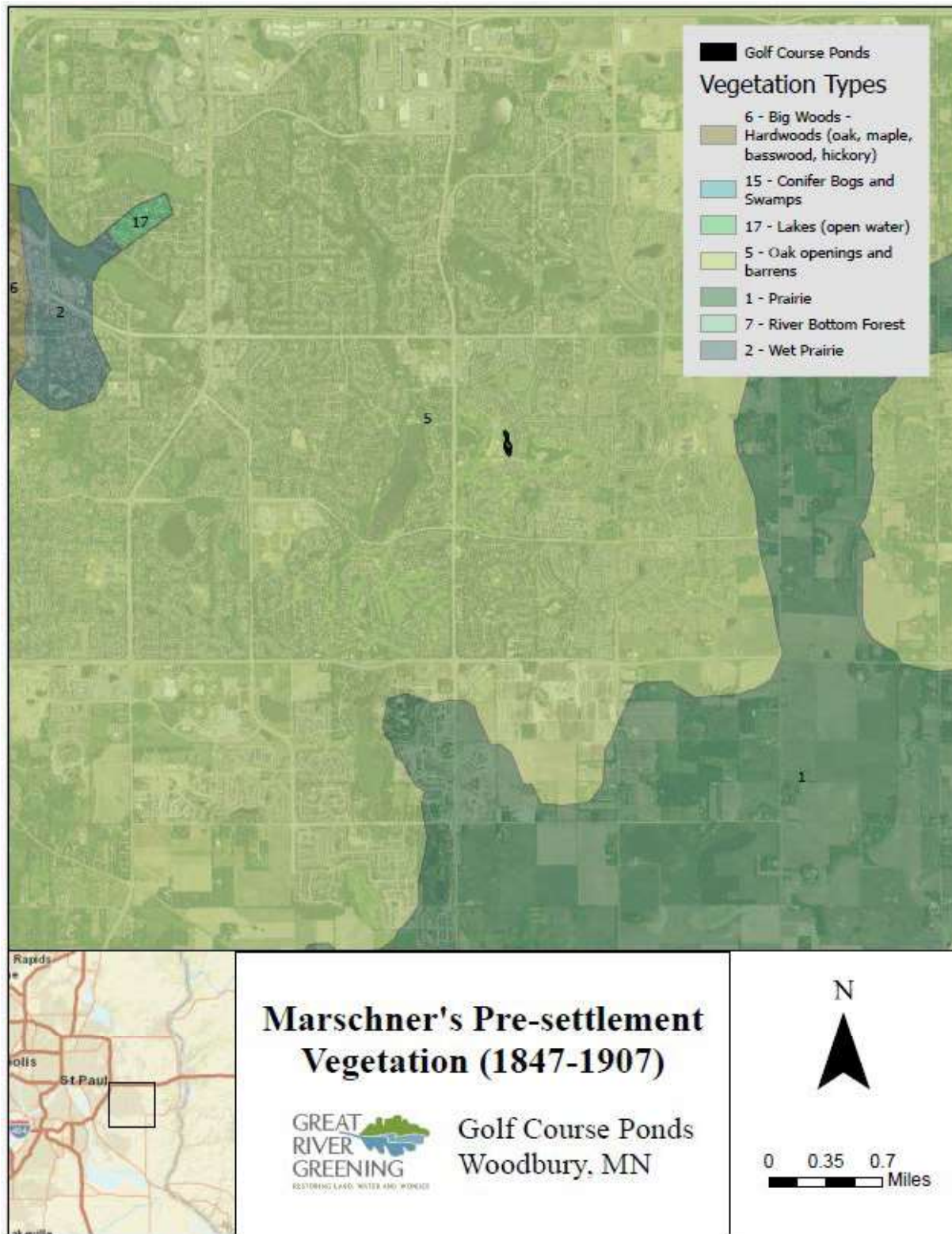


Figure 24. Original Vegetation of Minnesota surrounding Golf Course Ponds, a map compiled in 1930 by F.J. Marschner from the U.S. General Land Office Survey Notes and published in 1974.

5.a.iii. Post-settlement land use

In the mid-1800's, the City of Woodbury was largely covered with timber and throughout the following decades, these forests were cleared for agricultural land use, which required considerable time and labor. By 1936, historical imagery portrays the land use within a 5-mile radius surrounding Golf Course Ponds as primarily agricultural (Fig. 25). Wheat was the primary crop grown in this region as well as corn, potatoes, and barley until soybeans became the major crop of importance. The previous mosaic of oak savanna, wet prairie, and hardwood forests yielded rolling hills of fertile soils, which was particularly favorable for dairy farming.

By the 1950's, agricultural practices transitioned because of new technology, improved crop rotations and chemicals for pest control which contributed greatly to the economy. By 1955, Woodbury's population was expanding and plans to start the first housing development went underway. By 1960 urban development encroached into the community, replacing farmland.³ Eagle Valley Golf Course was established in 1998, which is when the landscape surrounding Golf Course Ponds began to be managed for recreational purposes via mowing and landscape shrub planting throughout the turf lawn.

Today, the vegetation structure of Golf Course Ponds shoreline is predominantly a mix of perennial native, non-native, and invasive weeds with minimal canopy cover. Planted trees stand in between the two ponds and low mowed turf surrounds the entire project site.

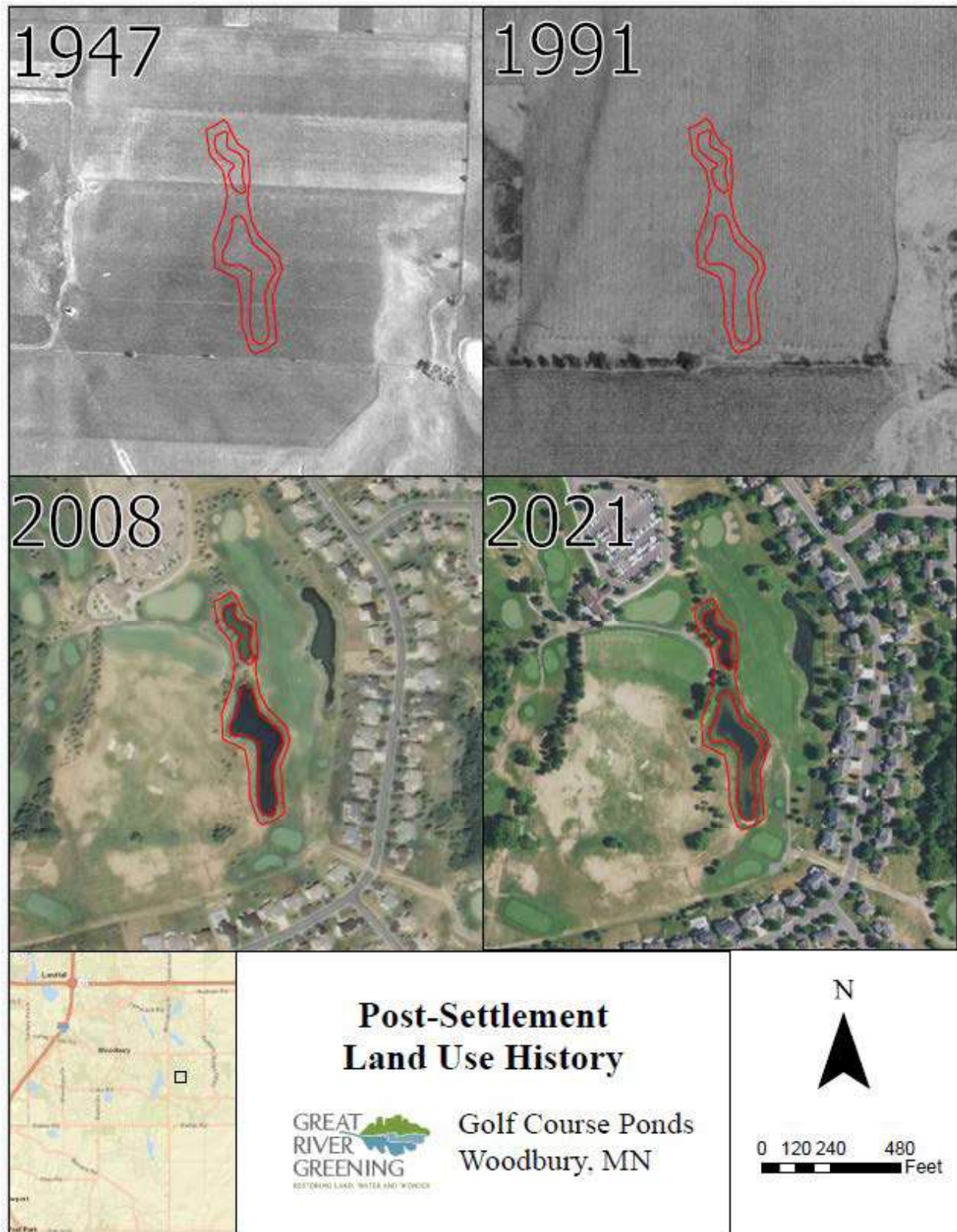


Figure 25. Historical aerial imagery of Golf Course Ponds in Woodbury, MN reflecting land use change from 1947 to 2021.⁷

5.a.iv. Current ecological site conditions

5.a.iv.1 Vegetation

Canopy:

Native: River Birch (*Betula nigra*), Cottonwood (*Populus deltoides*).

Subcanopy:

Native: Red osier dogwood (*Cornus sericea*, American black elderberry (*Sambucus canadensis*).

Non-native: Common buckthorn (*Rhamnus cathartica*), glossy buckthorn (*Frangula alnus*), Amur maple (*Acer ginnala*), Viburnum (*Viburnum sp.*).



Figure 26: Spring 2024, north-facing view from the southernmost edge of Golf Course Ponds, Woodbury, MN.

Ground layer:

Native: Reed canary grass (*Phalaris arundinacea*) (Native but invasive), Bulrush (*Scirpus sp.*), Wild bergamot (*Monarda fistulosa*), Field horsetail (*Equisetum arvense*), blue vervain (*Verbena hastata*), sedge (*Carex sp.*), Prairie smoke (*Geum triflorum*), False aster (*Boltonia asteroides*), common milkweed (*Asclepias syriaca*), Canada Bluejoint (*Calamagrostis canadensis*), Wild red raspberry (*Rubus idaeus*), giant goldenrod (*Solidago gigantea*), Swamp Smartweed (*Persicaria amphibia*), Sensitive Fern (*Onoclea sensibilis*), Yellow Avens (*Geum aleppicum*), Little Bluestem (*Schizachyrium scoparium*), woolgrass (*Scirpus cyperinus*), Smooth Scouring Rush (*Equisetum laevigatum*), Alder-leaved Buckthorn (*Rhamnus alnifolia*), Gray Dogwood (*Cornus racemosa*).

Non-native: Canada thistle (*Cirsium arvense*), Kentucky bluegrass (*Poa pratensis*), Motherwort (*Leonurus cardiaca*), Bittersweet Nightshade (*Solanum dulcamara*), smooth brome (*Bromus inermis*), curly dock (*Rumex crispus*), Lady's-thumb (*Persicaria maculosa*), Velvet Leaf (*Abutilon theophrasti*), Common Burdock (*Arctium minus*), Yellow Sweet Clover (*Melilotus officinalis*), Spotted Knapweed (*Centaurea stoebe*), Bull Thistle (*Cirsium vulgare*).

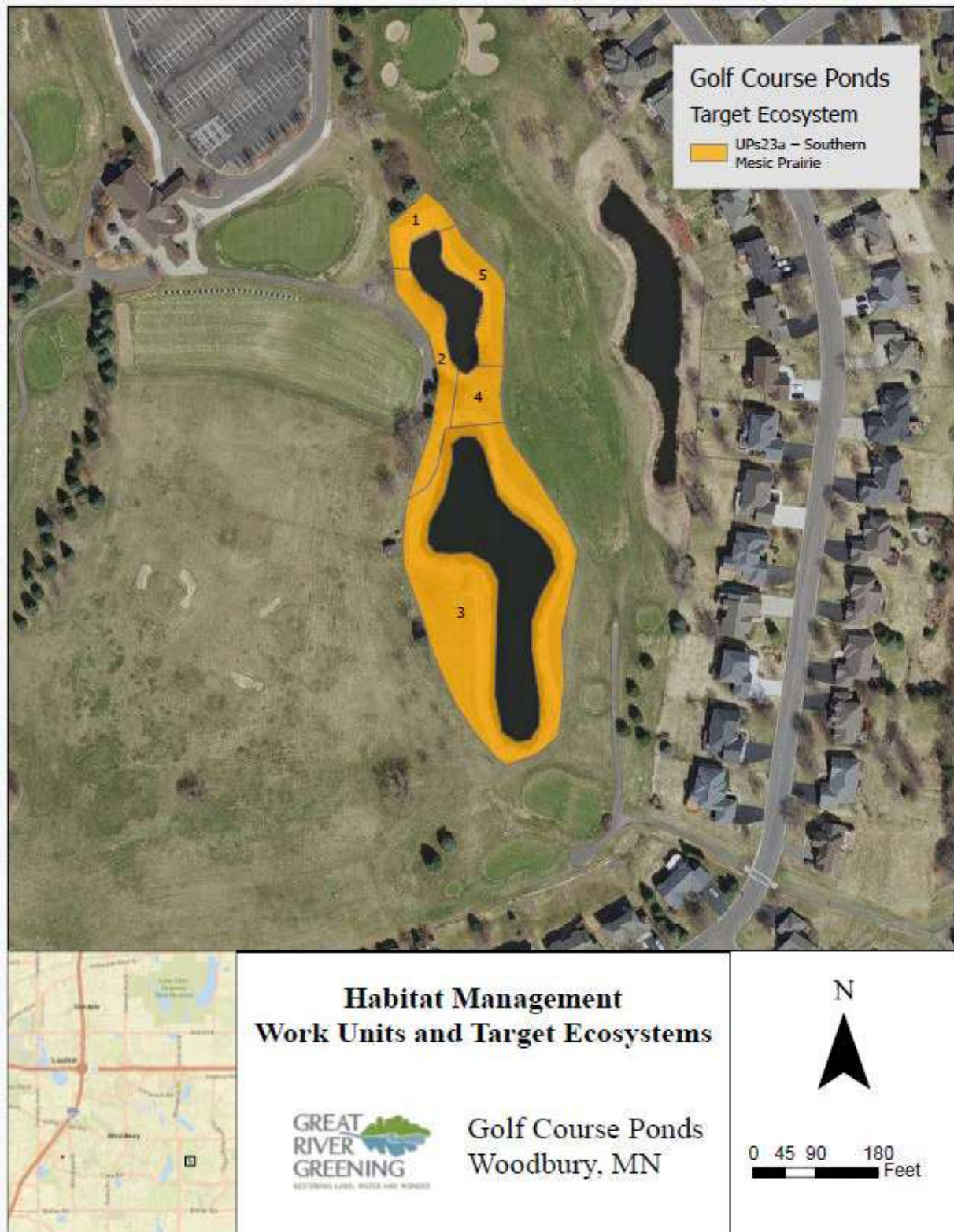


Figure 31. Target restoration ecosystems, by work unit, defined by MN DNR Native Plant Communities recommended for Golf Course Ponds, Woodbury, MN.

Work Unit 1

Description: The landcover surrounding Golf Course Ponds is grass-dominated herbaceous shoreline with minimal canopy cover. The plant community is indicative of the previously agricultural land use and disturbed urban soils resulting from the development of the golf course in 1998. Although the ground layer is predominantly herbaceous invasives like reed canary grass and Canada thistle, natives are present in the community, resulting in a fragmented wet meadow habitat.

Management Comments:

1. The established populations of Reed canary grass (*Phalaris arundinacea*) and Canada thistle (*Cirsium arvense*) will require an aggressive initial roster of activities to effectively remove. Herbicide treatment with Imazapyr as the active ingredient will provide more effective initial and prolonged control over glyphosate. Following the initial Imazapyr treatment, mowing to prevent seed production and repeat applications with glyphosate should bring the populations under control prior to seeding, but careful monitoring should be undertaken to ensure they are effectively eradicated before proceeding with revegetation. This puts unit 1 on a slightly different timeline than the other units that do not have the degree of invasive cover.
2. Due to the presence of desirable plants and proximity of surface water, aquatic approved herbicides and surfactants are required for all applications.
3. Seed mix should include species known to be competitive with reed canary grass, such as prairie cordgrass (*Spartina pectinata*) and swamp milkweed (*Asclepias incarnata*).
4. Seed mix should include a seasonally appropriate cover crop.
5. A fully biodegradable erosion control blanket or chopped straw is necessary to promote germination and prevent soil erosion.

Work Unit 2

Description: Ground layer vegetation is a continuation of unit 1 with steeper shoreline and canopy cover. River birch and cottonwood dominate the canopy with relatively low density while reed canary grass and bulrush dominate the ground layer.

Management Comments:

1. Reed canary grass management will be necessary prior to enhancement as previously mentioned.
2. Due to the steep slope shoreline, erosion control blanketing will be necessary to minimize soil erosion and seed wash out. Preference for biodegradable stakes where blanketed. Steep slopes require blanketing, flatter areas may use chopped straw.
3. Blanket seeding of wet meadow native seed mix is recommended to enhance the diversity of forbs and grasses.
4. Increasing canopy cover to 5-20% with native low height shrubs is recommended to reinforce sediment structure throughout steep slopes and create wildlife habitat, while maintaining pond visibility to park users.
5. Erosion control blanket fibers can be gently separated in preparation for planting bare root or container shrubs.

Work Unit 3

Description: The land cover surrounding the southern pond is predominantly weedy herbaceous vegetation like Kentucky bluegrass, horsetail, reed canary grass, and thistle with minimal presence of natives. Bulrush, blue vervain, bee balm, and common milkweed are present. Shrubs like glossy buckthorn, red osier dogwood, and black elderberry are interspersed, but has been mowed repeatedly, resulting in zero canopy cover. The eastern half of this work unit exhibited rutting and soil disturbance shortly after dredging.

Management Comments:

1. Golf course management has agreed that cessation of turf management is acceptable up to the existing tree line west of the pond, which increases the available footprint for native vegetation restoration.
2. Expansion of the native vegetation area in this unit will substantially increase the habitat value of the site overall, while not adding a large additional cost to the project.
3. Following the establishment of native herbaceous cover, short stature trees and shrubs could be added for additional habitat value and visual interest.

Work Unit 4

Description: This unit is primarily mowed turf that appears to be used as an equipment access trail between the ponds. Due to mowing and compaction, this area does not currently harbor a high prevalence of invasive cover, although there may be an existing seedbank to contend with during the restoration phase.

Management Comments:

1. Per conversations with the golf course staff, this area can be taken out of turf management and revegetated along with the other units.
2. Soil decompaction may be required to alleviate compaction in the area that has seen vehicle traffic.

Work Unit 5

Description: The immediate shoreline surrounding the pond is primarily dominated by non-native grasses such as reed canary and smooth brome, although the upland area does exhibit some native grasses such as little bluestem. Due to proximity to “in play” areas of the course, this unit should not be considered a candidate for taller herbaceous vegetation or woody plantings. Rather, short stature, upland prairie species will provide suitable habitat yet not be a major impact to course users.

Management Comments:

1. Restoration activities for this unit should follow the sequence of the other areas of the pond for preparation, seeding, and establishment maintenance.
2. Taller stature mesic prairie species should be excluded from the mix.

5.c. Restoration Management Phasing & Cost Estimate Summary

Total management costs* were based on 5-year management plans. Total 5-year costs for all vegetation management are \$86,200. Cost estimation is based on current 2024 market rates, subcontracting all implementation and necessary oversight, and the assumption that all management units are implemented concurrently. Management unit nuances may influence costs totals and should be considered.

**All prices are estimates based on current market rates at the time of writing. Estimates do not factor in any state dollars being used to perform activities. Due to new language change in statute as of August 1, 2024, any natural resource related projects need to follow state prevailing wage requirements. This change in state statute language will have an increase in actual costs.*

Activity	Year 1	Year 2	Year 3	Year 4	Year 5-10	Applicable Management Units
Site preparation and vegetation installation	\$29,400	\$3,500				1-5
Establishment maintenance		\$19,300	\$5,500	\$4,000		1-5
Prescribed burn (two burn cycles)					\$14,500	1-5
Tree and shrub planting and maintenance					\$10,000	1-5
Total	\$29,400	\$22,800	\$5,500	\$4,000	\$24,500	\$86,200

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF WOODBURY

**LINEAR STORMWATER
STUDY**

\$100,000



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

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: N/A

Address: 8301 Valley Creek Road

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: \$ 200,000

CCIP Funding Requested: \$ 100,000

Other Funding Secured: \$ 100,000

Other Funding Sources: 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):

Various studies have been completed to date to identify cost effective stormwater treatment practices to meet city requirements and watershed goals for linear and public projects. Those studies need to be built on to identify areas related to needed treatment for projects identified in the CIP. Study Scope: (a) City-wide regional stormwater BMP study and (b) Creation of Stormwater Green-Infrastructure BMP details, specifications and operations and maintenance plans for linear projects.

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

While its cost effective to include stormwater improvements (quality and quantity) to planned projects, the linear nature of most city projects have limited space to implement impactful projects. To date, staff has evaluated this issue project by project. The intention of this study is to look at projects planned over the next ten years and evaluate on a sub-watershed and watershed-level, as opposed to staying within the linear corridors. This work will build on recent work done by SWWD, RWMWD and the City through 3M settlement-related projects

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

N/A

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

The study will evaluate city projects anticipated in the next ten years. The BMPs will be implemented with appropriate projects and will be maintained through the City's asset management programs.

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

Inserting stormwater best management practices into city projects as they fit best, as opposed to stretching specific areas and installing improper BMP's based on written rules, will result in a more resilient, efficient and maintainable system.

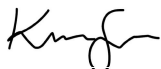
- F. Describe the anticipated project implementation schedule:

July 2025: Request proposals for this work

September 2025-June 2026: Complete the study through a Project Management Team including city and watershed staff.

