



**RAMSEY-WASHINGTON**  
METRO WATERSHED DISTRICT

# **October 2024 Board Packet**

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# Agenda

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## **Regular Board Meeting Agenda**

Wednesday, October 2, 2024

6:30 PM

*This month's meeting will be held at the District office (2665 Noel Drive, Little Canada, MN) but also via the video conferencing platform Zoom. Board members, staff, consultants, and general public will be able to join in person OR via video and/or phone. The public will be able to listen to meeting but not participate with the exception of the visitor comments portion of the agenda. Instructions for joining in on the Zoom meeting can be found after the agenda.*

1. Call to Order – 6:30 PM
2. **Approval of Agenda (pg. 3)**
3. **Consent Agenda: To all be approved with one motion unless removed from consent agenda for discussion.**
  - A. Approval of Regular Meeting Minutes September 4, 2024 (pg. 7)
  - B. Treasurer's Report and Bill List (pg. 14)
  - C. Permit Program
    - i. 24-46 Woodbury WTP – South Wellfield (pg. 28)
  - D. Stewardship Grant Program
    - i. 24-45 CS Stevenson (pg. 31)
    - ii. 24-47 CS Pitrina Park Terrace Association (pg. 33)
    - iii. 24-49 CS Escape Climbing (pg. 35)
4. Visitor Comments (limited to 4 minutes each)
5. Permit Program
  - A. Applications
    - i. **24-47 Woodbury WTP – Tamarack Wellfield (pg. 38)**
    - ii. **24-48 Shoreview Villas I (pg. 48)**
  - B. Enforcement Action Report (pg. 60)
6. Stewardship Grant Program
  - A. Applications – see consent agenda
  - B. Budget Status Update (pg. 64)
7. Action Items
  - A. **Watershed Excellence Awards Approval (pg.66)**
  - B. **Woodbury Target Store Project (Peterson Companies) – Change Order No. 2 (pg. 67)**
8. Attorney Report
9. Board Discussion Topics
10. New Reports and/or Presentations
  - A. Woodbury Target Project Contract Summary (pg. 74)
  - B. Wakefield Lake Aeration Study Scope Summary (pg. 77)
11. Administrator's Report (pg. 82)
  - A. Meetings Attended
  - B. Upcoming Meetings and Dates
  - C. Staff Anniversaries
  - D. Board Action Log

- E. Minnesota Watersheds Updates
- F. RWMWD Related Presentations at Upcoming Conferences
- 12. Project and Program Status Reports (*pg. 87*)
  - Project Feasibility Studies*
    - A. Ames Lake Area Flood Risk Reduction Planning Study
    - B. Phalen Village Flood Risk Reduction
    - C. Resiliency Study for Non-Beltline Tributary Areas
    - D. Owasso Basin Flood Risk Reduction
    - E. Street Sweeping
    - F. Maplewood Mall 2024 Assessment
    - G. Watershed Approach to Retrofit Projects
    - H. Tanners Lake, Battle Creek Lake, and McKnight Basin Outlet Operation Plan
  - Watershed Management Plan Update*
    - I. Watershed Management Plan Update Scoping
  - Capital Improvements*
    - J. Woodbury Target Store Stormwater Retrofit Project
    - K. Roosevelt Homes
    - L. Targeted Retrofit Projects 2024
    - M. Stewardship Grant Program
    - N. Permit Program Assistance
    - O. Pioneer Park Stormwater Reuse
    - P. Fish Creek Tributary Improvements
    - Q. Cottage Place Wetland Regeneration
    - R. County Road C Culvert Replacement
    - S. Kohlman Creek Flood Risk Reduction Projects
  - CIP Project Repair and Maintenance*
    - T. Routine CIP Inspection and Unplanned Maintenance Identification
    - U. Beltline Mississippi Branch Outfall Replacement Project
  - Program Updates*
    - V. Natural Resources Program
    - W. Public Involvement and Education Program
    - X. Communications and Outreach Program
    - Y. Citizen Advisory Committee
- 13. Manager Comments and Next Month's Meeting
- 14. Adjourn





# **RAMSEY-WASHINGTON**

## **METRO WATERSHED DISTRICT**

### **NOTICE OF BOARD MEETING**

### **Wednesday, October 2, 2024**

### **6:30 PM**

### **Hybrid Meeting: In-Person and Web Conference**

This month's meeting will be held at the District office (2665 Noel Drive, Little Canada, MN) AND via the video conferencing platform Zoom. Board members, staff, consultants, and general public will be able to join in person or via Zoom. The public will be able to listen to meeting but not participate with the exception of the visitor comments portion of the agenda. Visitor comment may be given in person or via Zoom. Instructions for joining in on the Zoom meeting can be found below.

To access the meeting via webcast, please use this link: <https://us02web.zoom.us/j/83304876911>

The meeting room will open at 6:20 pm with the meeting starting at 6:30 pm. To connect to audio, you may choose to use your computer audio options or you may use your mobile device to call. The phone access number is **(312) 626-6799**. The Meeting ID is **833 0487 6911**. The meeting password is **463929**. If you have any questions, please contact Tina Carstens at [tina.carstens@rwmwd.org](mailto:tina.carstens@rwmwd.org).