APPLICANT SIGNATURE

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



Signature

03/05/25

Date

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF WOODBURY

**SEASONS PARK
VEGETATION
MANAGEMENT**

\$107,500



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

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: Seasons Park Corridor Vegetation Management

Address: 1233 Silverwood Road

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: \$ 215,000

CCIP Funding Requested: \$ 107,500

Other Funding Secured: \$ 107,500

Other Funding Sources: City 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):

Following the installation of SWWD's regional CC17 stormwater filter within the Season's Park Corridor, the City and Watershed staff initiated an evaluation of the condition of the creek, stormwater ponds and wetland vegetation between Radio Drive and Interlachen Parkway. We further considered converting turf to natural landscapes and decreasing impervious at a parking lot on the eastern side of the project area. The recommendations to remove invasive, convert turf to prairie and support growth of native plants along the corridor are included in the attachment. The removal and replacement of the parking lot is not included in this proposal but is scheduled to be completed via the City Parks and Trail Replacement Fund in 2026.

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

The buffer vegetation throughout the corridor is dominated by non-native and invasive plant species that do not support healthy soils or insects, which has a negative impact on surface water quality. Further, removing turf grass adjacent to the waterways will allow installation of deep-rooted plants that decrease impacts of runoff into the surface water resources. By decreasing turf grass mowing in these areas, we are able to decrease carbon emissions required to maintain those areas.

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

N/A

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

The planning process for this project included various viewpoints and maintenance considerations. This project will further support successful maintenance of the filter basin buffer and turf conversion that SWWD led on the western side of the corridor, all of which will fall within the City's Vegetation Maintenance contract moving forward.

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

In the last few years, this area was impacted by storm damage which resulted in tree loss. An evaluation of existing trees and their health was completed as part of the study completed in 2024. This winter, city contracted tree removal of the recommended trees, to decrease future trees falling and city response required, and removed trees that would be a detriment to the restoration activity, such as Amur Maples. Removing invasive and non-native brush and forbes, in favor of native understory vegetation, will help improve habitat and diversity.

- F. Describe the anticipated project implementation schedule:

Summer 2025- Public bidding process

Fall/Winter 2025- begin removing invasive species and spray turf grass

Winter 2025-Winter 2027- vegetation management activities.

APPLICANT SIGNATURE

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



Signature

03/05/25

Date



NATURAL RESOURCE MANAGEMENT PLAN

CITY OF WOODBURY

Seasons Park, North View Channel,
Golf Course Ponds, and SC285

Great River Greening

2025

Seasons Park Vegetation Pages

2.c. Overall goal for habitat restoration and enhancement throughout project sites

Several elements of the historical site assessment of these four project sites indicate oak savanna, hardwoods, and brush prairie as pre-settlement plant communities (Fig. 4). However, due to the expansion of human development and land use intensification throughout the 19th and 20th centuries, restoring the Woodbury project sites to these historic plant communities may not be reasonable or sustainable. The restoration targets of the Woodbury project sites are also guided by existing vegetation, soils, and topography, future climate conditions, as well as by management limitations and urgencies that come with a highly disturbed, urbanized landscape. The primary constraints associated with post-settlement development include varying levels of habitat degradation, invasive species introduction, hydrologic regime shifts, and the suppressions of natural disturbance regimes required by native ecosystems, such as fire. Implementing a fire regime to an area with high public foot traffic may not be feasible for all project sites, hence management recommendations also consider the priorities, urgencies, and human elements to inform sustainable stewardship of these four project sites. Considering the complexities and nuances of this metropolitan region, the overall habitat restoration goals target diverse, climate resilient plant communities and natural spaces that are equitable and accessible to the community as the primary outcomes. Restoration objectives for each project site are refined to their specific land use influences and are outlined in their respective sections below.

3. SEASONS PARK

3.a. Background and Site History

Historical aerial photos of the area from 1947 to 2021 (Fig. 6) depict the progression of land use in and around Seasons Park as transitioning from agricultural to residential land use.

3.a.i. General Location

Seasons Park is a 16.2-acre community park in Woodbury, MN, situated between Radio Drive (western border) and Interlachen Parkway (eastern border). Seasons Park provides a network of trails and recreational areas throughout its mosaic of oak woodlands, oak savanna, wetlands, creek, a stormwater basin, and mowed walking turf areas.

The land within Seasons Park today has had an extensive history of agricultural land use prior to becoming a community natural area. Over the past 35 years, land use has significantly changed.

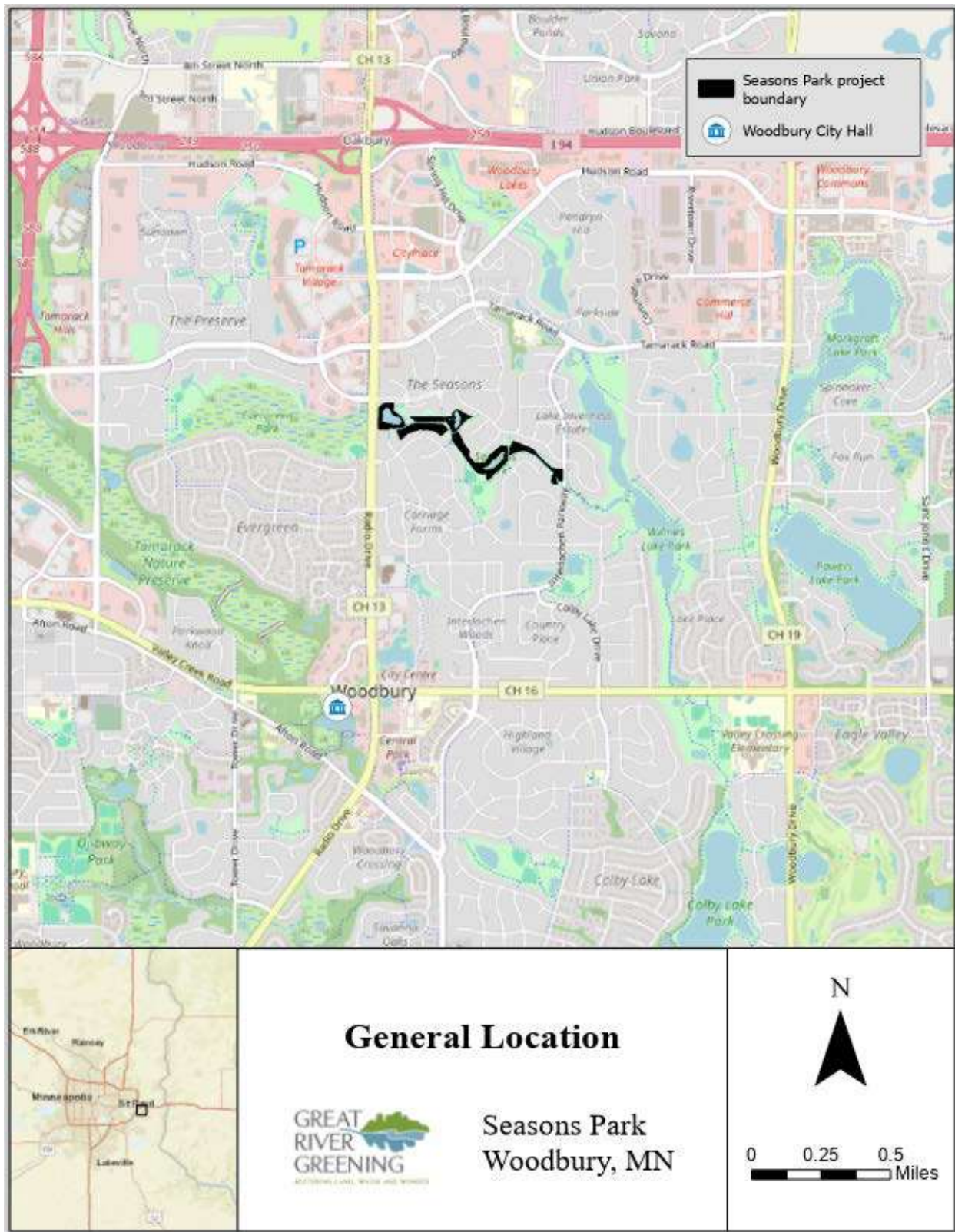


Figure 3. General location of Seasons Park project boundary within the City of Woodbury, MN.

3.a.ii. Pre-Settlement Vegetation

Surveyors with the General Land Office recorded the size, species, and distribution of trees as well as general descriptions of the physical geography of the landscape they traversed throughout 1848-1907. Francis J. Marschner interpreted these notes to create a detailed map depicting how Minnesota looked at the time of European settlement (Fig. 4).⁵

Seasons Park falls within the St. Croix Stagnation Moraines ecoregion. The pre-settlement vegetation surrounding Seasons Park consisted of oak openings and barrens or savanna, containing a complex mosaic of wet prairie and oak (*Quercus sp.*), maple (*Acer sp.*), basswood (*Tilia americana*), and hickory (*Carya sp.*) hardwoods. Oak openings and barrens consisted of scattered trees and groves of oaks in scrubby form with patches of open prairie and areas of brush and thickets. Present day communities in this category include oak savannas and woodlands. Adjacent vegetation was classified as river bottom forest, which consisted primarily of floodplain forest dominated by elm, cottonwood, ash, boxelder, willow, silver maple, aspen, and hackberry. American elms were common bearing trees throughout this community.⁶

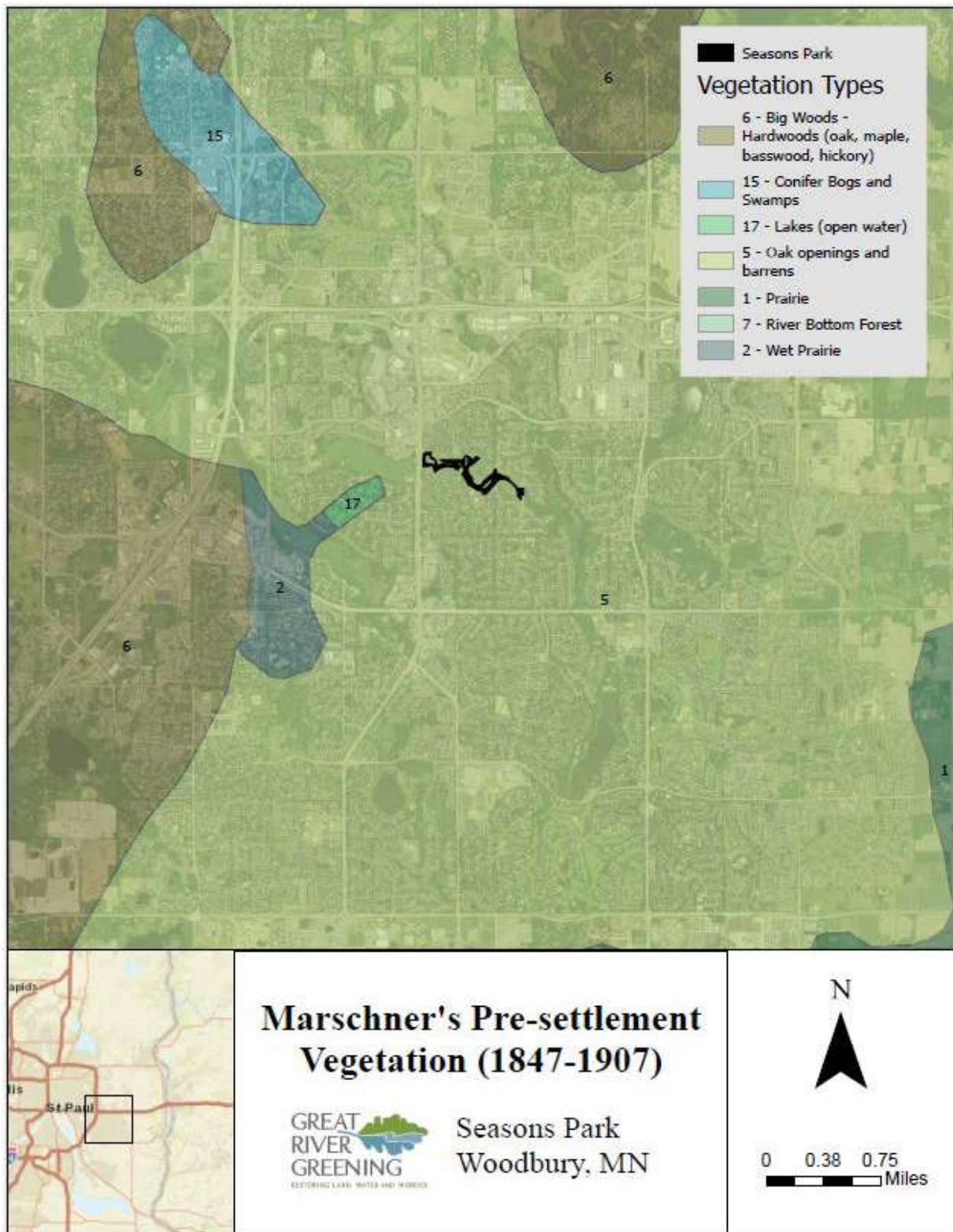


Figure 4. Original Vegetation of Minnesota surrounding Seasons Park, a map compiled in 1930 by F.J. Marschner from the U.S. General Land Office Survey Notes and published in 1974.

3.a.iii. Post-settlement land use

The area surrounding Seasons Park was gradually transitioned for agricultural purposes throughout the 19th and 20th centuries. By 1936, the canopy throughout the western half of Seasons Park was entirely cleared for high intensity farming all the way up to the streambank, while the canopy in the eastern half was maintained along the stream all the way to what is now Wilmes Lake until the early 1950's. However, by the late 1980's, residential housing developments encroached the area, along with impervious roads, sidewalks, and commercial businesses. Although Seasons Park was utilized by the community as a natural park space throughout the 1990's and 2000's, the vegetation throughout the western half was planted or maintained grasses and trees with sparse canopy cover. By 2019, the western half transitioned from maintained turf to more "wild" vegetation along the streambank. South Washington Watershed is overseeing an oak woodland restoration within the park, just under an acre, in relation to a stormwater filter basin they had constructed in 2022⁷.

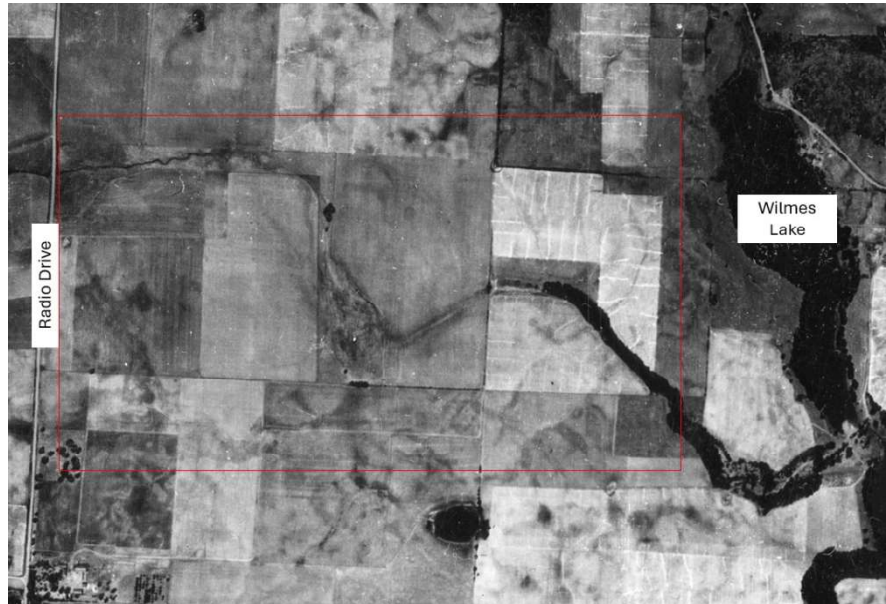


Figure 5. Historical imagery from 1936 surrounding Seasons Park (red), Woodbury, MN.

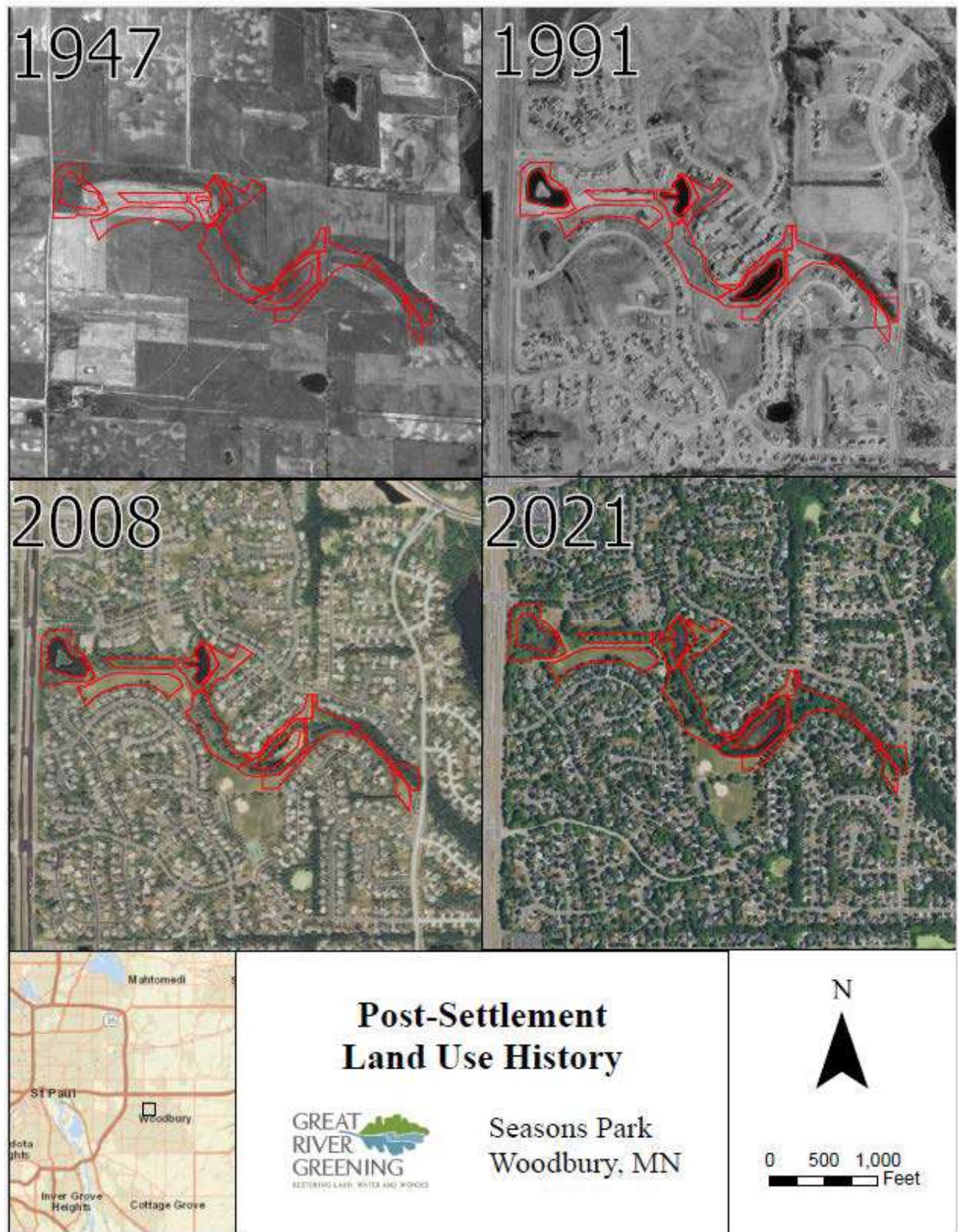


Figure 6. Historical aerial imagery of Seasons Park in Woodbury, MN reflecting land use change from 1947 to 2021⁷.

3.a.iv. Current ecological site conditions

3.a.iv.1 Vegetation

The following summary of vegetation structure reflects the dominant and notable species identified throughout spring and fall of 2024 at Seasons Park and does not reflect a comprehensive survey of all species within the project site. Due to the mosaic of floodplain and mesic hardwood ecosystems throughout the site, much of the existing canopy should be preserved and utilized for target restoration, including silver maple, cottonwood, American elm, basswood, hackberry, bur, white, and swamp white oak.



Figure 7. Fall view of the woodland-residential interface trail located east of the Seasons Park baseball field.

Canopy:

Native: Quaking aspen (*Populus tremuloides*), black willow (*Salix nigra*), cottonwood (*Populus deltoides*), spruce (*Picea sp.*), river birch (*Betula nigra*), prairie crabapple (*Malus ioensis*), thornless honey locust (*Gleditsia triacanthos f. inermis*), boxelder (*Acer negundo*), autumn blaze maple (*Acer × freemanii*), bur oak (*Quercus macrocarpa*), red maple (*Acer rubrum*).

Non-native: Amur maple (*Acer ginnala*), white poplar (*Populus alba*), weeping willow (*Salix babylonica*), Russian olive (*Elaeagnus angustifolia*), Norway maple (*Acer platanoides*).

Subcanopy:

Native: Red osier dogwood (*Cornus sericea*), riverbank grapevine (*Vitis riparia*), sumac (*Rhus sp.*), common elderberry (*Sambucus canadensis*), serviceberry (*Amelanchier sp.*), gray dogwood (*Cornus racemosa*), wild red raspberry (*Rubus idaeus*), prairie crabapple (*Malus ioensis*).

Non-native: Common buckthorn (*Rhamnus cathartica*), glossy buckthorn (*Frangula alnus*), ribes-cultivated currant (*Ribes rubrum*), common lilac (*Syringa vulgaris*), Russian olive (*Elaeagnus angustifolia*), black locust (*Robinia pseudoacacia*).

Ground layer:

Native: Goldenrod (*Solidago sp.*), stinging nettle (*Urtica dioica*), dogbane sp. (*Apocynum sp.*), culvers root (*Veronicastrum virginicum*), obedient plant (*Physostegia virginiana*), river bullrush (*Bolboschoenus fluviatile*), false aster (*Boltonia asteroides*).

Non-native: Reed canary grass (*Phalaris arundinacea*), dock sp. (*Rumex sp.*), smooth brome (*Bromus inermis*), Canada thistle (*Cirsium arvense*), common burdock (*Arctium minus*), bittersweet nightshade (*Solanum dulcamara*), garden red currant (*Ribes rubrum*), motherwort (*Leonurus cardiaca*), butter and eggs (*Linaria vulgaris*), bull thistle (*Cirsium vulgare*), daylily (*Hemerocallis fulva*).

3.b.iii. Restoration Objectives

Several elements of the historical and current vegetation of Seasons Park indicates a mosaic of mesic hardwood, upland prairie, and marsh ecosystems as defined in section 3.b.ii. Site Description. The nature of this mixed site being within a disturbed metro landscape means it is faced with varying levels of habitat degradation, invasive species introduction, hydrologic regime shifts, and the suppressions of natural disturbance regimes required by native ecosystems. The target restoration ecosystem should consider historical, current, and future conditions of the environment. The City of Woodbury's Comprehensive 2040 plan, adopted in 2019, identifies the commitments to sustainable development and maintenance of natural areas and public parks, including commitments to increasing tree canopy, providing support for pollinators and other wildlife, and promoting biodiversity.

The current canopy dominance of silver maple, bur oak, swamp white oak, basswood, green ash, American elm, paper birch, quaking aspen, white oak, black cherry, and bigtooth aspen, indicates a mosaic of mesic hardwood and floodplain forest ecosystems. The presence of native understory species of Virginia waterleaf (*Hydrophyllum virginianum*), white avens (*Geum canadense*), and wood-nettle (*Laportea canadensis*), distributed throughout the non-turf areas of Seasons Park further supports the suitability of Mesic Hardwood and floodplain indicator species. Therefore, the target restoration ecosystem for units 1,2,3,4,8,9, and 10 is **MHs38 – Southern Mesic Oak-Basswood Forest**. The City of Woodbury is interested in enhancing canopy connectivity and pollinator habitat to the adjacent woodlands in units that are currently upland turf (units 6, 7, 11, 12). Given the historical vegetation structure, the long-term target restoration ecosystem for units 6, 7, and 12 should be guided by **UPs14 – Southern Dry Savanna** and unit 11 will be a **demonstration bee lawn**. Management comments consider the challenges of restoring a disturbed urban landscape and should continue to be evaluated as environmental conditions change over time.

1. Restore and enhance Mesic Hardwood (MHs38)

a. Strategies

- i. Maintain and enhance Mesic Hardwood remnants in units 1,2,3,4,8,9, and 10.
- ii. Mechanical and chemical removal of invasive, hazard, and non-suitable species. This will include thinning of MN native species such as boxelder.
- iii. Re-establish a tree canopy cover of 50-80% after initial undesirable canopy removal.
- iv. Maintain a representative age class to allow for regeneration.
- v. Historical and existing native vegetation structure should be considered for future habitat enhancement species selection.
- vi. Enhance understory diversity with deep rooted native savanna grasses, forb, and shrub species. Where possible, use local ecotype seed following the Minnesota Board of Water & Soil Resources (BWSR) "Native Vegetation establishment and enhancement guidelines." See Appendix B and F for species list.

2. Restore Dry Savanna (Ups14) and pollinator habitat

a. Strategies

- i. Remove existing turf grass in units 6, 7, 11, and 12.
- ii. Restore ground layer vegetation with deep rooted native savanna grasses, forb, and flowering shrub species to enhance pollinator habitat connectivity in units 6,7, and 12.

- iii. Establish a tree canopy cover of 5-20% with habitat connectivity to dry savanna habitats (units 6, 7, and 12).
 - iv. Restore ground layer vegetation with pollinator resources in unit 11.
- 3. Erosion control and surface water health
 - a. Strategies
 - i. Deep root plant selections to filter pollutants carried by rainfall, improve soil health, and reduce soil erosion into nearby surface water.
 - ii. Re-canopy areas targeted for invasive, hazard, and undesirable woody removal to reduce runoff that carries pollutants from the landscape into nearby surface water.
- 4. Reduction/mitigation of non-native and invasive species
 - a. Rationale: Due to vectors likely to persist on the site due to its urban setting and relatively small size, non-native species will persist on the site, if left unmanaged. As per recommendations outlined in section 3.c, many management units include an initial removal of the most dominant invasive species, followed by a revegetation plan that can provide competition against re-colonization by invasives.
 - b. Strategies
 - i. Document location, density, and area of invasive populations with GIS.
 - ii. When feasible, use biological control.
 - iii. Where biological control is not available, use chemical and mechanical means to control.
 - iv. Monitor infested areas for effectiveness of control.
 - v. Provide education to community members and adjacent landowners regarding prevention and management.
- 5. Consider impacts to wildlife, habitat management, and visitor use of Seasons Park
 - a. Strategies
 - i. Install signage of restoration and management activities at entry points that explain restoration activities and their importance to ecosystem health.
 - ii. When possible, remove or stack felled or dead trees away from trails.
 - iii. Provide access that is sensitive to surrounding landscape and minimizes impact on natural resources.
 - iv. Review and prioritize tree removal of invasive and potentially hazardous trees throughout the corridor (See Appendix A).

3.b.iv. Habitat Complexes and Management Comments

These habitat complexes are guided by the Minnesota Land Cover Classification System (MLCCS) and Native Plant Communities (NPC), defined by the MNDNR, and have been simplified to streamline the recommended management activities. Following the description of each habitat type per MLCCS, observations and commentary on the specifics of each identified management unit at Seasons Park are discussed.

The following section also contains specific recommendations for the execution of management objectives at each work unit (Fig. 12). In each unit, observations are detailed based on observed conditions as of fall 2023. The recommended activities are proposed here generally as a sequential timeline, with high-disturbance activities such as woody debris and major invasive control being first

priority, followed by subsequent follow-up measures and vegetation enhancement. A more structured presentation of the proposed activity timeline across the site is detailed in the cost summary table in section 3.c., with the per-unit tasks broken down in the table found in 3.d. Recommended activities could be phased across a wider time frame, or by specific units per phase, as funding and capacity require, although it should be recognized that alignment of similar management activities chronologically across the entire site will likely provide increased efficiency and lower cost-per-acre, due to efficiency of scale. Long-term maintenance recommendations are broken down into 5-10- and 10-20-year recommendations in section 3.e., however, inflation changes should be considered. Section 3.f. lists recommended specifications related to the associated management actions. Refinement of exact specifications will still be required when any management guidance is translated into a request for proposals or implementation by city staff.

Note: Hazardous and invasive tree removal recommendations are outlined on a high level within the following management comments by unit. Further explanation and detailed mapping for all tree removal can be found in Appendix A.



Figure 12. Target restoration ecosystems, by work unit, defined by MN DNR Native Plant Communities recommended for Seasons Park, Woodbury, MN.

Target Ecosystem MHs38 – Southern Mesic Oak-Basswood Forest

Work Unit 1

Description: The landcover surrounding the pond on the west edge of Seasons Park is primarily tree-covered, with pockets of herbaceous vegetation. Some of the vegetation is intentionally planted, whereas much of the area is presumably “wild,” or otherwise unintentional. Invasive woody brush, primarily buckthorn (*Rhamnus cathartica*) with honeysuckle (*Lonicera tatarica*) and amur maple (*Acer ginnala*), are the dominant shrub layer. Other invasives of note include a large swath of reed canary grass (*Phalaris arundinacea*), as well as native but problematic species such as black willows (*Salix nigra*). While the willows have habitat value for wildlife, they do pose a potential hazard and long-term maintenance concern due to being prone to breaking apart when mature. Additionally, there is the presence of native herbaceous species in the northwest corner of the unit. It is unclear if these species were installed or appeared naturally but indicates potential for enhancement of the non-canopy areas of the unit.

Management comments:

1. Disposal of existing woody debris is suggested to be conducted prior to woody invasive removal to maximize accessibility.
2. Proactive and hazard tree removal should be conducted to prevent trail obstructions and could be done simultaneously with woody invasive control and disposal. Woody debris within a 6-foot buffer of wetland could be slashed and bucked up for erosion control and habitat structure purposes.
3. The southwestern area of unit 1 is infested with reed canary grass and will require glyphosate spray treatment before it produces seed. A mow and/or burn (if possible) should follow glyphosate treatment, followed by a second herbicide application.
4. Stinging Nettle (*Urtica dioica*) indicates that surplus nutrients may be present and may require multiple activities to prepare the site for reseeding.
5. Understory seeding is recommended to promote native species to deter invasives and enhance habitat. If reed canary grass treatment is undertaken, reseeding should also occur (wet meadow mix suggested) following two herbicide treatments and a prep mow/dethatch or burn.
6. Pocket of native prairie plants on NW side of unit could be enhanced/expanded.
7. Note: unsanctioned resident-created trail clearing around the pond.
8. Non-native crab apples around pond should be considered for replacement with native shrubs and enhanced native seeding in the vicinity. This is recommended as a second-tier priority.
9. The buffer on the southeastern corner of pond needs expansion and turf removal.

Work Unit 3

Description: Conditions surrounding this pond are like the pond in unit 1, although encroachment mowing from the surrounding property owners is less in this location. There are woody invasives in the area, but they are not dominant everywhere. Any existing breaks in tree canopy (currently primarily bare soil, weedy condition, or turfgrass, could be considered opportunities for revegetation with native shoreline plant communities.

Management Comments:

1. The infestation volume of woody invasive species is moderate but should still be considered a top priority to support restoration across the site.
2. In addition to the recommended tree removal in Appendix A, continued boxelder thinning should be considered for this unit to maintain opportunity for successful native understory establishment. Based on current (2024) densities and high abundance of small saplings, the site could benefit from ~30% removal of boxelders without compromising shoreline stabilization, which is quantified and labeled as Tier 3 in Appendix A. 'Undesirable tree removal' in 3.d. includes these costs within the first five years.
3. Where there are natural breaks in the subcanopy and canopy, herbaceous weeds should be treated and replaced with a shoreline seed mix. Depending on the condition of the shoreline itself, erosion control materials may need to be installed accompanying seeding.

Work Unit 9

Description: Condition is very similar to unit 3. The addition of shoreline buffer plantings will help establish more beneficial habitat and filter nutrient runoff into the pond from the extensive turfgrass surrounding the area.

Management Comments:

1. Minor woody invasive removal, primarily shrub canopy consisting of amur maples and buckthorn.
2. Although this unit contains relatively high densities of boxelder which can be undesirable and 'weedy,' these native trees are serving as shoreline stabilization and therefore are not priority candidates for removal within this unit.
3. Dense trees, compact soil, unauthorized bike trails, opportunities for pocket planting of herbaceous shoreline vegetation. Foot traffic in these areas may negatively impact vegetation establishment and trail closure may be necessary. Winter seeding in compact soil areas is recommended because foot traffic will be reduced.
4. Understory enhancement with shade tolerant native vegetation is recommended. Snow seeding is recommended to promote effective germination, especially given the compacted soils where disturbance has occurred.

Work Unit 2

Description: This area has seen significant disturbance recently due to storm blowdown as well as installed hydrological infrastructure. There are numerous downed logs and debris that should be removed prior to additional restoration activity. Woody invasives are present at varying densities and are high priorities for removal. Existing tree canopy is well established, and major alteration is not likely viable, although underplanting with desirable native tree species could be considered after invasive removal and ground layer vegetation establishment.

Management Comments:

1. Some woody debris and hazard tree removal has already occurred in this area. This should be completed prior to any habitat enhancement. If equipment can be used on frozen soils to

minimize disturbance, this is preferred, but if growing season removal occurs, disturbed areas should be stabilized.

2. Following debris removal, the next target should be woody invasive shrubs, especially buckthorn, honeysuckle, and amur maple. Pending budgets and access options, full removal from the site may be the best option to prevent nutrient loading. Pile burning on site may not be feasible due to the urban location, as well as the associated release of carbon into the atmosphere and soil sterilization. Consider biochar production if onsite disposal is preferable.
3. When woody management concludes, promote native shade canopy trees to enhance habitat diversity. Plant and promote recruitment of more desirable tree species by removing less desirable tree species that may be shading and suppressing seedlings.

Work Unit 4

Description: Other than having less downed woody debris, the condition of this area is similar to unit 2. As with unit 2, initial removal of buckthorn, amur maple, and honeysuckle should be considered a high priority. Thinning of overabundant box elder will create opportunities for more diversity in the understory vegetation, and the wider expanse of area straddling the creek channel in this unit presents an opportunity for a more expansive restoration of diverse native ground layer vegetation. Existing non-native crabapples could be removed or allowed to persist, but replacement or adjacent planting of native subcanopy trees would add similar pollinator resources and food for wildlife.

Management Comments:

1. This area contains significant pockets of woody invasive brush (buckthorn, honeysuckle, amur maple). All should be removed.
2. Present in this area are several clusters of non-native plantings such as rugosa rose (*Rosa rugosa*), plume poppy (*Macleaya cordata*), deadnettle (*Lamium sp.*), and more (presumably unsanctioned resident installations). These should be removed immediately as some of the species are known to be invasive when escaped from cultivation. It would be prudent to attempt to locate the source of the plantings and advise the individuals of the rationale for removal. Interested individuals may be recruited to assist in replacement with appropriate native vegetation.
3. Following woody removal and control of non-native herbaceous cover, the area should be seeded with native graminoids. Following satisfactory follow-up control of invasive species, native forbs could be added.
4. After the ground layer has received supplemental vegetation, the shrub layer could be enhanced with native woody plantings.
5. Hatched areas depicted in figure 12 indicate opportunities for shrub and tree planting, to minimize mowing maintenance.

Work Unit 8

Description: Overstory composition is similar to unit 4, with associated opportunities for removal and replacement of invasive vegetation. This area also has received planted vegetation, presumably by an adjacent resident, including some species known to become invasive when escaped from cultivation.

Removal and replacement with native vegetation could be conducted as a community planting event to engage this well-intentioned desire on the part of residents to beautify the area.

Management Comments:

1. Initial actions include debris disposal, boxelder control, woody invasive control. Emphasis on debris disposal and boxelder control. Compact soil conditions and unauthorized bike trails are evident. Foot traffic in these areas may negatively impact vegetation establishment and trail closure may be necessary. Winter seeding in compact soil areas are recommended because foot traffic will be reduced, and freeze-thaw cycles tend to loosen soils and allow seed to migrate to establish good soil contact.
2. This unit contains numerous mature cottonwoods. Although dense, removal of boxelders is less extensive compared to units 1 and 3 to minimize non-target damage to native canopy. In addition to managing the dense buckthorn and trees identified in Appendix A, removal of all boxelders under 4" DBH is recommended as part of the undesirable tree removal.
3. Understory enhancement as described above for other forested units. Snow seeding is recommended to promote effective germination, especially given the compacted soils where disturbance has occurred.

Work Unit 10

Description: This stretch of the stream corridor contains the largest abundance of mature oak trees on the site, making the overstory a candidate for preservation. Restoration of the understory, including brush removal and revegetation through seeding and planting, could make this unit an exceptional habitat and the proximity to the trail and road access make it a high priority for visitor experience of the park.

Management Comments:

1. Woody invasive control, debris disposal, undesirable tree removal (boxelder), understory enhancement, concurrent with other forested units detailed above.
2. Due to the presence of white and bur oaks throughout this unit, boxelder removal should be limited to <8" DBH and within canopy radius of oaks.
3. Denuded creek banks may require erosion control measures along with seeding.
4. Pocket plantings along the paved trail may enhance resources while providing visual interest for park users.

Target Ecosystem UPs14 – Southern Dry Savanna

Work Unit 6

Description: Turf grass on upland soils.

Management Comments:

1. Conversion to native prairie with maintained (mowed) soft trails for user access. This would present higher costs upfront but less intensive maintenance in the longer term. Along with this,

consider pocket enhancements throughout turf with a mid-height diverse native mix to help reduce fragmentation while maintaining the ability and ease to mow. These would typically be around 800 sq feet in size. Native trees could also be added to create a park-like savanna feel.

2. Hatched areas depicted in figure 12 indicate opportunities for shrub and tree planting, to minimize mowing maintenance.

Work Unit 7

Description: Short grasses on upland soils.

Option 1: Turf to prairie Management Comments:

1. Turf removal via herbicide and/or scalping will be necessary to complete prior to enhancement, for successful native establishment.
2. Drill seeding is recommended to achieve successful seed to soil contact.
3. Borders baseball/soccer field.
4. Conversion to prairie should occur in conjunction with addressing invasive brush removal in adjacent unit 9, to prevent buckthorn or other invasive species from migrating to the restored grassland.

Option 2: Mesic savanna re-canopy Management Comments:

1. If canopy connectivity is desired, low height flowering shrubs followed by shade tolerant phased understory seeding is recommended to enhance habitat connectivity to adjacent woodland.

Work Unit 12

Description: Turf grass immediately bordering residential properties to the northwest and woodland shoreline habitat to the southeast. Opportunity for enhancement is similar to work unit 11 option 2.

Management Comments:

1. This turf unit is maintained via mowing.
2. Turf removal via herbicide and/or scalping will be necessary to complete prior to enhancement, for successful native establishment. Drill seeding is recommended to achieve successful seed to soil contact.
3. Turf conversion to target restored ecosystem buffer is recommended to minimize mow maintenance, connect habitat for wildlife and pollinators, improve soil structure, increase water infiltration, and improve water quality by filtering runoff.
4. The use of cover crops after turf removal is recommended, followed by native tree and flowering shrub planting, and shade tolerant understory seeding.
5. Communication with adjacent property owners should be highly considered.

Target Ecosystem – Bee Lawn

Work Unit 11

Description: This unit is currently dominated by turf grass with more mature trees planted in rows flanking the area. This unit is less attractive as a prairie restoration due to the existing shaded canopy as well as the proximity to potential future parking lot construction. The parking lot on the southeastern end of the unit is anticipated to be reconstructed and reduced in upcoming years, which will result in bare, disturbed soil. To maintain space for passive recreation and prevent invasive establishment, diversity should be improved through broadcast seeding with low growing pollinator species. Restoring this unit as a demonstration bee lawn will provide an excellent education and outreach opportunity.

Management Comments:

1. The relatively small size of the area, beyond the drip line of the planted trees, makes for a transition to a native grassland challenging.
2. Bee lawn enhancement will create pollinator resources but maintain pedestrian use with minimal disturbance.
3. Recommended installation of at least three forb species, with associated relaxation of mowing intervals, especially during establishment. Mower deck height minimum of 4" is recommended for optimum results of flowering species.
4. Adjacent to the parking lot as you enter park, this unit may be a place to consider signage related to restoration and habitat enhancement.
5. Low mow fescue grasses can be introduced along with the bee lawn forbs for better drought tolerance, reduced mowing frequency, and a more rustic aesthetic.



Figure 13. Fall 2023 northwest facing view of Unit 11 (left of trail) and Unit 10 (right of trail) at Seasons Park, Woodbury MN.

3.c. Restoration Management Phasing & Cost Estimate Summary

Total management costs* were based on 5-year management plans. Total 5-year costs for all vegetation management are \$256,750. Cost estimation is based on current 2024 market rates, subcontracting all implementation and necessary oversight, and the assumption that all management units are implemented concurrently. Management unit nuances may influence cost totals and should be considered.

**All prices are estimates based on current market rates at the time of writing. Estimates do not factor in any state dollars being used to perform activities. Due to new language change in statute as of August 1, 2024, any natural resource related projects need to follow state prevailing wage requirements. This change in state statute language will have an increase in actual costs.*

Activity	Year 1	Year 2	Year 3	Year 4	Year 5	Applicable Management Units
Woody debris disposal	\$2,500					8
Chip and install on defined trails	\$3,000					8
Dead down woody disposal	\$22,500					1, 2
Hazard tree removal	\$31,000					1,2,3,4,8,10
Dethatch turf	\$3,300					6,7,11,12
Remove turf (spray/till/spray)	\$11,800					6,7,12
Interseed bee lawn forbs	\$5,700					6,7,11,12
Undesirable tree removal	\$6,500	\$8,000	\$1,600			3,8,10
Seed, Blanket, Cover Crop	\$19,500	\$4,500	\$4,000	\$2,000		2,6,7,10,12
Woody invasive control	\$23,600	\$5,600	\$2,050	\$500		1,2,3,4,8,9,10
Establishment maintenance	\$5,350.00	\$9,650	\$9,700	\$6,200	\$3,900	4,6,7,8,11,12
Herbaceous invasive control		\$1,800				8
Non-native grass removal		\$800				4
Woody follow up maintenance		\$1,200	\$1,000			8
Reed canary grass control		\$1,200	\$3,500	\$1,000		1
Plant native savanna trees		\$1,400	\$1,200	\$1,200	\$600	4
Understory seeding		\$8,500	\$3,600	\$4,100	\$1,800	1,3,4,8,9
Plant native pollinator shrubs			\$1,800			4
Reseeding			\$3,800			6,7
Shoreline buffer plantings			\$4,000	\$1,500	\$1,000	9
Planting of native trees and shrubs				\$16,000	\$1,800	1,8
Total	\$134,750	\$42,650	\$36,250	\$34,000	\$9,100	\$256,750

**SOUTH WASHINGTON
MANAGEMENT UNIT**

CCIP APPLICATION

CITY OF WOODBURY

**STORMWATER
MAINTENANCE**

\$100,000



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

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 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: \$ 720,000

CCIP Funding Requested: \$ 100,000

Other Funding Secured: \$ _____

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 2025-2026, 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.



Signature

03/05/25

Date

**LOWER ST. CROIX
MANAGEMENT UNIT**

CCIP APPLICATION

AFTON STATE PARK

UTV BRINE APPLICATOR

\$2,807



SOUTH WASHINGTON WATERSHED DISTRICT

Coordinated Capital Improvements Program (CCIP) 2025 Application Form

APPLICANT INFORMATION

LGU: MN DNR - Afton State Park

Name: Nick Bartels Title: NR Supv 3 - Park Supervisor

Address: 6959 Peller Ave S

City: Hastings State: MN Zip: 55033

Phone: (651) 201-6781 Email: nicholas.bartels@state.mn.us

PROJECT LOCATION

Description: UTV-mounted anti-ice brine applicator

Address: 6959 Peller Ave S

City: Hastings State: MN Zip: 55033

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

Primary Waterbody Affected: Trout Brook / St. Croix River

PROJECT BUDGET

Total Project Cost: \$ 5,614

CCIP Funding Requested: \$ 2,807

Other Funding Secured: \$ 2,807

Other Funding Sources: Afton SP Gift Account / MN DNR R3 Small Project

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 runoff within Afton State Park associated with current sand/salt applications along our main road and occasionally within parking lots and along trails/sidewalks.

Strategic brine applications for pre-treatment ahead of snowfall events would more effectively clear ice and snow from these areas, and would reduce the amount of sand/salt mix needing to be applied after a snowfall event.

Park staff would utilize training in MPCA's Smart Salting BMPs related to liquid and granular deicing methods to reduce total chloride loading as a result of the park's winter maintenance operations.

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

Afton currently utilizes sand/salt mix applications from a truck-mounted rotary spreader following snowfall events, with focus primarily on curves and sloped areas of the main roadway. Excess salt can then be carried into the ditches due to meltwater runoff and/or subsequent plowing activities, and eventually enter the main watersheds through runoff.

Brine applications prior to snow/ice events would allow for more precise applications, likely reducing the total chloride loading both through the higher effectiveness of the brine application itself, and through the reduction in the amount of sand/salt needing to be applied after the event; possibly allowing us to switch to straight road-salt as a more effective post-event application.

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

For an average snow/ice event, the park utilizes approximately 10 cu.ft. of sand/salt mix for road applications; which equates to roughly 160lbs of salt applied.

With the new brine system, we would expect to apply approximately 30gal of brine solution per event. Using the recommended salt/water ratio, this would equate to roughly 80lb of salt applied.

Follow-up spot treatment may be needed after the event, but brine application has the potential to reduce total chloride loading by up to 50% compared to current levels.

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

Applications will be conducted by park staff that have completed MPCA's Smart Salting certification/training for roads and parking lots/sidewalks.

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

Brine application has the potential to reduce total chloride loading by up to 50%


F. Describe the anticipated project implementation schedule:

Purchase brine application equipment summer of 2025, utilize equipment for the 2025/2026 snow season.

APPLICANT SIGNATURE

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

Nick Bartels

 Digitally signed by Nick Bartels
Date: 2025.02.20 09:05:52 -06'00'

Signature

Date



1130 73rd Avenue NE
 Fridley, MN 55432
 (763) 571-1902
 1-800-795-1902
 Fax # (763) 571-5091

Highway 60 East
 Lake Crystal, MN 56055
 (507) 726-6041
 1-800-722-0588
 Fax # (507) 726-2984

www.crysteeltruck.com

AN EQUAL OPPORTUNITY EMPLOYER

Date: 2/18/2025
 Company: MN DNR- Afton State Park
 Contact: Nick Bartels
 Phone#: 651-201-6781
 Email: nicholas.bartels@state.mn.us

Reference: Buyers and VSI UTV Anti-icing unit
 Address: 6959 Peller Ave S
 City: Hastings
 State: MN

Dealer	Chassis Estimated Delivery
Truck Make	CA or CT
Model Year	Transmission
Truck Model	Cab Color

REFERENCE: COOPERATIVE PURCHASE OF EQUIPMENT FROM STATE OF MINNESOTA

CONTRACT NO: 216663

RELEASE NO: T-763(5)

CONTRACT PERIOD: Expires January 30, 2026

EXTENSION OPTION: Up to 39 months

1-UNIT

STATE COOPERATIVE PRICING

QTY

Price Each

Extended

4.0 Sander Boss VSI				
1	4.17	Genesis 110E Liquid Deicer	\$4,914.00	\$4,914.00
1	4.17	Install of Genesis 110E Liquid Deicer	\$700.00	\$700.00

Total Package Price

\$5,614.00

QTY

Price Each

Extended

4.0 Sander Buyers				
1	4.17	Genesis 110E Liquid Deicer Buyers 6190120 ILO Genesis deicer w/ hand sprayer 3039076	\$3,826.00	\$3,826.00
1	4.17	Install of Buyers deicer	\$700.00	\$700.00

Total Package Price

\$4,526.00

PRICES SHOWN DO NOT INCLUDE ANY APPLICABLE TAXES OR FEES

Cost Per Loaded Mile for Delivery:

\$4.00

Starting Point:

Fridley, MN

*A WRITTEN PURCHASE ORDER MUST BE RETURNED SPECIFYING PURCHASE OF THIS EQUIPMENT OFF THE STATE OF MINNESOTA COOPERATIVE PURCHASE CONTRACT

**NO EXHAUST WORK INCLUDED FOR TRUCKS WITH NEW EMISSION CONTROL EXHAUST SYSTEMS. EXHAUST SYSTEMS CANNOT BE MODIFIED.

***ALL LABOR COSTS ARE BASED ON INSTALLING EQUIPMENT ON A TRUCK CHASSIS WITH ALL TRUCK ITEMS OUT OF THE WAY FOR EQUIPMENT INSTALLATION. IF CRYSTEEL HAS TO MOVE FUEL TANKS, AIR TANKS, AIR DRYER, ETC. EXTRA CHARGES MAY APPLY

Vendor Name:	Crysteel Truck Equipment-Fridley
Contact Person:	Mike Uecker
Street Address:	1130 73rd Ave NE
City, State, Zip:	Fridley, MN 55432
Phone #:	(763) 957-0771
Toll Free #:	(800) 795-1280
Fax #:	(763) 571-5091
Email Address:	muecker@crysteeltruck.com

Home / VSI Genesis Series

GENESIS SERIES 110E



Genesis 110E

Product Number: LIQ28812

★★★★★ No Reviews (BOSS Trustpilot Reviews)

Available VSI Genesis Series:

- Genesis 110E
- Genesis 305E
- Genesis 500E
- Genesis Sidewalk Slayer
- Genesis PBE

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PRODUCT SELECTOR

The Product Number shown for this item may be only one of several components needed for a complete product setup. To confirm additional component requirements, please visit the Product Selector Tool or consult with your local BOSS Dealer.

Product Details

The Genesis 110E is VSI's only UTV unit. This sprayer holds 110 gallons, is wired to the battery of the vehicle, and comes with a 48" spray bar. This sprayer includes a 50' spring rewind hose reel and cannot be equipped with an electric hose reel.

[Elevate Your Liquid IQ](#) - Discover the science behind liquid deicing, how it can positively impact your business, and the ways to incorporate it into your fleet.

Product Features

[View All Features](#) >

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Snow and ice contractors are making the switch to liquid deicing. Learn how using liquids can be a more effective solution for snow and ice control while also reducing costs for your business today.

Learn More >

50’ Spring Rewind Hose Reel

This compact hose reel provides a practical solution for hose management, offering a 50-foot length that allows for efficient reach and maneuverability. The spring rewind mechanism eliminates the need for manual hose retraction, simplifying the process and saving valuable time.

48” “Pile Driver” Boom

The 48” Pile Driver Boom design has undergone rigorous torture and field testing to ensure its durability and resilience against accidental impacts. Equipped with a robust, heavy-duty metal shroud, it is nearly impervious to damage, making it highly reliable. The boom features jet tips for effective post-treatment and broadcast tips for pretreatment applications.

Full Tube F

Loading and u made effortless front and side specially design risk of damage process. When front or sides, loaded in varic provide convey ensuring a sm experience wit potential plum

Specifications

Specifications	Genesis 110E	Genesis 305E	Genesis 500E	Genesis Sidewalk Slayer	Genesis PBE	Genesis Brine Buddy	Genesis Push Pal
Battery	N/A	N/A	N/A	N/A	N/A	N/A	Battery Included
Boom Type	48 in Single Lane Boom	Single Lane Boom	Single Lane Boom	N/A	Single Lane Boom	N/A	11 in Boom
Capacity	gal 110 / l 416	gal 305 / l 1155	gal 500 / l 1893	gal 200 / l 757	N/A	gal 280-300 / l 1060-1136	gal 5 / l 18.2
Construction	Powdercoat Mild Steel	Powdercoat Mild Steel	Powdercoat Mild Steel	Powdercoat Mild Steel	Powdercoat Mild Steel	Stainless Steel	Stainless Steel
Fuel	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Height	44 in / 111.76 cm	43 in / 109.22 cm	50 in / 127 cm	41 in / 104.14 cm	46 in / 116.84 cm	41 in / 104.14 cm	49 in / 124.46 cm
Hose Reel	50 ft (15 m) Rewind	50 ft (15 m) Rewind	50 ft (15 m) Rewind	50 ft (15 m) Rewind	50 ft (15 m) Rewind	N/A	N/A

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Specifications	Genesis 110E	Genesis 305E	Genesis 500E	Genesis Sidewalk Slayer	Genesis PBE	Genesis Brine Buddy	Genesis Push Pal
Weight Empty	290 lbs / 132 kg	633 lbs / 287 kg	853 lbs / 387 kg	502 lbs / 228 kg	314 lbs / 142 kg	300 lbs / 136 kg	65 lbs / 29.5 kg
Weight Full	1,454 lbs / 660 kg	3,774 lbs / 1,712 kg	6,003 lbs / 2,723 kg	2,562 lbs / 1,162 kg	N/A	3,100 lbs / 1,406 kg	115 lbs / 52 kg
Width	48 in / 121.92 cm	61 in / 154.94 cm	60 in / 152.40 cm	46 in / 116.84 cm	46 in / 116.84 cm	42 in / 106.68 cm	21 in / 53.34 cm

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Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 7
Title: SWWD Artist-in-Residence Contract	Board Action Requested: Approve SWWD Artist-in-Residence Contract	Required Signatures SWWD President
Reviewed by: MMM		Presented by: Tekiela
<p>Background/Justification: Staff published a request for qualifications for this program on January 8, 2025. Seven applications were received and considered by the review committee on March 24th. A unanimous decision was reached to offer the residency to Taylor Mills (see attached application materials). A contract has been drafted to engage with Ms. Mills as our artist-in-residence for 2025-2026.</p> <p>Staff recommends approval of the attached contract with Taylor Mills, authorizing the Administrator to approve any non-material changes on the advice of legal counsel.</p>		
Previous Action:		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date:
Financial Implications: \$ 9,000		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



SOUTH WASHINGTON WATERSHED DISTRICT

SOUTH WASHINGTON WATERSHED DISTRICT CONSULTANT SERVICES AGREEMENT

The following is an agreement between Taylor Mills ("CONTRACTOR") and SOUTH WASHINGTON WATERSHED DISTRICT ("DISTRICT").

1. Scope of Services

The CONTRACTOR shall provide the following base services or tasks as related to providing artistic services to the DISTRICT:

- a. Develop a work plan in collaboration with DISTRICT staff containing specific artistic outcomes for the residency term ("WORK PLAN"), to be approved in writing by DISTRICT staff; and,**
- b. Complete all tasks within the approved WORK PLAN during the residency term; and,**
- c. Develop a public artist statement describing the artistic vision or concept of the proposed work plan; and,**
- d. Attend and participate in at least 12 monthly meetings with SWWD staff to communicate project status updates, collaborate on artistic direction and ideas, and learn about upcoming activities of interest within the watershed; and,**
- e. Attend and participate in at least 4 public events as requested by DISTRICT, to interact with District stakeholders and area residents; and,**
- f. Assist DISTRICT staff with securing a suitable regional venue for one culminating exhibition of CONTRACTOR'S artwork created during the residency term; and,**
- g. Execute a licensing agreement acceptable to the DISTRICT for the DISTRICT'S future use of image and/or video products created during the residency, with proper artist crediting, in digital and printed promotions of SWWD's work and projects, including on SWWD's website.**

2. Time

The term of this agreement shall begin on May 1, 2025 and terminate on April 30, 2026, unless amended pursuant to Section 13.1 below.

3. Payment

Maximum total compensation for this agreement is \$9,000 to be paid in monthly installments according to the following schedule:

- \$750 for the residency's first month (May 2025) to be paid after execution of this agreement and DISTRICT approval of CONTRACTOR'S WORK PLAN; and,
- \$750 per each subsequent residency month to be paid upon satisfactory completion of each respective monthly meeting with DISTRICT staff (\$750 x 11 months = \$8,250).

Payments will be made within 35 days of receipt of an invoice and approval by the DISTRICT Board of Managers.

4. Copyright

The CONTRACTOR expressly reserves every right available to the CONTRACTOR in common law or under Federal Copyright Act and the Visual Artists Rights Act of 1990 (VARA) and retains copyright of any and all artwork created by CONTRACTOR in carrying out the scope of this agreement.

5. Independent Contractor Status

It is agreed that nothing contained in this Agreement is intended or should be construed as creating the relationship of agents, contractor, joint venturers, or associates between the parties hereto or as constituting CONTRACTOR as the employee of the DISTRICT for any purpose or in any manner whatsoever. The CONTRACTOR is an independent contractor and neither it, its employees, agents nor representatives are employees of the DISTRICT. From any amounts due the CONTRACTOR, there will be no deductions for federal income tax or FICA payments, nor for any state income tax, nor for any other purposes which are associated with an employer-employee relationship unless required by law. Payment of federal income tax, FICA payments, and state income tax are the responsibility of the CONTRACTOR.

6. Indemnification

CONTRACTOR shall indemnify, hold harmless and defend the DISTRICT, its officials, employees, and agents from any and all liability, loss, costs, damages, expenses, claims or actions, including attorney's fees, which the DISTRICT, its officials, employees, and agents may hereafter sustain, incur or be required to pay, arising out of or by reason of any negligent act or omission or breach of this Agreement.

7. Insurance

CONTRACTOR shall purchase and maintain such insurance as will protect the DISTRICT from claims which may arise out of or result from operations of the CONTRACTOR including but not limited to the following:

- a. General Liability. A minimum of \$1,000,000 per occurrence and \$2,000,000 aggregate.
- b. Auto Liability. State minimum.
- c. Workers Comp. Statutory.

The CONTRACTOR shall not commence work until the CONTRACTOR has obtained and filed an acceptable certificate of insurance with the DISTRICT.

8. Conflicts of Interest

CONTRACTOR shall disclose this Agreement and CONTRACTOR funding provided under this Agreement to any client of CONTRACTOR'S that may appear to constitute a conflict of interest. CONTRACTOR shall discuss with the DISTRICT any current or new obligations, which may directly conflict with the firm's ongoing work under its agreement for consulting services with DISTRICT as soon as it becomes aware of a conflict.

9. Audits and Record Keeping

CONTRACTOR shall maintain for at least six (6) years upon completion of services all books, records, documents and other evidence directly related to the performance of this Agreement in accordance with general accepted accounting principles and practices of governmental entities. Upon request and reasonable notice, CONTRACTOR shall permit the DISTRICT to examine and copy the books, records, documents, and other evidence maintained by CONTRACTOR.

10. Termination

DISTRICT and CONTRACTOR shall each have the right to terminate its participation in this agreement at any time without cause upon thirty (30) days written notice to the other party. In the event the DISTRICT terminates the agreement, the DISTRICT will pay the costs of the services satisfactorily performed prior to the date of termination, as determined by the DISTRICT. DISTRICT shall have the right to receive, use, and (subject to the provisions of the Minnesota Data Practices Act) distribute copies of all materials, work products, reports and documents prepared by CONTRACTOR, pursuant to the agreement with DISTRICT, if such

materials, work products, reports and documents were prepared prior to the termination of this Agreement.

11. Merger Agreement

It is understood and agreed that the entire Agreement between the Parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the Parties relating to the subject matter hereof. All items in this Agreement, which are incorporated or attached, are deemed part of the Agreement. Any alterations, variations, modifications or waivers of provisions of this Agreement shall only be valid when they have been reduced to writing as an amendment to this Agreement and signed by the Parties.

12. Governing Law

This Agreement shall be governed by and construed according to the laws of the State of Minnesota. Venue shall be in the state and federal courts of Minnesota.

13. Amendments, Waiver and Contract Complete

- a. Amendments. Any amendment to this agreement must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original agreement, or their successors in office.
- b. Waiver. If DISTRICT fails to enforce any provision of this agreement, that failure does not waive the provision or its right to enforce it.

14. Audit

Until the expiration of three years after the furnishing of services pursuant to this Agreement, the CONTRACTOR, upon written request, shall make available to the DISTRICT, the State Auditor, or the DISTRICT'S ultimate funding source, a copy of this Agreement, and the books, documents, records, and accounting procedures and practices of the CONTRACTOR relating to this Agreement.

15. Non-Discrimination

CONTRACTOR agrees that in the hiring of all labor for the performance of any work under this Agreement, that it will not by reason of race, creed, color, sex, national origin, sexual preference or disability, discriminate against any person who is a citizen of the United States and who qualifies and is available to perform the work to which such employment relates. CONTRACTOR agrees to comply with all Federal, State, and local non-discrimination laws and

ordinances, in particular the applicable provisions of the Civil Rights Act of 1964, as amended by the Equal Employment Opportunity Act of 1972.

16. Data Practices

All data collected, created, received, maintained or disseminated for any purposes in the course of the CONTRACTOR's performance of this Agreement is governed by the Minnesota Government Data Practices Act, Minn. Stat. 13.01 et seq. or any other applicable state statutes, any state rules adopted to implement the Act and statutes, as well as federal laws and regulations on data practices. The CONTRACTOR agrees to abide strictly by these statutes, rules and regulations.

17. Non-Assignability

The CONTRACTOR shall not assign any interest in this Agreement and shall not transfer any interest in the same, whether by subcontract, assignment or novation, without the prior written consent of the DISTRICT.

This agreement is duly executed this 8th day of April, 2025.

South Washington Watershed District

Taylor Mills

By: _____

By: _____

Its: _____

Dated: _____

Dated: _____

TAYLOR MILLS

DRONE PILOT

PERSONAL SUMMARY

I am an adventurous filmmaker driven by a passion for digital storytelling since childhood. In 2018, I flew my first drone and instantly fell in love. I take pride in weaving my technical skills with my cinematic background to craft an impactful narrative that resonates with the audience

HIGHLIGHTS

- 7+ years of drone flight experience
- 9+ years of cinematography experience
- 8+ years of photography experience
- Own Mavic Pro 2, Air 2s, Mini 3 Pro
- Over 100 hours of flight time
- Filmed drone footage in 10+ countries
- Sold dozens of prints worldwide

CREDENTIALS

University of Winnipeg

BA in Filmmaking | June, 2016

FAA Part 107

March, 2020

Minnesota Women in Film & TV

Board Member, 2024

CONTACT DETAILS

Website: tmillsfilms.com

Email: tmillsfilms@gmail.com

Phone Number: 651-278-7501

Instagram: @TMillsFilms

Youtube: T. Mills Films

WORK EXPERIENCE

Drone Pilot

UNHOLY COMMUNION | FEBRUARY 2024

- Feature film shot in Carver and St. Paul, Minnesota

Drone Pilot

MINNESOTA VIKINGS | DECEMBER 2024

- Filmed at practice facility for ESPN and marketing

Drone Pilot

THE EAGLE OBSESSION | OCTOBER 2023

- Documentary feature shot in Stillwater, Minnesota

Cinematographer and Drone Pilot

(RE)SOLVED - VICE MEDIA | 2022

- One woman crew capturing footage and audio for an episode on Prince
- Recorded drone footage in key areas including Paisley Park and Prince's Childhood home

Cinematographer and Drone Pilot

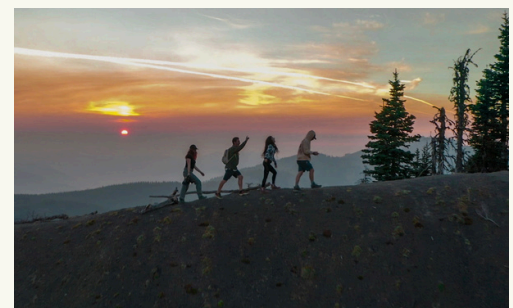
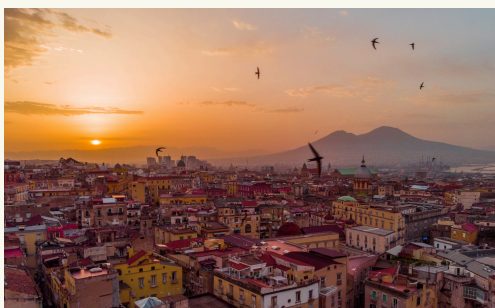
HANG TIME - SPORTSMAN CHANNEL | SEPT 20 - AUG 21

- Effectively operated camera, audio, lighting, DIT, and captured aerial footage for episodes in South Dakota, Minnesota, Florida, Texas, and Hawaii

Drone Pilot

VARIOUS PRODUCTIONS | JUNE 2018 - PRESENT

- Captured drone footage for numerous commercials and local businesses, a handful of short films and 5 music videos
- Utilized AirMap to plan flight routes and obtain necessary airspace authorizations
- Monitored weather conditions using NOAA Weather Apps to assess flight feasibility



Letter of Interest

Growing up in Forest Lake, I was lucky to be surrounded by beautiful scenery. I spent summers at my grandpa's cabin deep in the woods of Two Harbors and winters ice fishing with my dad on Clear Lake. We are so lucky to experience all four seasons in our state and I love capturing the different landscapes each month offers. Being to exhibit the different stages of our year for others to enjoy would be incredibly exciting and fulfilling.

I enjoy flying my drone in nature as a hobby as well as capturing content for paid opportunities, but I've never participated in a residency program. The opportunity to work alongside a group of fellow nature lovers to create art that showcases the vast beauty of Minnesota, and specifically the Washington Watershed District, would be a dream come true. It's important to me to work with organizations that align with my values and I've been blessed to collaborate with organizations like National Parks Foundation, Save the BWCA, American Heart Association, and City of Minneapolis, that are actively working towards a brighter future for all. SWWD fits perfectly within this thanks to your emphasis on sustainability, climate change, and education, and I would be lucky to collaborate with you all.

I have always been an out of the box thinker and I am lucky to have found a career that encourages that. My attention to detail and unique viewpoint will bring a large array of content to choose from and will be sure to keep things both interesting and eye-catching.

Though I enjoy planning out shoots, I often feel the most inspiration once my drone is in the air. The freedom that flight offers coupled with its bird's eye view is the perfect combination to create awe-inspiring content.

I believe I would be a great fit for this residency thanks to my love of nature, technical understanding of photo, video, and drone operating, and keen eye for unique framing.

I currently live at the A-Mill Artist Loft in Minneapolis, my phone number is 651-278-7501, my email is tmillsfilms@gmail.com, and my website is tmillsfilms.com. Thank you so much for considering me for this opportunity and regardless of whether I'm chosen or not, I am happy to know there are programs like this being funded to showcase our beautiful state.

Artist Statement

I discovered my love for cinematic storytelling at a very young age thanks to my dad, his VHS camera, and his amusement in documenting the world around us. At the age of seven, I picked up a camera and I haven't put it down since.

What first started as an obsessive hobby of bringing my point-and-shoot camera to junior high, quickly grew into a lifelong passion. This led me to the University of Winnipeg where I graduated in 2016 with my Bachelor of Arts in Filmmaking. I immediately started freelancing as a camera operator and for the last 7 years I have worked full-time at Star Studio, a television studio within the walls of Children's Minnesota. There, I create live and pre-recorded content for the patients and families that center on community, nature, education, and entertainment. I find great joy in creating videos that reflect our diverse community, natural surroundings, and inspiration for their future. It's important to me to pass on the unique gift of filmmaking to the next generation and I'm grateful to do that on a daily basis.

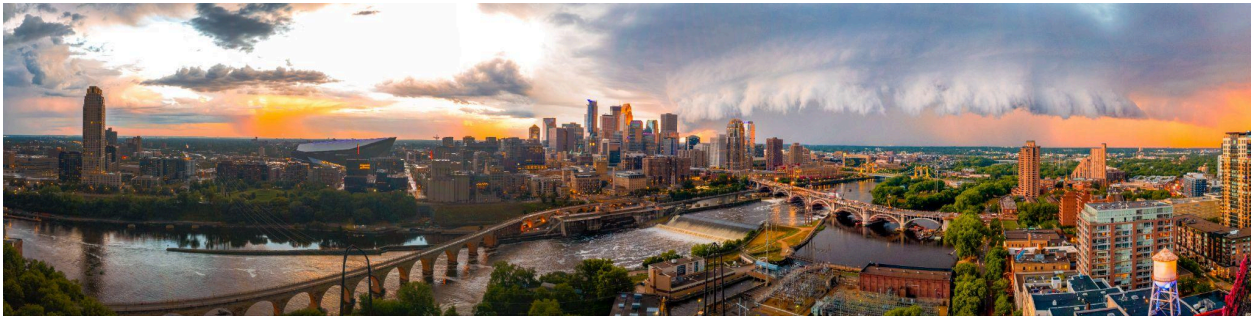
In 2018, I flew my first drone and in 2020, I obtained my Part 107. I take pride in being a part of the mere 8% of certified female drone pilots in the US. In 2024, I became a board member on Minnesota Women in Film and TV and I've made it my personal mission to inspire more women to pick up the controller and join the fleet. I find inspiration from the natural patterns within our environment. Whether it's the texture of diverse foliage, the various shades within water, or the shapes throughout different landscapes, I am drawn to mother nature's vast canvas.

Though working with a camera is constant, my work varies in many ways. I have photographed concerts, events, and weddings, I've produced live TV for Timberwolves, Running Aces, and the Children's Hospital, I've flown drones for the Vikings, VICE. and feature films, but what stays constant through all of these opportunities is my love for the authentic, spontaneous moments. The best bits in life are rarely planned and any time I'm able to capture a fleeting instance, it feels like a tiny miracle.

I use my camera to showcase the beauty of our world, the delicacy of life, and the resiliency within each of us to protect it.

Work Samples

1.



2.



3.



4.



5.



6.



7. <https://www.youtube.com/watch?v=rY51KH4jP4c>
8. <https://www.youtube.com/watch?v=dN280TDoxh4>
9. <https://www.youtube.com/shorts/1MjD3Si7jo4>
10. <https://www.youtube.com/watch?v=D2jEPJbUuxs>

IMAGE INVENTORY

1. "Calm Before The Storm" 2022, Panoramic Print, 25 x 92.5
2. "Icelandic Ice" 2023, Panoramic Print, 25 x 92.5
3. "Full Moon at the Iron Range" 2023, Print, 24 x 36
4. "Cherry Blossoms Blood Moon" 2022, Print 24 x 36
5. "Patterns of Portugal" 2022, Print, 24 x 36
6. "National Park Foundation: ASL Day on the River" 2022, Digital

(Videos are connected through Youtube URL and are included in Drive link sent in email)

7. "2020 - Through the Eyes of a Drone" edited 2022, Video
8. "Fall Bike Ride" 2023, Video
9. "Grandpas Hideaway" 2023, 9x16 video
10. "Dolphin Day" 2022, Video



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 8
Title: Wilmes Lake Alum Treatment Facility Public Art Selection	Board Action Requested: Approve Public Art Contract	Required Signatures None
Reviewed by: JHL		Presented by: Axtell
<p>Background/Justification: Staff have completed an RFP process to select an artist for a public art installation at the Wilmes Lake Alum Treatment Facility. After a thorough review of eight qualified applicants that included SWWD and Woodbury staff as well as SWWD CAC and Board members, the review subcommittee recommended Nipinet Landsem to complete this project, and the CAC affirmed that recommendation at its meeting on March 25.</p> <p>Please see the attached memo and Landsem's application materials for more information. Staff recommends approval of the attached contract with Nipinet Landsem, authorizing the Administrator to approve any non-material changes on advice of legal counsel.</p>		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$ 15,000		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



Memo

To: SWWD Board of Managers
From: Kyle Axtell, Watershed Project Manager
Date: April 2, 2025
Re: Proposed Public Art at Wilmes Lake Alum Treatment Facility

Background

A subcommittee consisting of CAC members, one Board member, and Woodbury and SWWD staff met on February 24, 2025 to review the top applicants to our RFP for public art at Wilmes Lake. Of 24 total applications, 8 were scored by a wider range of reviewers, resulting in 5 finalists being considered during the subcommittee meeting.

The subcommittee recommended moving forward with Nipinet Landsem, a Minneapolis-based muralist and tattoo artist. This recommendation was affirmed by the SWWD Citizen Advisory Committee on March 25, 2025. Landsem's proposal was the second-highest score overall and was viewed by the committee as very strong. The artist draws from their indigenous roots and provided the only proposal to directly reflect on SWWD's geographic area, our major rivers, and history. Other applicants tended to focus on wildlife representation (sometimes accurate to the area and sometimes not) and/or general environmental education themes. Staff does expect to work with the artist on some relatively minor adjustments to the proposal, such as location of rivers and species selection, before the work is finalized and put into production.

Landsem's proposal is included for review, although personal information and professional references have been omitted and/or redacted.

Rank Score Artist

1	54.3	Jessica Turtle
2	52.8	Nipinet Landsem – Selected by Subcommittee
3	51.4	Erika Danner
4	50.3	Cadex Herrera
5	50.0	Jessica Night

Dear South Washington Watershed District staff, Citizen Advisory Committee, and Board,

I am writing to express my interest in creating public art at the Wilmes Lake Alum Treatment Facility. My name is Nipinet Landsem and I am an Ojibwe multidisciplinary artist (Turtle Mountain Band of Chippewa descendant and Manitoba Métis Federation citizen) living in Minneapolis, and I was excited to see this request for proposals– I am a muralist, tattoo artist, and illustrator, and much of my work involves water and our relationship to it as part of a larger network that includes plants, animals, and humans. As an Ojibwe artist, our connections to our natural resources are deeply important to me, and I view water as more of a relative than a resource to be used. I believe this is the perfect opportunity to expand on this vision and illustrate the connections between us and our water in mural form.

In 2022, I was the Madison Metropolitan Sewerage District's inaugural artist and educator in residence for their One Water catalytic project. The goal of this residency was to bring the community together and "make the invisible visible", or make the connections between our drinking water, wastewater, and the rivers, lakes, and streams around us into something that the community of Madison could see and interact with, and thereby learn how to be better stewards of a resource that is not actually renewable. The approach I took was community based: I held events focused on different aspects of connection to water– such as the Indigenous experience, the effect water contamination has on generations, food sovereignty and agricultural relationships to watersheds, and the global connectedness of water– where the community could come together and share, learn, and discuss, and then I created art pieces from the community input received at each of these events. I ended up with four illustrations, two zines, and several videos created over the course of a year. Since then, I have also created five murals, one of which is in Washington County, and most of which have been created with community or staff input. Two of the murals I've created are outdoor pieces designed to withstand Minnesota and Wisconsin weather, two are indoor murals, and one is an indoor mural painted on a floor. Each of these used different techniques, and I'm well experienced in determining the best approach for each site.

This project is exactly in line with my interests in water, ecological conservation, and public education as a function of art. I grew up in Washington County– on the border of Lake Elmo and Mahtomedi– and have a long relationship with both the St. Croix and the Mississippi, which I currently live only a few blocks from in North Minneapolis. I'm deeply interested in our relationships with wetlands and how we can bring Indigenous knowledge and presence to green spaces and conservation work. Woodbury is located on Dakota land, on the site of a previous Dakota village, but both the Mississippi and the St. Croix are important rivers to the Ojibwe and to my family. Please consider me to create a mural at Wilmes Lake.

I look forward to hearing back from you!

Nipinet Landsem

Nipinet Landsem

Professional Experience

2024-present - Tattoo artist and owner, ishkode
2020-present - Tattoo artist and owner, Red Clover Tattoo Collective, Madison, WI. USA
2024 - Tattoo artist, Iktomi Tattoo, Minneapolis, MN. USA
2022-present - Concept artist, Metawe Games, Edmonton, AB. CAN
2023-2024 - Tattoo artist, Cozy Camp Collective, St. Paul, MN. USA
2017-2020 - Tattoo Artist, Art and Soul Tattoo and Gallery, New Glarus, WI. USA

Residencies

2025 - Cellar Press Printmaking Artist in Residence, The Grand, New Ulm, MN. USA
2022 - Artist and Educator in Residence, Madison Metropolitan Sewerage District, Madison WI. USA

Published Work

2024 - La rivyer oschi la mer ishi, cover. NAIS. University of Minnesota Press. MN, USA
2024 - Handbook Cover, Anti-Racism and Regenerative Agriculture Cohort, MN, USA.
2024 - Cover, Fractured Magic, USA.
2023 - Amplification//Adaptation, Artist. Indiginerds. Iron Circus Comics. Chicago, IL USA
2022 - Plant Kin as Community Care, Queer Herbal Zine. Montreal, QC, CAN.
2021-2022 - Path of Ice, Artist. Coyote & Crow: Stories of the Free Lands. Seattle, WA USA
2021-2022 - We have always been here exhibit, Wisconsin Historical Society. USA
2021 - Blood on the Boughs, Artist. A Howl: A Comic Anthology of Wolves, Werewolves, and Rougarou. Native Realities Press, Carrborough, NC USA

Gallery Shows

2025 - Waabigwaanikaa, AICHO Powless Gallery. Duluth, MN.
2024 - All Art Tells a Story, F-O-K Studios. St Paul, MN. USA
2023 - Indigenous Artists of the Upper Midwest, Marzen Gallery. Madison, WI. USA
2023 - Water, Crossman Gallery. Whitewater, WI. USA

Murals

2025 - Manitoba waterways, mural. Manitoba Pediatric Hospital, CAN.
2024 - Florals, mural. Bad River Band of Lake Superior Chippewa, USA.
2024 - 825 Arts Mural, finalist. 825 Arts, USA.
2024 - Outreach, mural. Aliveness Project, USA.
2024 - Jibayaatigo-ziibi, mural. Artreach St. Croix, USA
2023 - Verona Area High School GSA, mural. Dane Arts Mural Arts, USA
2022-2023 - Indigenous Community Response to COVID, mural. Dane Arts Mural Arts, USA.

Advisory Work

2024 - Cultural Expression Grant Selection Panelist, Minnesota State Arts Board, Minneapolis, MN.
USA 2024 - PFund Foundation Loan Program Listening Session, Minneapolis MN. USA
2022 - Artist Residency Selection Panelist, Madison Metropolitan Sewerage District, Madison WI. USA
2022 - Two Spirit Sundance Community Listening Session for Two Spirit Manitoba

2021 - Indigenous Traditional Tattooing focus group for Mel Levebre, Concordia University
2021 - Tar Sands Pipeline Toolkit review for Madison 350 Tar Sands Team
2021 - "Resolution In Support of Clean Water and Treaty Rights" for Madison Common Council

Events

Panelist, "Gitotitonaan (Talking Amongst Ourselves): A Queer Michif Conversation about Gender in our Languages", Mawachihitotaak Métis Studies Symposium, 2024.
Speaker, NCAIS Spring Methods Workshop: Indigenous Place-Based (Hi)Stories and Research, 2024.
Speaker, "WHS Exhibit", Northeast Wisconsin Technical College, 2023.
Invited Artist, Onewater Summit, US Water Alliance, 2022.
Host, "Water Protection," Madison Metropolitan Sewerage District, November 2022.
Host, "Water Protection" Focus Group, Madison Metropolitan Sewerage District, November 2022.
Host, "Water in Agriculture," Madison Metropolitan Sewerage District, September 2022.
Host, "Water in Agriculture" Focus Group, Madison Metropolitan Sewerage District, September 2022.
Host, "Global Water" Discussion, Madison Metropolitan Sewerage District, July 2022.
Host, "Water and Motherhood" Discussion, Madison Metropolitan Sewerage District, May 2022.
Speaker, MMIR Awareness, May 2022.
Panelist, "Archival Reflections", Friends of the UW Madison Library, April 2022.
Host, "Water as Community" Focus group, Madison Metropolitan Sewerage District, April 2022.
Host, "Water as Community, Water as Kin," Madison Metropolitan Sewerage District, March 2022.
Host, "Indigenous Thrival Skills," Madison Public Library Takeover, Spring 2022.
Panelist, "Tattooing as Connection to Culture and Place," Midwest Bisexual Gay Lesbian Transgender Asexual College Conference. October 2021.
Speaker, "Land acknowledgement," University of Wisconsin Madison. September 2021.
Panelist, "Decolonizing Tattooing History," Girl Scouts of America. January 2021.

Awards and Interviews

The Indigenous Artists Creating Work in Solidarity with Palestine, Interviewed by Molly Lipson for Hyperallergic. May 27th, 2024.
This local artist draws from tradition to create bold, graphic tattoos, Interviewed by Anna Kottakis for Madison Magazine. May 20th, 2024
Tattooing Accessibly and Collaboratively, Interviewed by Jilip Nagler for Our Lives Madison. March 1st, 2024.
Interviewed by Steven S Miller and Rae Senarighi for a portrait series. February 27th, 2024.
<https://transpainter.com/nipinet>
Why is Madison a hub for race fraud? Interviewed by Rodlyn-Mae Banting and Jenny Fiero for Tone Madison. January 3rd, 2024.
Common Ground with... Nipinet Landsem, Interviewed by Joseph Prestley for Madison Commons. May 18, 2022.
WORT 89.9 FM 8 O'Clock Buzz Interview, March 28th 2022.
Sewerage District tries a new way to promote clean water - with an artist. Interviewed by Gayle Worland for Wisconsin State Journal. March 13, 2022.
Outreach LGBTQ+ Community Center Trans Activist of the Year. October 2021.
Resolution in Support of Clean Water and Treaty Rights, press conference. July 2021.
Supply Chain wields art in the pursuit of social justice. Interviewed by Elizabeth Marie Lang Oreamuno for Tone Madison. April 13, 2021.

Certifications

MN Licensed Tattoo Artist, WI Licensed Tattoo Artist, Bloodborne Pathogens, First Aid, CPR

Vision Statement

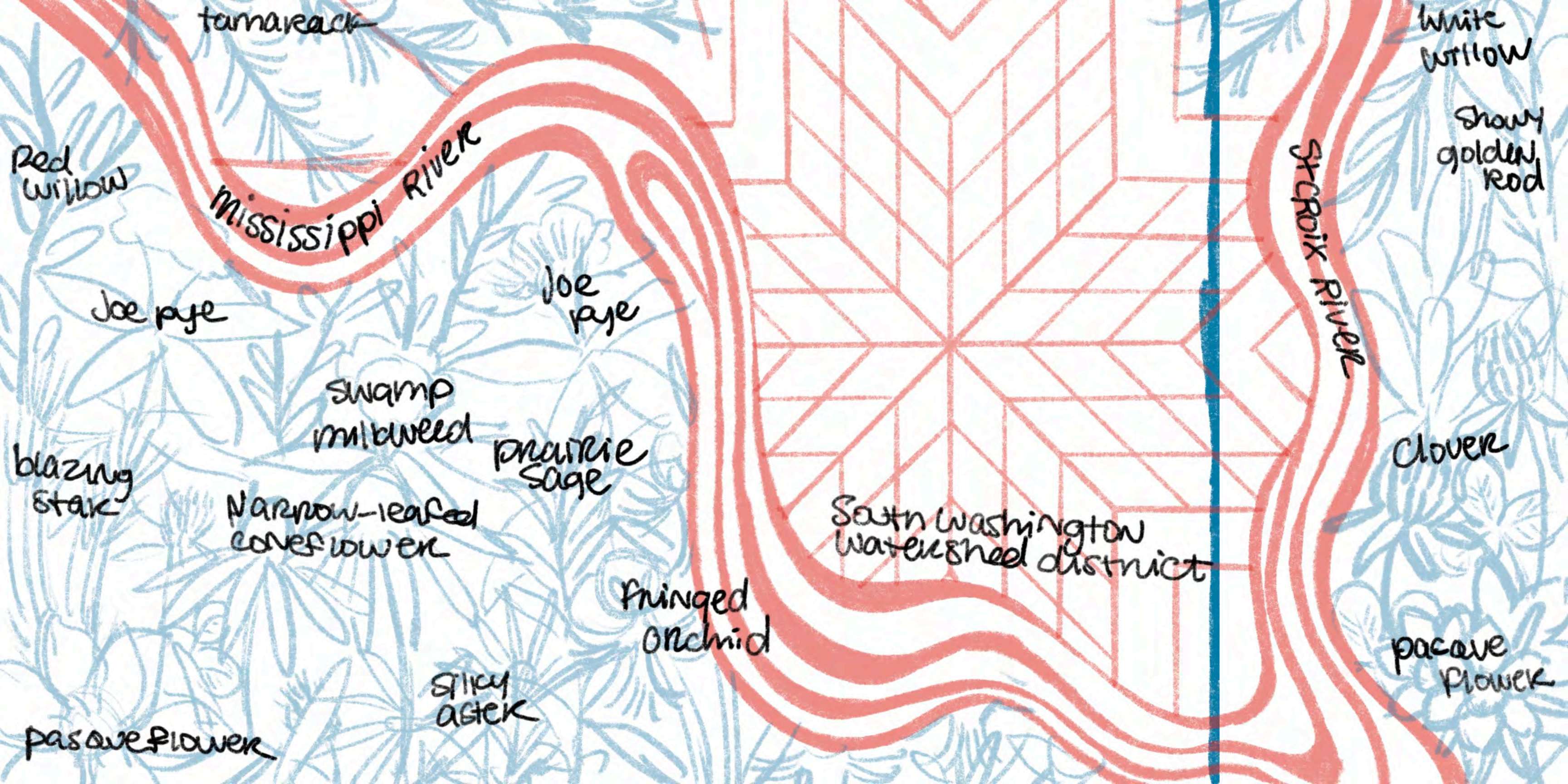
For this mural, I plan to create a piece focusing on the shape and movement of the Mississippi and the St Croix as they join and create the South Washington Watershed District, framed by a star quilt design and prairie and wetland plants and medicines. My approach to public art takes into account the location of the installation and site-specific needs; the historical, ecological, and cultural context of the piece and the area in which it will be installed; and the community who will be interacting with the art I create every day.

In terms of site-specific requirements for the Wilmes Lake area, I plan to paint this mural on polytab. This means it will not be painted directly on the site surface, but rather painted in my studio on primed mural fabric and then installed with acrylic gel. It can then be sealed with durable, weather-proof sealant and withstand Minnesota heat, humidity, storms, and snow. Polytab is easy to fix and patch should the mural be damaged, and, should the District decide it no longer wants the mural in place, it is easy to remove.

In terms of historical, ecological, and cultural context, it is important to me to highlight the continued Indigenous presence in the area, as well as the relationships we have with land and water. The throughline of the mural will be the flow of the Mississippi and the St. Croix, creating the borders of the South Washington Watershed District with their movement. These rivers will be surrounded with native plants and a star quilt design. The star quilt is a motif that my tribe, the Turtle Mountain Band of Chippewa, the Dakota, the Lakota, and the Ojibwe of Minnesota all have in common. Star quilts are given to honor accomplishments or momentous occasions and are difficult to make, requiring precision and care. Like all quilts, they're made up of many parts— each piece of the quilt top, but also the batting, the binding, the backing, and the quilt stitch itself. I think they are a perfect metaphor for communities, ecosystems, and relationships. I want to use this motif to highlight the continued presence of Dakota and Ojibwe peoples in the Woodbury area. I also looked into the ecosystems present in the South Washington Watershed District and chose a variety of plants native to the local biomes, including plants that grew here historically but currently don't, like wild rice. I focused on the tamarack bog, wet and dry prairie, and oak savanna for this piece, and included these plants to represent them: red willow, tamarack, white willow, blazing star, virginia mountain mint, goldenrod, milkweed, joe pye weed, the western prairie fringed orchid, pasque flower, coneflower, and silky asters— however, if staff or Board members are interested in including any specific plants that are not listed, I can easily swap them out to make sure the mural reflects the District's vision. In terms of community connection, this piece will speak to all visitors to the area as a reminder of Indigenous presence, but also as a way to uplift the ecosystems we have and the future we want. Passersby will be able to identify plants from the surrounding area on the mural itself, creating a link between art and nature, and Indigenous visitors will see themselves reflected and honored in a space we have long been pushed out of.

All of this connects to the proposed theme of water movement and watershed connectivity proposed by the District, but also to the theme of ecosystem restoration: wild rice doesn't grow here now, but historically it did— through restoration, it can again. I looked at both the current and historical maps of ecosystems in order to choose the plant relatives that I did. This mural will highlight the cultural context of the area, the local plants that need clean water to grow, and a bright potential future.





tamarack

Red
Willow

Mississippi River

Joe pye

Swamp
milkweed

Prairie
Sage

Narrow-leaved
coneflower

Fringed
orchid

Sticky
aster

Pasque flower

White
Willow


Showy
golden
rod

St. Croix River

Clover

Pasque
flower

South Washington
Watershed district



A hand-drawn architectural plan of a room. The walls are decorated with floral wallpaper. A central area is defined by a red geometric pattern. A red wavy line separates the central area from the right wall. A blue vertical line runs through the right wall. The text 'main 14x9 wall' is written in the bottom left, and 'additional 4x9 wall' is written in the top right.

main 14x9
wall

additional
4x9 wall

Image Inventory List

Landsem 1

Title: Outreach Community

Year: 2024

Medium: Vector illustration on vinyl

Dimensions: 8'x12'

Brief description: Mural created to be printed on vinyl for the Aliveness Project in Minneapolis, MN, depicting the community served by the Outreach team at Aliveness.

Landsem 2

Title: Jiibayaanigo-ziibi

Year: 2024

Medium: Exterior mural

Dimensions: 14'x9'

Brief description: Mural painted directly on exterior wall of American Gothic Antiques in Stillwater, MN, depicting the Ojibwe name of the St Croix river surrounded by Ojibwe florals.

Landsem 3

Title: Indigenous Community Response to COVID

Year: 2023

Medium: Exterior mural on polytab

Dimensions: 8'x8'

Brief description: Mural painted on polytab and installed on an exterior wall of Commonwealth Development in Madison, WI, depicting six Indigenous women wearing masks.

Landsem 4

Title: Water as Community, Water as Kin

Year: 2022

Medium: Digital illustration

Dimensions: 11"x17"

Brief description: Digital illustration created with drawing and collage depicting the interconnectedness of Indigenous peoples and water.

Landsem 5

Title: Antikoni

Year: 2024

Medium: Digital illustration

Dimensions: 12"x12"

Brief description: Digital illustration for premiere of Antikoni by Beth Piatote with Native Voices at the Autry Museum of the American West.

Landsem 6

Title: Community Foods

Year: 2021

Medium: Digital illustration

Dimensions: 8"x10"

Brief description: Digital illustration and collage depicting the hands of Indigenous peoples around Madison WI and their connection to their traditional foods.









Substance Detected (units)	Maximum Detected Concentration (MDC) (MCL)	Median Level Found	Range of Results	Violation (Yes/No)	Wells with Detections	Typical Source of Substance
Regulated Substances						
Arsenic (ppb)	zero	10	nd - 0.1	NO	Thirteen Wells	Erosion of natural deposits; Glass & electronics production
Atrazine (ppb)	3	3	0.03	NO	Wells 14 and 29	Runoff from herbicide used on row crops
Barium (ppb)	2000	2000	20	7.2 - 64	All Wells	Erosion of natural deposits; Discharge from metal refineries
Chromium, Total (ppb)	100	100	non-detect	nd - 2.2	6, 9, 11, 13, 14, 16, 20, 25	Erosion of natural deposits; Discharge from steel and pulp mills
1,2-Dichloroethylene, cis (ppb)	70	70	non-detect	nd - 0.1	Well 11	Discharge from industrial chemical factories; Biodegradation
Ethylbenzene (ppb)	700	700	non-detect	nd - 0.1	Well 9	Discharge from petroleum refineries
Fluoride (ppm)	4	4	nd - 0.1	NO	All Wells	Erosion of natural deposits; Added to promote strong teeth
Nickel (ppb)	n/a	n/a	nd - 0.1	NO	Fifteen Wells	Erosion of natural deposits; Electroplating, stainless steel
Nitrate (ppm)	10	10	nd - 0.1	NO	Fifteen Wells	Fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Selenium (ppb)	10	10	nd - 0.1	NO	13, 14, 25, 29	Erosion of natural deposits; Pulp and metal refineries
Tetrachloroethylene (PCE) (ppb)	10	10	nd - 0.1	NO	11, 14, 18	Discharge from dry cleaning and auto shops
Thallium (ppb)	1	1	nd - 0.1	NO	19, 27	Discharge from chemical and drug factories
Xylene, Total (ppb)	10	10	nd - 0.1	NO	9	Discharge from petroleum refineries
Other Substances						
Radionuclides						
Gross Alpha (pCi/L)	5	5	nd - 0.1	NO	All Wells	Erosion of natural deposits
Radium-226+228 (pCi/L)	5	5	nd - 0.1	NO	All Wells	Erosion of natural deposits
Gross Beta (pCi/L)	5	5	nd - 0.1	NO	All Wells	Erosion of natural deposits
Uranium (ppm)	30	30	nd - 0.1	NO	All Wells	Erosion of natural deposits
Disinfection By-Products						
Halooacetic Acids (HAA5) (ppm)	60	1.6	nd - 0.1	NO	All Wells	Erosion of natural deposits
Halooacetonitriles (HANs) (ppb)	10	10	nd - 0.1	NO	All Wells	Erosion of natural deposits
Total Trihalomethanes (TTHMs) (ppm)	4.6	4.6	nd - 0.1	NO	All Wells	Erosion of natural deposits
Unregulated Substances						
Bromide (ppb) - Sulfate	15.2	15.2	nd - 0.1	NO	All Wells	Erosion of natural deposits
Chromium, Hexavalent (ppb)	10	10	nd - 0.1	NO	6, 9, 11, 13, 14, 16, 20, 25	Erosion of natural deposits; Discharge from steel and pulp mills
1,4-Dioxane (ppb)	10	10	nd - 0.1	NO	11 sampled	Discharge from chemical factories
Metolachlor (ppb)	10	10	nd - 0.1	NO	14	Runoff from herbicide used on row crops
PFOAs/PFOS (ppb)	10	10	nd - 0.1	NO	11	Firefighting foam; Discharge from chemical factories
Strontium (ppb)	87	52	nd - 0.1	NO	All Wells	Erosion of natural deposits
Trichlorofluoromethane	10	10	nd - 0.1	NO	All Wells	Discharge from chemical factories
Other Substances						
Chloride (ppm)	1.5 - 160	1.5 - 160	nd - 0.1	NO	All Wells	Erosion of natural deposits; Salt application
Iron (ppm)	0.01 - 0.46	0.01 - 0.46	nd - 0.1	NO	All Wells	Erosion of natural deposits
Manganese (ppm)	0.01 - 0.46	0.01 - 0.46	nd - 0.1	NO	All Wells	Erosion of natural deposits
Sodium (ppm)	0.01 - 0.46	0.01 - 0.46	nd - 0.1	NO	All Wells	Erosion of natural deposits
Sulfate (ppm)	0.01 - 0.46	0.01 - 0.46	nd - 0.1	NO	All Wells	Erosion of natural deposits



ANTÍKONI

by Beth Piatote





SOUTH WASHINGTON WATERSHED DISTRICT

SOUTH WASHINGTON WATERSHED DISTRICT CONSULTANT SERVICES AGREEMENT WILMES LAKE ALUM TREATMENT FACILITY PUBLIC ART

The following is an agreement between NIPINET LANDSEM ("CONTRACTOR") and SOUTH WASHINGTON WATERSHED DISTRICT ("DISTRICT").

1. Scope of Services

The CONTRACTOR shall provide the following base services or tasks related to the development of a public art installation for the Wilmes Lake Alum Treatment Facility in Woodbury, MN:

- **MURAL FABRICATION** – The CONTRACTOR shall provide all materials and labor required for fabrication, transportation and installation of one (1) mural (the "Mural") that has had its final concept approved in writing by the DISTRICT. A preliminary concept can be found at Exhibit A to this Agreement which will serve as the basis for development of the final concept. The CONTRACTOR may make minor changes to the approved final concept that is structurally or aesthetically necessary. Any non-minor change in scope, design, color, size, texture, material, detail, imagery or content that substantively alters the approved final concept or affects installation, scheduling, site preparation, or maintenance of the finished Mural shall require the prior review and approval of the DISTRICT.
- **MURAL MOUNTS** – The CONTRACTOR shall work with the DISTRICT to develop a suitable mounting system and/or hardware for the Mural. Costs to purchase, fabricate and install the mounting system and/or hardware are not included in this Agreement and will be the responsibility of the DISTRICT.
- **DISTRICT REVIEW** – The CONTRACTOR shall provide monthly reports and/or deliverables to DISTRICT in a manner acceptable to DISTRICT and shall be available to meet with DISTRICT to review progress. Meetings shall be scheduled at reasonable times that are convenient for and agreed to by both DISTRICT and CONTRACTOR.

2. Time

One (1) completed Mural consistent with the approved final concept shall be installed at Wilmes Lake Alum Treatment Facility in Woodbury, MN by no later than December 31, 2025.

3. Payment

In exchange for the CONTRACTOR'S faithful performance of this Agreement, the DISTRICT agrees to compensate CONTRACTOR in an amount not to exceed \$15,000. The CONTRACTOR shall invoice the DISTRICT and payments will be made within 35 days of receipt of an invoice and approval by the DISTRICT Board of Managers. Compensation shall be paid to the CONTRACTOR by the DISTRICT in installments according to the following schedule:

- \$2,000 upon execution of this Agreement;
- \$3,000 upon DISTRICT approval in writing of final concept; and,
- \$10,000 upon installation of the completed Mural at Wilmes Lake Alum Treatment Facility in Woodbury, MN.

4. Ownership and Reproduction Rights

Except as set forth in this Section 4, the CONTRACTOR expressly reserves every right available to the CONTRACTOR under the Federal Copyright Act and the Visual Artists Rights Act of 1990 (VARA) and retains copyright of any and all artworks created under this Agreement. Title of the completed Mural created under this Agreement shall pass to the DISTRICT upon installation.

Waiver of Rights Under the VARA. The CONTRACTOR understands and agrees that, as to CONTRACTOR'S rights in the artworks created under this Agreement, the provisions of this Agreement shall supersede the provisions of the VARA, 17 U.S.C. §§106A and 113(d), as amended, and that execution of this Agreement by the CONTRACTOR shall constitute a waiver by the CONTRACTOR of certain rights otherwise available to the CONTRACTOR under the VARA, as permitted in 17 U.S.C. §106A(e). The CONTRACTOR understands that, despite the DISTRICT'S intent not to intentionally damage, alter, or modify the Mural without prior written notice to CONTRACTOR, the DISTRICT, in its sole discretion, may perform maintenance and/or removal of the Mural, and CONTRACTOR acknowledges that such maintenance or removal may subject the Mural to destruction, distortion, mutilation, or other modification. Notwithstanding the foregoing, the DISTRICT has the absolute right to change, modify, destroy, remove, relocate, move, replace, repair, or restore the Mural without notice to CONTRACTOR.

The CONTRACTOR grants to the DISTRICT and its assigns an irrevocable, perpetual, and transferable license to make two-dimensional and digital reproductions of the Mural for non-commercial purposes, in the sole discretion of the DISTRICT and its assigns, including but not limited to reproductions used in advertising brochures, media publicity, and catalogues or other similar publications. All reproductions by the DISTRICT shall contain a credit to the CONTRACTOR and a copyright notice substantially in the following form: © Nipinet Landsem, 2025.

The CONTRACTOR agrees that the Mural and services performed under this Agreement shall comply with all laws, rules, regulations and codes of the United States and the State of Minnesota. CONTRACTOR agrees that the work and the Mural will not utilize any protected patent, trademark, trade secret or copyright in performance of work under this Agreement unless CONTRACTOR has obtained proper permission and all releases and other necessary documents evidencing appropriate permission. CONTRACTOR agrees to indemnify, defend, and hold harmless the DISTRICT, its officers and employees from any and all claims, damages, suits, costs, expenses, liabilities, actions or proceedings of any kind resulting from the performance of services under this Agreement which infringes upon any patent, trademark or copyright of a third party.

5. Independent Contractor Status

It is agreed that nothing contained in this Agreement is intended or should be construed as creating the relationship of agents, contractor, joint venturers, or associates between the parties hereto or as constituting CONTRACTOR as the employee of the DISTRICT for any purpose or in any manner whatsoever. The CONTRACTOR is an independent contractor and neither it, its employees, agents nor representatives are employees of the DISTRICT. From any amounts due the CONTRACTOR, there will be no deductions for federal income tax or FICA payments, nor for any state income tax, nor for any other purposes which are associated with an employer-employee relationship unless required by law. Payment of federal income tax, FICA payments, and state income tax are the responsibility of the CONTRACTOR.

6. Indemnification

CONTRACTOR shall indemnify, hold harmless and defend the DISTRICT, its officials, employees, and agents from any and all liability, loss, costs, damages, expenses, claims or actions, including attorney's fees, which the DISTRICT, its officials, employees, and agents may hereafter sustain, incur or be required to pay, arising out of or by reason of any negligent act or omission or breach of this Agreement.

7. Insurance

CONTRACTOR shall purchase and maintain such insurance as will protect the DISTRICT and the City of Woodbury from claims which may arise out of or result from operations of the CONTRACTOR including but not limited to the following:

- General Liability – A minimum of \$1,000,000 per occurrence and \$2,000,000 aggregate.
- Auto Liability – State minimum.
- Workers Comp – Statutory.

The CONTRACTOR shall not commence work until the CONTRACTOR has obtained and filed an acceptable certificate of insurance with the DISTRICT.

8. Conflicts of Interest

CONTRACTOR shall disclose this Agreement and CONTRACTOR funding provided under this Agreement to any client of CONTRACTOR'S that may appear to constitute a conflict of interest. CONTRACTOR shall discuss with the DISTRICT any current or new obligations, which may directly conflict with the firm's ongoing work under its agreement for consulting services with DISTRICT as soon as it becomes aware of a conflict.

9. Audits and Record Keeping

CONTRACTOR shall maintain for at least six (6) years upon completion of services all books, records, documents and other evidence directly related to the performance of this Agreement in accordance with general accepted accounting principles and practices of governmental entities. Upon request and reasonable notice, CONTRACTOR shall permit the

DISTRICT to examine and copy the books, records, documents, and other evidence maintained by CONTRACTOR.

10. Termination

DISTRICT and CONTRACTOR shall each have the right to terminate its participation in this agreement at any time without cause upon thirty (30) days written notice to the other party. In the event the DISTRICT terminates the agreement, the CONTRACTOR shall take all actions necessary to discontinue further commitments of funds to the extent that they relate to the terminated portions of this Agreement, the CONTRACTOR shall deliver to the District the Mural, whether complete or incomplete, and any materials purchased for the Mural in whatever form it exists at the time of termination which shall then become the property of the DISTRICT for use without restriction, except that it shall not be represented to be the completed work of the CONTRACTOR, and the DISTRICT will pay the costs of the services satisfactorily performed prior to the date of termination, as determined by the DISTRICT. DISTRICT shall have the right to receive, use, and (subject to the provisions of the Minnesota Data Practices Act) distribute copies of all materials, work products, reports and documents prepared by CONTRACTOR, pursuant to the agreement with DISTRICT, if such materials, work products, reports and documents were prepared prior to the termination of this Agreement.

11. Merger Agreement

It is understood and agreed that the entire Agreement between the Parties is contained herein and that this Agreement supersedes all oral agreements and negotiations between the Parties relating to the subject matter hereof. All items in this Agreement, which are incorporated or attached, are deemed part of the Agreement. Any alterations, variations, modifications or waivers of provisions of this Agreement shall only be valid when they have been reduced to writing as an amendment to this Agreement and signed by the Parties.

12. Governing Law

This Agreement shall be governed by and construed according to the laws of the State of Minnesota. Venue shall be in the state and federal courts of Minnesota.

13. Amendments, Waiver and Contract Complete

Any amendment to this agreement must be in writing and will not be effective until it has been executed and approved by the same parties who executed and approved the original agreement, or their successors in office. If DISTRICT fails to enforce any provision of this agreement, that failure does not waive the provision or its right to enforce it.

14. Audit

Until the expiration of three years after the furnishing of services pursuant to this Agreement, the CONTRACTOR, upon written request, shall make available to the DISTRICT, the State Auditor, or the DISTRICT'S ultimate finding source, a copy of this Agreement, and

the books, documents, records, and accounting procedures and practices of the CONTRACTOR relating to the Agreement.

15. Non-Discrimination

CONTRACTOR agrees that in the hiring of all labor for the performance of any work under this Agreement, that it will not by reason of race, creed, color, sex, national origin, sexual preference or disability, discriminate against any person who is a citizen of the United States and who qualifies and is available to perform the work to which such employment relates. CONTRACTOR agrees to comply with all Federal, State, and local non-discrimination laws and ordinances, in particular the applicable provisions of the Civil Rights Act of 1964, as amended by the Equal Employment Opportunity Act of 1972.

16. Data Practices

All data collected, created, received, maintained or disseminated for any purposes in the course of the CONTRACTOR'S performance of this Agreement is governed by the Minnesota Government Data Practices Act, Minn. Stat. 13.01 et seq. or any other applicable state statutes, any state rules adopted to implement the Act and statutes, as well as Federal laws and regulations on data practices. The CONTRACTOR agrees to abide strictly by these statutes, rules and regulations. The work products produced under this Agreement will be the sole property of the DISTRICT and shall not be used by the CONTRACTOR for any purpose other than the performance of this Agreement or as authorized in writing by the DISTRICT. Use of a brief (e.g. less than one printed page) general description of the work and associated graphics as examples of CONTRACTOR'S work for marketing purposes is acceptable.

17. Non-Assignability

The CONTRACTOR shall not assign any interest in this Agreement and shall not transfer any interest in the same, whether by subcontract, assignment or novation, without the prior written consent of the DISTRICT.

This Agreement is duly executed and effective this 8th day of April, 2025.

South Washington Watershed District

Nipinet Landsem

By: _____

By: _____

Its: _____

Dated: _____

Dated: _____



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 9
Title: 2024 Annual Report	Board Action Requested: Accept the 2024 Annual Report and Authorize Submittal to Required State Agencies	Required Signatures None
Reviewed by: JHL		Presented by: Imse
Background/Justification: The draft 2024 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 2024 Financial Audit will be completed for the May Board meeting for approval. The audit will be included in the Annual Report. Staff are requesting the Board accept the 2024 Annual Report and authorize submittal to the required State Agencies.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 10
Title: Water Efficiency Program Support	Board Action Requested: Approve the 2025 Water Efficiency Program Agreements with the Cities of Cottage Grove and Woodbury	Required Signatures SWWD President
Reviewed by: JHL		Presented by: Loomis
Background/Justification: The City of Woodbury is expanding an ongoing incentive program to address water conservation through smart irrigation by expanding the program into eight additional areas to fund systems that use “WaterSense” labeled devices (see attached materials for more information). Woodbury’s funding request for this program remains flat at \$25,000. The City of Woodbury is requesting \$25,000 for the 2025 Residential Irrigation Controller program. In 2024 the city distributed 163 irrigation controllers of which 154 went to homes in the SWWD. The City of Cottage Grove is also continuing their smart irrigation controller program in 2025. They are requesting \$25,000 to support their program. In 2024, Cottage Grove distributed 61 discounted controllers to its residents. Attached are the two requests for program funding for water conservation efforts by providing smart irrigation controllers and other “WaterSense” devices to residents at a reduced cost. The SWWD has supported these efforts over numerous years. Staff are recommending approval of the agreements at the requested levels.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: Up to \$50,000 total (\$25,000 each City)		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



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

March 18th, 2025

John Loomis
Deputy Administrator
South Washington Watershed District
2301 Tower Drive
Woodbury, MN 55125

Dear Mr. Loomis,

In 2024 the City of Woodbury (city), with support from the South Washington Watershed District (SWWD), continued the Residential Irrigation Controller Program. This program purchased and distributed 163 WaterSense certified controllers to single-family homes with existing irrigation systems. Controllers were purchased for \$144.99 per unit for an eight-zone system, and \$145.99 for a sixteen-zone system, plus a \$10 shipping charge per controller. The price for both system sizes continued to be \$35 for homeowners.

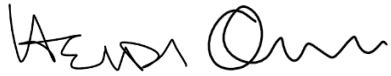
SWWD provided \$25,000 in grant funding in 2024 that was utilized to purchase controllers. The remainder of the program was funded through the City's Water and Sewer Utility Fund. City staff solicited participants, collected fees, answered questions, and conducted troubleshooting for controller issues. Participants have been added to our annual monitoring efforts. Of the 163 controllers distributed in 2024, 154 went to homes within SWWD (attachment 1). In total, \$24,053.46 was spent on controllers that were installed within SWWD. With this letter the city is submitting a request for \$12,026.73 reimbursement (attachment 2).

The city evaluated the Residential Irrigation Controller Program from 2016-2021 and found that each upgraded controller saves an average of 24,000 gallons per year and 50,000 gallons per year during drought years. Due to changing weather patterns and below average annual precipitation in the last three years, staff estimate that the upgraded controls save approximately 30,000 gallons each year per household. Since the program start in 2016, 4,115 controllers have been distributed throughout the city, saving more than 123 million gallons of water annually. The water saved will remain in the aquifer, lessening the demand in the North and East Metro Groundwater Management Area identified by the Minnesota Department of Natural Resources.

Following the evaluation of existing water efficiency programs, an implementation plan for future water efficiency programs and policies was written based on a cost-benefit model analysis and feedback from a community questionnaire. The Woodbury Water Wise Implementation Plan (WWWIP) identified eight water efficiency programs for the Woodbury City Council to consider implementing through 2030 (attachment 3). The city plans to continue the Residential Irrigation Controller Program again in 2025, as well as, other programs identified in the WWWWIP, and requests \$25,000 from SWWD to support the city's water efficiency programming.

The city looks forward to continuing our partnership with the SWWD and to collaborating on future incentives.

Sincerely,

A handwritten signature in black ink, appearing to read "Heidi Quinn". The signature is fluid and cursive, with the first name "Heidi" written in a larger, more prominent script than the last name "Quinn".

Heidi Quinn
Environmental Resources Specialist

Attachments:

Attachment 1 - Residential Irrigation Controllers 2024 in SWWD

Attachment 2 – 2024 Request for Reimbursement

Attachment 3 – Woodbury Water Wise Implementation Plan – Executive Summary

THIS WATER WISE IMPLEMENTATION PROGRAM COST PARTICIPATION AGREEMENT, dated _____, 2025, is by and between South Washington Watershed District, a political subdivision of the State of Minnesota, (hereinafter 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 management of the groundwater resources in southern Washington County.
- B. The City and SWWD have been included in the Minnesota Department of Natural Resources North & East Groundwater Management Area (N&EGWMA).
- C. The N&EGWMA extends beyond the municipal boundary of the City and the SWWD.
- D. A key element of the N&EGWMA plan is groundwater conservation.
- E. The City manages its water supply system to provide adequate supply for many users.
- F. The City and SWWD have partnered on several water conservation efforts in the past.
- G. The City has established the Woodbury Water Resource Policy Statement and Strategies, adopted March 26, 2014, the Water Efficiency Incentive Program Council Directive, adopted November 9, 2016, and the Woodbury Water Wise Implementation Plan.
- H. The SWWD has established a goal in the SWWD Watershed Management Plan to "Implement conservation efforts to ensure long term viability of groundwater resources in South Washington County," adopted October 1, 2016.
- I. The Washington County draft Groundwater Plan 2025-2035 establishes the following goals: that groundwater is safe to drink, that groundwater is plentiful to support human needs and a thriving natural environment, that people who live and work in Washington County understand the importance of groundwater and adopt practices and behaviors that conserve and protect groundwater, and that groundwater management is coordinated, efficient, and effective.
- J. The City and SWWD desire to pursue innovative means to achieve greater groundwater conservation using smart technology and WaterSense labeled devices developed for residential, commercial and municipal indoor and outdoor systems.

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. **Program Implementation.** The City will implement water efficiency programming (the "Programs") as approved by the Woodbury City Council. Residential Irrigation Controller Program as approved by Woodbury City Council November 29, 2017 and The Toilet Replacement Rebate Program as approved by Woodbury City Council August 14, 2024. Implementation includes, outreach to residents, verification of installation and monitoring water use and savings.

- B. Funding. The City will provide funding in the amount of \$25,000 to the Programs and administer grant funds provided by the SWWD, maintained in a separate fund for the sole purpose of the Programs. SWWD funds may only be used for systems within the SWWD boundary.

II. South Washington Watershed District RESPONSIBILITIES:

- A. Funding. The SWWD will provide funding in the amount of \$25,000 in 2025, toward the Programs for the sole purpose of the program, administered by the City. The SWWD will provide payment of the funds to the City upon receipt of invoice from the City for the amount due. SWWD funds may only be used for systems within the SWWD boundary.
- B. Schedule. The SWWD will participate in the program on an as needed basis as determined by the City and SWWD.

III. MISCELLANEOUS:

- A. Term of Agreement. The term of this Agreement shall be one (1) year commencing on the Effective Date.
- 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 each of their own performance of this agreement. Any and all personnel, contractors 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. Effective Date. This agreement will be effective as of the date all of the signatures required below have been provided. The date of the last required signature will be the date of this agreement and will be inserted in the first paragraph on page 1.
- G. 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 as set forth herein.

- H. 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
- I. 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.
- J. 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
- K. Headings. Any titles of the several paragraphs of the Agreement are inserted for convenience of reference only and shall be disregarded in construing or interpreting any of its provisions.
- L. 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 Administrator
2303 Tower Drive
Woodbury, MN 55125

City of Woodbury
Heidi Quinn
Environmental Resources Specialist
8301 Valley Creek Road
Woodbury, MN 55125

- M. 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.
- N. 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.

CITY OF WOODBURY

Anne W. Burt Mayor	Date
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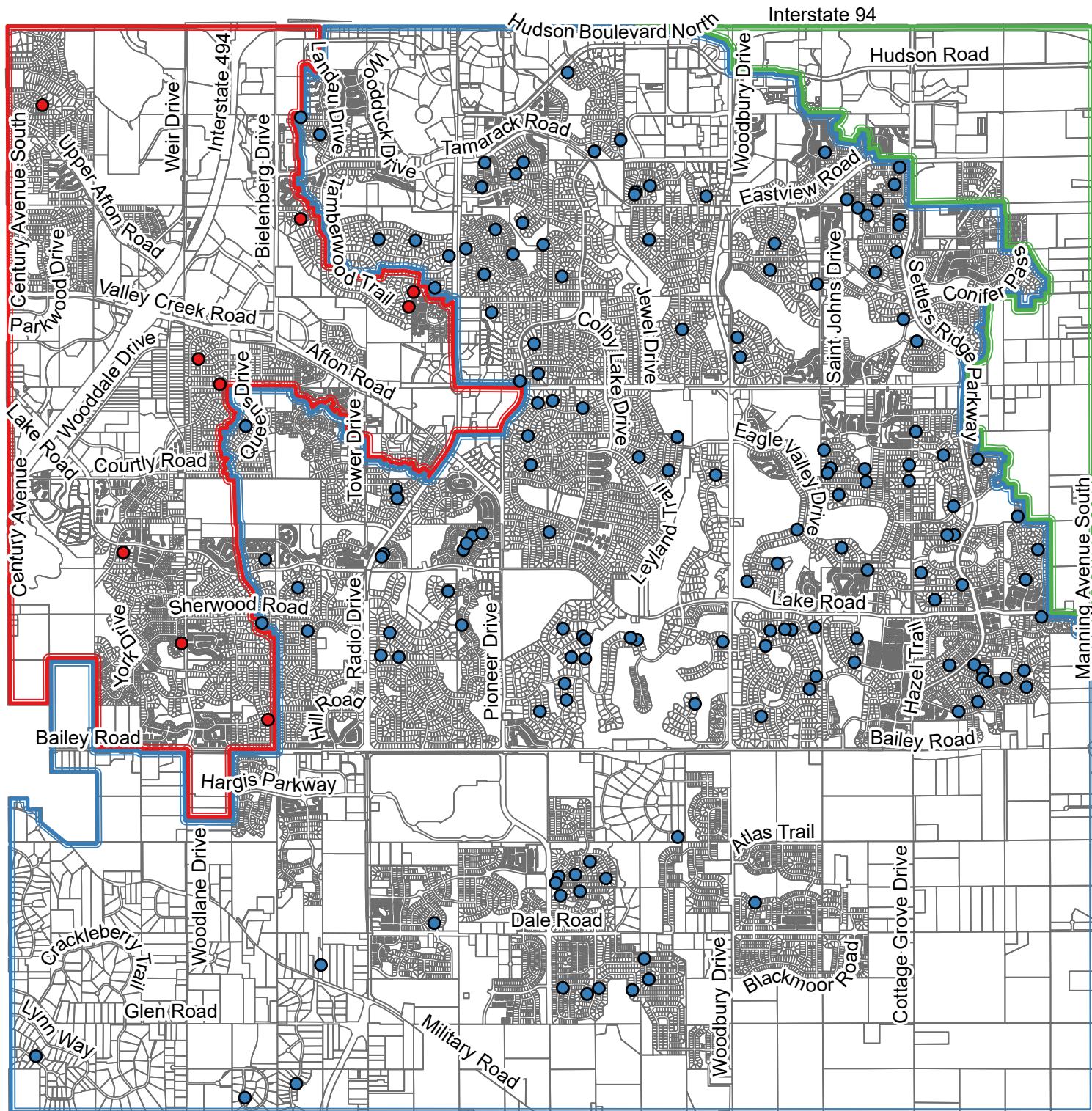
**SOUTH WASHINGTON WATERSHED
DISTRICT**

Sharon Doucette, President South Washington Watershed District	Date
---	------

Clinton P. Gridley City Administrator	Date
--	------

Approved as to form:

/s/Christina Benson 4/3/2025
Woodbury City Attorney Date



Irrigation Controllers Purchased in 2024

Irrigation Controllers

- RWMWD (9)
- SWWD (154)

Watershed Districts

- RAMSEY WASHINGTON
- SOUTH WASHINGTON

- VB



Accounts Receivable
8301 Valley Creek Road
Woodbury, MN 55125
(651) 714-3537

Invoice

CUSTOMER	INVOICE DATE	INVOICE NUMBER			AMOUNT PAID	DUE DATE	INVOICE TOTAL DUE
SO WASH CO WATERSHED	12/31/2024	703			\$0.00	01/30/2025	\$12,026.73
DESCRIPTION	QUANTITY	PRICE	UOM	ORIGINAL BILL	ADJUSTED	PAID	AMOUNT DUE
Miscellaneous Charge 2024 Residential Irrigation Controller Program	1.00	\$12026.730000	EACH	\$12,026.73	\$0.00	\$0.00	\$12,026.73
Invoice Total:							\$12,026.73

PLEASE PAY WITHIN 30 DAYS OF INVOICE DATE



Accounts Receivable
8301 Valley Creek Road
Woodbury, MN 55125
(651) 714-3537

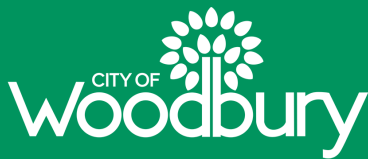
✂ DETACH AND RETURN THE PORTION BELOW WITH YOUR PAYMENT ✂

Invoice
Remit Portion

Invoice Date	12/31/2024
Invoice Number	703
Customer Number	19600
Amount Paid	
Due Date	01/30/2025
Invoice Total Due	\$12,026.73

SO WASH CO WATERSHED
Attn:
2302 Tower Dr
Woodbury, MN 55125

Please write your Invoice Number on your check and enclose this
portion of the bill with your payment. Make checks payable to:
City of Woodbury



Woodbury Water Wise Implementation Plan Summary

The City of Woodbury recognizes the significance of natural resources in maintaining a high quality of life for its residents and adopts a proactive approach to protect and manage these resources sustainably. As the city solely depends on groundwater for its potable water supply, the protection and efficient use of this resource is of utmost importance. The city's goals around quantity and quality include providing abundant, safe drinking water for current and future generations of residents by protecting and managing groundwater. We recognize that this must also meet all state and federal standards and guidelines, including PFAS, chloride and lead. To achieve this goal, the city has adopted a policy to strive toward flat total annual water usage through 2030 and a policy to create and implement water efficiency programming.

Woodbury is a growing community and has committed to increasing efficiency of water use while adding residential and commercial properties within its borders. This has been done by piloting and formalizing numerous water efficiency programs including lawn watering restrictions, the Commercial/Homeowners Association Cost Share Program (2017-2021 & 2024-2028), the Residential Irrigation Controller Program (2018-2028), the Multifamily Toilet Replacement Pilot Program (2020-2022), the Toilet Replacement Rebate Pilot Program (2022-2024 & 2024-2026), the MN GreenCorps Home Water Audit Pilot Program (2023-2024), and encourages stormwater reuse for irrigation in new developments when feasible.

In 2021, staff analyzed the city's water efficiency programs. The analysis reviewed previous efficiency efforts and created an informational graphic to reflect the progress made. With this information, an implementation plan for future water efficiency programs and policies was written based on a cost-benefit model analysis and feedback from a community questionnaire, summary of results attached.

The Woodbury Water Wise Implementation Plan (WWWIP) identified eight water efficiency programs for the Woodbury City Council to consider implementing through 2030:

- Continuation of the Residential Smart Irrigation Program
- Reinstatement of a revised Commercial/HOA Cost Share Program
- Creation of a Pressure Regulated Sprinkler Head Program
- Creation of a Water Softener Optimization Program
- Creation of a Low Water Use Landscaping Program
- Creation of a Lawn Dormancy Education Program
- Continuation of Stormwater Reuse for Irrigation in Development Projects
- Continuation of the High Efficiency Toilet Replacement Rebate Program

Implementation of the programs identified in the WWWIP will require additional staff and resource allocation. The city will continue to create partnerships in the community and seek grant funding when applicable. Most recently, the city has been awarded funding from the Legislative-Citizen Commission on Minnesota Resources Environment and Natural Resources Trust Fund grant (2024-2026) to pilot a Pressure Regulated Sprinkler Head Program and a Water Softener Optimization Program. Funding has also been received by the South Washington Watershed District to supplement the Residential Smart Irrigation Controller Program and from the Metropolitan Council for the Toilet Replacement Program(s). Staff will continue to make recommendations to the Woodbury City Council to authorize water efficiency programs over the proposed implementation period.

Staggered implementation of the recommended water efficiency programs through 2030 has the potential to result in an estimated accumulated water savings of 282 million gallons per year.

March 26, 2025

John Loomis
SWWD Administrator
2302 Tower Drive
Woodbury, MN 55125

RE: 2025 Cottage Grove Smart Irrigation Controller Program

Dear John,

The City of Cottage Grove requests that the SWWD enter into a Cooperative Agreement with the City for the funding of the 2025 Residential Irrigation Controller Program. The City and the SWWD have a mutual interest in the management of the groundwater resources in southern Washington County. Smart irrigation controllers reduce residential watering volume as well as spread the word about water conservation.

In 2024, the City purchased 90 Rachio 3 Smart Controllers and sold them to residents for \$35.00. At the start of the program in 2024, we had 110 8-zone and 29 16-zone controllers. A total of 61 controllers were sold. Sales of the controllers have been less brisk in 2023 and 2024.

In 2025 the City would like to purchase 22 controllers: 16 8-zone and 6 16-zone Rachio 3 controllers. We have 78 controllers remaining from last year so with this purchase we will start out the year with 100 in stock. We plan to advertise the controllers regularly on social media and in our monthly newsletter as we have in the past. We will keep the resale price at \$35.00. The cost to purchase the controllers will not exceed \$4,000.

We ask that the SWWD again support Cottage Grove's efforts to promote water efficiency. A Cooperative Agreement for the 2025 Smart Irrigation Controller Program in Cottage Grove is attached. Please sign and return.

Let me know if you have any questions.

Thank you,



Joe Fox
651-458-2826
joefox@cottagegrovemn.gov

SOUTH WASHINGTON WATERSHED DISTRICT – CITY OF COTTAGE GROVE
RESIDENTIAL IRRIGATION CONTROLLER PROGRAM
COOPERATIVE AGREEMENT

THIS AGREEMENT, by and between the South Washington Watershed District, a political subdivision of the State of Minnesota, herein after referred to as the “SWWD”, and the City of Cottage Grove, a political subdivision of the State of Minnesota, hereinafter referred to as the “City.” Hereinafter, SWWD and City shall collectively be referred to as the “Parties.”

RESIDENTIAL IRRIGATION CONTROLLER PROGRAM COST PARTICIPATION AGREEMENT (“Agreement”), dated _____, 2025, between South Washington Watershed District, 2302 Tower Drive, Woodbury, MN 55125, and the City of Cottage Grove, 12800 Ravine Parkway South, Cottage Grove, MN 55016.

RECITALS

- A. The City and SWWD have a mutual interest in the management of the groundwater resources in southern Washington County.
- B. The City and SWWD have been included in the Minnesota Department of Natural Resources North & East Groundwater Management Area (N&EGWMA).
- C. The N&EGWMA extends beyond the municipal boundary of the City and the SWWD.
- D. A key element of the N&EGWMA plan is groundwater conservation.
- E. The City manages its water supply system to provide adequate supply for many users.
- F. The City and SWWD have partnered on several water conservation efforts in the past.
- G. The City adopted the Cottage Grove Water Conservation Plan on November 2, 2016, and the City adopted water conservation based policy through new conservation based water rates on December 20, 2017, and updated on December 19, 2018.
- H. The SWWD has established a goal in the SWWD Watershed Management Plan to “implement conservation efforts to ensure long term viability of groundwater resources in South Washington County,” adopted October 1, 2016.
- I. The Washington County groundwater plan establishes a goal to “manage the quality and quantity of groundwater in Washington County to protect health and ensure sufficient supplies of clean water to support human uses and natural ecosystems,” adopted September 23, 2014.
- J. The City and SWWD desire to pursue innovative means to achieve greater groundwater conservation using smart technology developed for residential, commercial, and municipal irrigation systems.
- K. The City and SWWD desire to pursue public outreach and educational opportunities to further inform the community of best water use practices, water conservation and water efficient landscapes.

SOUTH WASHINGTON WATERSHED DISTRICT – CITY OF COTTAGE GROVE
RESIDENTIAL IRRIGATION CONTROLLER PROGRAM
COOPERATIVE AGREEMENT

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 Cottage Grove RESPONSIBILITIES:

- A. Program Implementation. The City will implement a residential irrigation controller program by obtaining smart irrigation controllers, advertise its residential irrigation controller program to residents in its newsletter, on its website, and on its social media platforms; sell the smart irrigation controllers at a reduced price to City residents; verify installation as needed; and after distribution and installation of the controllers, the City will monitor water use and savings.
- B. Funding. The City will receive grant funding from the SWWD for the sole purpose of implementing and maintaining the City's Residential Irrigation Controller Program. Funding received from the SWWD may only be used for irrigation systems within the City and SWWD boundary and must be maintained in a separate fund.
- C. Schedule. The City will seek participation in the City's Residential Irrigation Controller Program from residents within the City and the SWWD boundaries.

II. South Washington Watershed District RESPONSIBILITIES:

- A. Funding. The SWWD will provide funding to the City in the amount of \$25,000 during the term of this Agreement toward the City's implementation and administration of its Residential Irrigation Controller Program. The SWWD will provide payment of the funds to the City upon SWWD's receipt of an invoice from the City for the amount due. SWWD funds may only be used for residential irrigation controller systems within the SWWD boundary.
- B. Schedule. The SWWD will participate in the implementation and administration of the City's Residential Irrigation Controller Program on an as needed basis as determined by the City and SWWD.

III. MISCELLANEOUS:

- A. 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.
- B. 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 for any purpose.
- C. 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

SOUTH WASHINGTON WATERSHED DISTRICT – CITY OF COTTAGE GROVE
RESIDENTIAL IRRIGATION CONTROLLER PROGRAM
COOPERATIVE AGREEMENT

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. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of SWWD and City, they shall be borne by each party in proportion to its own negligence.

- D. 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. Any such waiver shall not affect the waiving party's rights with respect to any other or further breach. City's use of contracted services to meet its obligations under this contract shall not be construed to be an assignment.
- E. Term. The term of this Agreement shall commence on the date written in the second paragraph of this Agreement and shall continue until December 31, 2025. This Agreement will be effective as of the date all of the signatures required below have been provided.
- F. 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.
- G. Records. 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 Agreement and invoice transactions relating to this Agreement.
- H. Termination.
- a. Termination by Either Party. This Agreement may be terminated by either party upon thirty (30) days' written notice delivered to the other party to the addresses listed in the second paragraph of this Agreement. Upon termination under this provision, if there is no default by the City, City shall be reimbursed for any expenses incurred in the implementation or administration of the City's Residential Irrigation Controller Program until the effective date of termination.
 - b. Termination Due to Default. This Agreement may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement. The non-performing party shall have fifteen (15) calendar days from the date of the termination notice to cure or to submit a plan for cure that is acceptable to the other party.

SOUTH WASHINGTON WATERSHED DISTRICT – CITY OF COTTAGE GROVE
RESIDENTIAL IRRIGATION CONTROLLER PROGRAM
COOPERATIVE AGREEMENT

- I. Governing Law. This Agreement shall be construed in accordance with the laws of the State of Minnesota and any action must be venued in Washington County District Court.
- J. Severability. If any term of this Agreement is found to be void or invalid, such invalidity shall not affect the remaining terms of this Agreement, which shall continue in full force and effect.
- K. Entire Agreement. This Agreement constitutes the entire agreement of the Parties and supersedes all prior communications, understandings and agreements relating to the subject matter hereof, whether oral or written.

[The remainder of this page is intentionally left blank]



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 11
Title: City of Woodbury Hasenbank Agreement Amendment	Board Action Requested: Approve City of Woodbury Hasenbank Agreement Amendment 2025-40-1460	Required Signatures SWWD President
Reviewed by: JHL		Presented by: Loomis
Background/Justification: Attached is agreement 2025-40-1460 with the City of Woodbury for Hasenbank Park. The agreement is an amendment to approved agreement 2023-40-1460. The amendment is needed to shift SWWD funds to shoreline restoration versus the construction of a trail. Staff recommends approval. Here's the redlined version: D. Funding. SWWD will complete all Project construction and site restoration at its own cost. After acceptance of the Project by the City in writing and commencement of the City's operation and maintenance of the Project, SWWD will, within thirty (30) days of receipt, reimburse the City for invoiced costs associated with operation and maintenance of the Project, including but not limited to staff costs, material costs, replacement costs, insurance costs, and disposal costs, for as long as the facility is in operation. The invoice will contain detailed summaries of all costs submitted for reimbursement and billed on a quarterly basis. SWWD will provide up to \$400,000 to support construction of a trail within the Powers Lake riparian area to be constructed as part of a future City project. shoreline restoration projects as outlined in the System-Wide Natural Resources Management Plan E. Permitting. The City and SWWD will each serve as permit applicant, either independently or jointly as appropriate, and cooperate on the submittal of any and all permit applications required for construction and operation of the Project. F. Maintenance. The City and SWWD will each serve as permit applicant, either independently or jointly as appropriate, and cooperate on the submittal of any and all permit applications required for construction and operation of the Project.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund:	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments

South Washington Watershed District

SOUTH WASHINGTON WATERSHED DISTRICT - CITY OF WOODBURY
HASENBANK STORMWATER PARK
COOPERATIVE AGREEMENT
Project#: 11-2023-01

THIS HASENBANK STORMWATER PARK COOPERATIVE AGREEMENT, dated April 31, 2025, 2025, is by and between the South Washington Watershed District, a political subdivision of the State of Minnesota (hereinafter 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 management of the water resources in southern Washington County, within the City, and specifically in Powers Lake.
- B. The City operates a Municipal Separate Storm Sewer System ("MS4") which includes natural and constructed features throughout the City, including storm sewer pipe connecting Fish Lake to Powers, adjacent to the Hasenbank Stormwater Park.
- C. The City and SWWD have collaborated on development of the Hasenbank Stormwater Park to benefit Powers Lake under previous agreement number 2022-40-923. A construction plan set for the Project is attached to this agreement and incorporated herein as **Exhibit A**. An operations and maintenance plan for the Project is attached to this agreement and incorporated herein as **Exhibit B**.
- D. The City and SWWD have successfully partnered on several water resources efforts in the past.
- E. The City desires to offer its expertise in facility ownership, operation, and maintenance for the purpose of improving water quality in Powers Lake and providing passive recreational opportunities at Hasenbank Stormwater Park.
- F. SWWD desires to financially support the City's operation of the Project for the purpose of improving water quality in Powers Lake.

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

Purpose, Term, and Automatic Renewal: The purpose of this Agreement is as set forth in the above recitals, which are incorporated herein by reference. This Agreement will be effective as of the date set forth above, and will continue until December 31, 2038. Thereafter, this Agreement will automatically renew for additional five (5) year terms ("Renewal Term") on January 1st of each successive year unless and until either Party gives the other written notice on or before August 1st prior to a new Renewal Term that the Party does not intend to renew this Agreement.

I. **CITY OF WOODBURY RESPONSIBILITIES:**

South Washington Watershed District

- A. Outreach. The City will participate jointly with SWWD to engage in public outreach and communication with City residents about the goals and benefits of the Project.
- B. Site Access. The City shall allow SWWD and its representatives to access Hasenbank Stormwater Park for site survey, utility location, construction, and monitoring of the Project, including placement of any related structures, storm pipe routing, force mains, pumps, pre-treatment structures, utilities, vegetation and other appurtenant components of the Project either above or below ground.
- C. Operation and Maintenance. The City will immediately begin operation and maintenance of the Project in accordance with **Exhibit B** after execution of this agreement, completion of Project construction by SWWD, and acceptance of the Project in writing by City staff, not to be unreasonably withheld, and continue operation and maintenance of the Project annually thereafter.
- D. Insurance. The City will obtain insurance coverage for the completed Project as a City asset.
- E. Funding. The City will not be responsible for any costs associated with construction of the Project. The City will provide continued up front funding and staffing to implement the Project's operations and maintenance plan. The City will invoice SWWD quarterly for direct costs incurred related to implementation of the operations and maintenance plan, including costs of providing City staff to complete the operations and maintenance work, up to an annualized average of 8 hours per week (0.2 FTE), and insurance costs. If the City receives funding from outside sources for the purpose of implementing the Project's operations and maintenance plan, those funds will be applied first before invoicing SWWD.
- F. Permitting. The City and SWWD will each serve as permit applicant, either independently or jointly as appropriate, and cooperate on the submittal of any and all permit applications required for construction and operation of the Project.
- G. Reporting. The City will submit to SWWD an annual report summarizing efforts for the previous year by March 1st each year. The report will include summaries of labor and operation and maintenance costs in addition to pump volume summaries for the pump station.
- H. Non-Renewal and Transfer to SWWD. If the City exercises its authority to discontinue automatic renewal of this agreement as described in the recitals above, it shall execute a new cooperative agreement with SWWD prior to the termination of this agreement that allows SWWD to continue operation and maintenance of the Project at its pleasure. In this event, the City will be solely responsible for all work and costs associated with disconnecting the Project from its SCADA system and removing all SCADA hardware from the Project facilities.

II. SOUTH WASHINGTON WATERSHED DISTRICT RESPONSIBILITIES:

- A. Outreach. SWWD will participate jointly with the City to engage in public outreach and communication with City residents about the goals and benefits of the Project.
- B. Site Access. SWWD will provide the City with a minimum of seven (7) days advance notice prior to commencing active construction of the Project. Construction signage and/or fencing will be installed as needed alerting the public to hazards and limiting access to the Project site.

South Washington Watershed District

- C. Construction. SWI/VD is solely responsible for all construction and restoration as shown in **Exhibit A**. Upon completion of Project construction, site conditions will, at a minimum, be restored to pre-project condition in areas not modified by the Project design.
- CI. Funding. SWI/VD will complete all Project construction and site restoration at its own cost. After acceptance of the Project by the City in writing and commencement of the City's operation and maintenance of the Project, SWI/VD will, within thirty (30) days of receipt, reimburse the City for invoiced costs associated with operation and maintenance of the Project, including but not limited to staff costs, material costs, replacement costs, insurance costs, and disposal costs, for as long as the facility is in operation. The invoice will contain detailed summaries of all costs submitted for reimbursement and billed on a quarterly basis. SWI/VD will provide up to \$400,000 to support shoreline restoration project as outlined in the System-Wide Natural Resources Management Plan. construction.
- CII. Permitting. The City and SWI/VD will each serve as permit applicant, either independently or jointly as appropriate, and cooperate on the submittal of any and all permit applications required for construction and operation of the Project.
- CIII. Non-Renewal and Decommissioning. In the event that the Project ceases to be operated by the City, SWI/VD will have the sole authority in determining if the Project is to be abandoned and decommissioned. In this event the project is abandoned and decommissioned, SWI/VD will be solely responsible for all work and costs associated with abandoning Project components in place and/or removing Project components from the City's property, to the satisfaction of the City.

III. Facilities

- A. Upon completion of Project construction by SWI/VD and acceptance of the Project in writing by City staff, not to be unreasonably withheld, City will accept ownership of the Hasenbank Stormwater Park unless the City exercises its authority to discontinue automatic renewal of this agreement as described in the recitals above. In the event of termination of this Agreement the City shall execute a new cooperative agreement with SWI/VD prior to the termination of this agreement that transfers ownership of the Hasenbank Stormwater Park to SWI/VD to continue operation and maintenance of the Project at its pleasure.

IV. MISCELLANEOUS:

- A. 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.
- B. Employees. The City and SWI/VD represent that they have, or will secure at their own expense, all personnel and/or contractors required for their respective performance of this agreement. Any and all personnel and contractors of the City shall not be deemed to have any employment or contractual relationship with SWI/VD. Any and all personnel and contractors of SWI/VD shall not be deemed to have any employment or contractual relationship with the City.
- C. Liability. Except if arising from or out of SWI/VD's fault or negligence, the City agrees to indemnify and defend the SWI/VD, its successors, and assigns against and will hold harmless the SWI/VD, its successors and assigns from any claims, expenses or damages, including attorneys' fees, arising from City performance of this agreement. Except if arising from or out of the City's fault or negligence, SWI/VD agrees to indemnify and defend the City, its successors, and assigns against

South Washington \.Watershed District

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.

- D. 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. The City's or SWWD's use of contracted services to meet its obligations under this contract shall not be construed to be an assignment.
- E. Effective Date. This agreement will be effective as of the date all of the signatures required below have been provided. The date of the last required signature will be the date of this agreement and will be inserted in the first paragraph on page 1.
- F. 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.
- G. 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 this agreement and the accounting practices and procedures of the parties.
- H. 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.
- I. Governing Law. 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.
- J. Entire Agreement and Prior Agreement. This Agreement is intended by the parties as a final expression of their agreement, which cancels, supersedes and revokes all prior negotiations, representation and agreements between the parties, whether oral or written, relating to the subject matter of this Agreement, including without limitation any prior agreements between the parties. Each party to this Agreement acknowledges that no representations, inducements, promises, or agreements have been made, orally or otherwise, by any party, or by anyone acting on behalf of any party, which is not embodied herein, and that no other agreement, statement or promise not contained in this Agreement shall be valid or binding.
- K. Notices. Any notices given under this Agreement by either party to the other shall be by email or in writing and may be affected by email verification, by personal delivery with signed receipt, or by registered or certified mail with postage prepaid and return receipt requested. Notice

South Washington Watershed District
Agreement # 2023-40-1072
City of Woodbury

delivered through email, personally, or by mail will be deemed communicated as of the date of actual receipt. Mailed notices shall be addressed to and sent to the address below:

City of Woodbury
Kristin Seaman
Environmental Resources Coordinator
8301 Valley Creek Road
Woodbury, MN 55125

South Washington Watershed District
John Loomis
Deputy Administrator
2302 Tower Drive
Woodbury, MN 55125

- L. Severability and Survivability. If any provision of this Agreement shall be finally judicially determined to be unlawful or unenforceable in whole or in part, such provision shall be given force to the fullest extent provided by law and the remainder of this Agreement shall be construed as if such illegal, invalid, unlawful, void or unenforceable provision was not contained herein and this Agreement shall otherwise remain and continue in full force and effect. SWWD and the City agree that where the context of any provision indicates an intent that it shall survive the term of this Agreement then it shall survive. For the avoidance of doubt, the following sections shall survive: I.G. – Non-Renewal and Transfer to SWWD; II.F. – Non-Renewal and Decommissioning.

CITY OF WOODBURY

SOUTH WASHINGTON WATERSHED DISTRICT

Anne W Burt Mar 17, 2025
Anne W Burt (Mar 17, 2025 11:15 CDT)
Anne W. Burt Date
Mayor

Brian Johnson, President, Date
South Washington Watershed District

clint gridley Mar 31, 2025
clint gridley (Mar 31, 2025 14:38 CDT)
Clint Gridley Date
City Administrator

Approved as to form:

Christina Benson 3/14/2025
Woodbury City Attorney Date



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 12
Title: USACE Continuing Authorities Program (CAP) Request Letter	Board Action Requested: Authorize Staff to Submit Request to USACE for Grey Cloud Slough Feasibility Study	Required Signatures SWWD Administrator
Reviewed by: JHL		Presented by: Loomis/Axtell
<p>Background/Justification: Staff have been consulting with Minnesota DNR and U.S. Army Corps of Engineers representatives about a large habitat rehabilitation project in Grey Cloud Slough. The project would involve island building and dredging to recreate historic island formations in the area lost to erosion from wind and wave action since the area was flooded in the 1930's by Lock and Dam 2. The first official step is requesting the Corps to consider this project under the provisions of its CAP program (Section 204). If accepted, the Corps will undertake a feasibility study to determine if island building and dredging in this area will result in the creation of important backwater floodplain forest habitat and wetlands, among other benefits. The feasibility study would be fully federally funded. If outcomes are positive (we believe they will be), further agreements between SWWD and USACE will be required, including a commitment to provide 35% local match funding for the project. Staff has already submitted a proposal to the 3M Priority 2 RFP in an attempt to secure most of these future required funds. MnDNR is not able to serve as a project sponsor under State law.</p> <p>Staff will share more details about the proposal and be available to answer questions during the meeting. Staff recommends the Board authorize staff to submit the enclosed letter on behalf of the District.</p>		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$ None		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



SOUTH WASHINGTON WATERSHED DISTRICT

April 8, 2025

Mr. Karl Jansen
Deputy District Engineer
U.S. Army Corps of Engineers
St. Paul District
332 Minnesota Street, Suite E1500
St. Paul, Minnesota 55101-1323

Dear Mr. Jansen:

This is in reference to the United States Army Corps of Engineers (Corps) Continuing Authorities Program (CAP). The South Washington Watershed District (SWWD) understands that the provisions of Section 204 of the 1996 Water Resources Development Act, as amended, authorize the Corps of Engineers to carry out projects for the protection, restoration & creation of aquatic & ecologically related habitats, including wetlands, in connection with dredging for construction, operation, or maintenance of an authorized navigation project. The purpose of authorized projects, under Section 204, is to reduce storm damage and protect, restore and create aquatic and ecologically related habitats, including wetlands.

SWWD requests that the Corps conduct a study to determine the feasibility of using island and landform building within Grey Cloud Slough, located in Lower Pool 2 of the Mississippi River in Washington County, MN, to create needed backwater habitat and wetlands. This project would recreate historic landforms lost to repeated flooding over the past century, add habitat diversity, construct and restore floodplain forest and wetlands, and help direct flow from the restored Grey Cloud channel to help maintain the resulting channels for navigation through Grey Cloud Slough.

SWWD understands that initial feasibility investigations would be fully federally funded. Moreover, SWWD understands that if a feasible alternative is identified, a Project Partnership Agreement (PPA) between our agency and the Corps will need to be executed. Our obligations as a local sponsor under Section 204, including the cost share requirement of 35% of the project design and implementation costs above *Base Plan (Federal Standard)* disposal costs will be outlined in this PPA.

Please contact John Loomis, SWWD Administrator at john.loomis@swwdmn.gov or 651-714-3714 to arrange a further discussion of this inquiry.

Sincerely,

John Loomis
Administrator



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 13
Title: 2025 Spring Treatment to Markgrafs and Wilmes (north basin), Stantec Task Order #2025-001	Board Action Requested: Approve Stantec Task Order	Required Signatures SWWD Administrator
Reviewed by: JHL		Presented by: Tekiela
Background/Justification: To address the curly-leaf pondweed present in both waterbodies and maintain current Lake Vegetation Management Plans (LVMPs) of each lake, a spring treatment of Diquat is proposed. Both Markgrafs and Wilmes (north basin) have been treated with Diquat before. Markgrafs was last treated in the spring of 2023. Due to the absence of CLP in Markgrafs in 2023, the lake was not treated the following spring of 2024. However, CLP was located in Markgrafs again during early summer surveys (frequency of 14). In 2024, no CLP was observed in Wilmes (north basin). However, CLP develops buds (turions) under the ice in late fall and early winter and allows the plant to grow rapidly in the spring months before native species are active. The growth cycle of CLP, combined with the resurgence of CLP in Markgrafs Lake in 2024 following an absence in treatment, supports the need for a spring 2025 treatment in Wilmes (north basin). SWWD staff recommend approvals.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$ 2,754.84		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



SOUTH WASHINGTON WATERSHED DISTRICT

TASK ORDER

This Task Order pertains to an Agreement by and between the South Washington Watershed District (“OWNER”) and Stantec Consulting Services, Incorporated (“ENGINEER”), March 4, 2025 (“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 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: *Stantec 2025-001*

PROJECT NAME: *2025 Spring Treatment to Markgrafs and Wilmes (north basin)*

PART 1.0 PROJECT DESCRIPTION: This Task Order authorizes 2025 Spring Treatment to Markgrafs and Wilmes (north basin). Work will include herbicide treatment on SWWD Lakes as well as assistance with ongoing treatment of AIS in infested Lakes.

PART 2.0 SCOPE OF SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT: The tasks included in the task order are detailed in ENGINEER’s attached scope letter dated April 1, 2025, and include:

1. Diquat Herbicide Treatment on Markgrafs Lake
2. Diquat Herbicide Treatment on Wilmes (north basin)

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.

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 **March 1, 2026.**

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 **\$2,754.84**. 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 Ms. Abby Tekiela. ENGINEER's designated representative for this project is Ms. Katie Kemmitt.

PART 7.0 SIGNATURES:

This Task Order is executed this **8th day of April 2025**.

SOUTH WASHINGTON WATERSHED
DISTRICT

STANTEC CONSULTING SERVICES, INC.

"OWNER"

"ENGINEER"

BY: _____

BY: _____

NAME: Sharon Doucette

NAME: _____

TITLE: Board President

TITLE: _____

ADDRESS: 2302 Tower Dr
Woodbury, MN 55105

ADDRESS: _____

To: Abby Tekiela
Woodbury, MN
Project/File: 227707827

From: Katie Kemmitt
Plymouth
Date: April 1, 2025

Reference: Contractor Recommendation for 2025 Spring CLP Treatments on Markgrafs and Wilmes (north basin)

In 2021, Stantec conducted aquatic vegetation surveys in multiple lakes within the South Washington Watershed District (SWWD). Several lakes had nuisance growth of Eurasian watermilfoil (EWM) in the south basin and curlyleaf pondweed (CLP) in the north basin. Both of these species are aquatic invasive species (AIS) that are commonly found in the Twin Cities Metro Area. Aquatic invasive species are difficult to control in shallow lakes and often require significant management intervention to achieve a diverse, balanced aquatic plant community that supports a healthy lake ecosystem.

Over the last three years, Stantec has worked with SWWD and MnDNR to develop herbicide treatment strategies for the lakes infested with EWM and CLP. As part of this effort, Stantec drafted lake vegetation management plans (LVMPs) which are required as part of the permitting process for herbicide treatment to these lakes. The LVMPs specify the treatment and monitoring strategy and goals, as well as a multi-year commitment to treatment to ensure progress towards reducing AIS abundance is made. As specified in their LVMPs and permits Markgrafs and Wilmes (north basin) will be receive spring diquat treatments for CLP on the partial lake scale.

Both Markgrafs and Wilmes (north basin) have received spring diquat treatments before. Markgrafs was last treated in Spring 2023. Treatment was not done in 2024 due to the absence of CLP in 2023; however, CLP bounced back in 2024 with an early summer frequency of occurrence of 14. Wilmes (north basin) was last treated in Spring 2024. No CLP was observed during the 2024 surveys in the north basin, but turions are likely overwintering and require additional treatment for long-term success.

As directed by SWWD, Stantec reached out to PLM Lake and Land Management (PLM) directly for quotes for the treatments on the lakes. The received quotes from PLM are provided as an attachment to this memo and are summarized in the table below.

Table 1. Quoted cost from PLM to treat Markgrafs and Wilmes (north basin) in Spring 2025 with diquat herbicide.

Lake	Quoted Cost
Markgrafs	\$1,170.84
Wilmes (north basin)	\$1,584.00
Total	\$2,754.84

Reference: Contractor Recommendation for 2025 Spring CLP Treatments on Markgrafs and Wilmes (north basin)

The quotes above include material costs and labor fees for PLM to apply the recommended herbicides to each lake. Stantec recommends that SWWD accept the quotes from PLM for Markgrafs and Wilmes (north basin) Spring 2025 diquat treatments.

Thank you,

STANTEC CONSULTING SERVICES INC.



Katie Kemmitt
Environmental Scientist
Phone: (763)252-6856
katie.kemmitt@stantec.com

Attachment: Markgrafs 2025 Diquat Quote; Wilmes (north basin) 2025 Diquat Quote

PLM Lake and Land Management Corp.

Midwest Division
Tel. 1-866-687-5253
Office. 1-218-270-3338



CLP Treatment Estimate

Lake Name:	Markgrafs
Target Species:	Curly Leaf Pondweed
Product:	Diquat

Site	Area (Acres)	Depth (ft)	Rate (Gal/Acre)	Price/Gal	Units (Gal)	Site Estimate
1	4.34	3.3	1.65	\$110.00	7.161	\$787.71
2	2.31	2.6	1.3	\$110.00	3.003	\$330.33
3	0.24	5.5	2	\$110.00	0.48	\$52.80
				TOTAL:	10.644	\$1,170.84

Signature:	Date:
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Sincerely,

Patrick Selter
Vice President
PLM Lake and Land Management Corp.
Midwest Division – Shakopee, MN

PLM Lake and Land Management Corp.

September 18, 2023

Midwest Division

Tel. 1-866-687-5253

Office. 1-218-270-3338



CLP Treatment Estimate

Lake Name:	Wilmes Lake
Product:	Diquat

Site	Area (Acres)	Depth (ft)	Rate (Gal/Acre)	Price/Gal	Units (Gal)	Site Estimate
1	7.2	5	2	\$110.00	14.4	\$1,584.00
				TOTAL:	14.4	\$1,584.00

Sincerely,

Patrick Selter
Vice President
PLM Lake and Land Management Corp.
Midwest Division –Shakopee, MN



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 14
Title: Brian Johnson Recognition	Board Action Requested: Approve Resolution 2025-002	Required Signatures SWWD President
Reviewed by: JHL		Presented by: Loomis
Background/Justification: Attached is Resolution 2025-002 recognizing Brian Johnson. The Managers and Staff would like to thank Brian Johnson for his years of service and dedication to the SWWD.		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments



SOUTH WASHINGTON WATERSHED DISTRICT

RESOLUTION No. 2025-002

RESOLUTION OF THE SOUTH WASHINGTON WATERSHED DISTRICT BOARD OF MANAGERS RECOGNIZING MR. BRIAN JOHNSON'S TENURE ON THE SOUTH WASHINGTON WATERSHED DISTRICT BOARD

WHEREAS, Brian Johnson has served as a Manager on the Board of the South Washington Watershed District for 21 years, including over 4 as President; and

WHEREAS, Under President Johnson's leadership, South Washington Watershed District served as an example of efficient watershed governance to protect and maintain the Mississippi and St. Croix Rivers; and

WHEREAS, Under President Johnson's leadership, South Washington Watershed District has created effective working relationships with its Cities, Townships and Washington County; and

WHEREAS, Under President Johnson's leadership, South Washington Watershed District has successfully completed the Central Draw Overflow project; and

WHEREAS, Under President Johnson's leadership, South Washington Watershed District has made substantial infrastructure investments to protect District resources including the Seasons Park Stormwater Filter, Hasenbank Stormwater Park, and Kargel Park Alum Facility all of which directly benefit water quality of District Lakes in Woodbury; and

WHEREAS, Under President Johnson's leadership, South Washington has implemented innovative collaborations with District partners to deliver efficient

and effective operation and maintenance of practices throughout the District, including enhanced street sweeping programs, efficient deicing programs, and operation and maintenance partnerships; and

WHEREAS, Under President Johnson's leadership, South Washington Watershed District is recognized as a leader in watershed and natural resource management,

NOW THEREFORE BE IT RESOLVED, that the South Washington Watershed District Board of Managers recognizes President Johnson's for his leadership, attention, and dedication to watershed and natural resource management in South Washington Watershed District; and

BE IT FURTHER RESOLVED, that the South Washington Watershed District Board of Managers congratulates President Johnson on his tenure as President of the Board of Managers.

Manager _____ moved the adoption of the foregoing Resolution #2025-002, and Manager _____ seconded the adoption of the Resolution, and it was duly adopted by the Board on the 8th of April, 2025.

Sharon Doucette, President

Emily Stephens, Vice-President



Date: April 4, 2025	South Washington Watershed District Request for Board Action	Agenda Item # 15
Title: Future Business and Meetings	Board Action Requested:	Required Signatures None
Reviewed by: JHL		Presented by: Imse
Background/Justification: a) Brian Johnson Recognition, Tuesday, April 8 5pm b) Regular Board Meeting, Tuesday, April 8, 2025 6pm c) Board Workshop and Regular Meeting, May 13, 2025 5pm d) Regular Board Meeting, Tuesday, June 10, 2025 6pm e) SWWD CAC Meeting, Tuesday, June 24, 2025 5:30pm f) Minnesota Watersheds Summer Tour, Roseau River Watershed, June 24-26, 2025		
Previous Action: None		Contact: JHL
Date Received: April 4, 2025	SWWD Administrator/Date: April 4, 2025	SWWD Attorney/Date
Financial Implications: \$		Comments:
Fund	Explanation:	Fund Balance:
Decision Needed/Date	Administrative Recommendation <u>Approval</u> Informational Denial No Recommendation	Comments