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# Consent Agenda

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**Ramsey-Washington Metro Watershed District  
Minutes of Regular Board Meeting  
September 4, 2024**

The Regular Meeting of September 4, 2024, was held at the District Office Board Room, 2665 Noel Drive, Little Canada, Minnesota, and via Zoom web conferencing at 6:30 p.m. A video recording of the meeting can be found at <https://youtu.be/5dY9yepNRUM>. Video time stamps included after each agenda item in minutes.

**PRESENT:**

Val Eisele, President  
Ben Karp, Vice President  
Mark Gernes, Secretary  
Matt Kramer, Treasurer  
Stephanie Wang, Manager

**ABSENT:**

**ALSO PRESENT**

**Staff:**

Tina Carstens, District Administrator  
Paige Ahlborg, Assistant Administrator  
Nicole Maras, Regulatory Program Manager  
Ashlee Ricci, Grant Program Specialist  
Kyle Kubitz, Monitoring Technician  
Dave Vlasin, Project Coordinator  
Patrick Williamson, Natural Resources Specialist  
Mia Collazo, Water Monitoring Intern  
Kendra Kloth, Regulatory Technician

**Consultants:**

Laurann Kirschner, Attorney for District  
Brad Lindaman, Barr Engineering

**Visitors:**

None

**1. CALL TO ORDER**

The meeting was called to order by President Eisele at 6:30 p.m.

**2. APPROVAL OF AGENDA (0:11)**

Manager Wang requested to move permit application 24-23 Top Golf, Woodbury to permit program item 5A iii.

Manager Karp requested to move permit application 24-45 Goodrich Golf Course Cart Path Replacement, Maplewood to permit program item 5A iv.

Motion: Manager Kramer moved, Manager Karp seconded, to approve the agenda as amended.

Motion carried unanimously.

**3. CONSENT AGENDA (1:12)**

- A. Approval of Minutes from August 7, 2024
- B. Treasurer's Report and Bill List
- C. Permit Program
  - i. 24-40 Main Event, Woodbury

- ii. 24-42 Woodbury Middle School Renovation, Woodbury
- iii. 24-43 Top Golf, Woodbury
- vi. 24-45 Goodrich Golf Course Cart Path Replacement, Maplewood

D. Stewardship Grant Program

- i. 24-43 CS Schwantes
- ii. 24-44 CS Anderson

Motion: Manager Gernes moved, Manager Kramer seconded to approve the consent agenda.

Motion carried unanimously.

Manager Gernes requested to amend the August 7<sup>th</sup> Minutes to reflect his abstaining from the vote for permit application 24-39 Xcel Service Center, St. Paul.

Motion: Manager Karp moved, Manager Wang seconded to approve the August 7<sup>th</sup> minutes with the proposed revision to 24-39 Xcel Service Center, St. Paul showing Manager Gernes abstained from the vote.

Motion carried unanimously.

#### 4. **VISITOR COMMENTS (6:30)**

No comments.

#### 5. **PERMIT PROGRAM (6:37)**

A. Applications

- i. 24-41 Woodbury WTP Woodlane-Hargis Parkway, Woodbury

Nicole Maras stated that permit 24-41 Woodbury WTP Woodlane-Hargis Parkway, Woodbury includes a variance request for rule C stormwater management to exclude some of the reconstructed impervious area from treatment requirements. Nicole explained that the origination of the project was PFAS related. Nicole stated that the city of Woodbury will be constructing a water treatment plant and new water infrastructure was needed. Nicole went on to explain that the section of roadway adjacent to Gordon Bailey Elementary School had been reconstructed within the last five years. Nicole provided more information on the location of the project noting that it is in the southern most location of the District's boundaries. Nicole explained that the majority of the impervious surface is located outside of the District's hydrologic boundary. Nicole stated that the applicant submitted modeling to show the current jurisdictional and hydrologic boundaries and to explain that there is sufficient treatment for the impervious area and they meet today's standards.

Motion: Manager Kramer moved, Manager Karp seconded, to approve permit 24-41 Woodbury WTP Woodlane-Hargis Parkway, Woodbury.

Motion carried unanimously.

- ii. 24-44 MnDOT Hwy 61 – Arcade/ 7<sup>th</sup> Street, St. Paul and Maplewood

Nicole Maras explained that permit 24-44 MnDOT Hwy 61 – Arcade/7<sup>th</sup> St., St. Paul and Maplewood is a MnDOT partial reconstruction and partial resurfacing of 7<sup>th</sup> St. East, which is in Capital Region Watershed District, and Hwy 61/Arcade. Nicole explained that Capital Region Watershed District is regulating areas within their jurisdiction separately and the proposed permit is for the portion of the project located within the District's jurisdictional boundary. Nicole stated that there would be underground treatment and a half-acre decrease of impervious area proposed within the District. Nicole explained that there is a variance request for temporary disturbance of a wetland. Nicole explained that the wetland being disturbed would be the wetland fringe at Round Lake. Nicole explained the temporary disturbance would be due to the replacement of existing stormwater conveyance sections.

Motion: Manager Gernes moved, Manager Karp seconded to approve permit 24-44 MnDOT Hwy 61 – Arcade/ 7<sup>th</sup> Street, St. Paul and Maplewood.

Motion carried unanimously.

iii. 24-43 Top Golf, Woodbury

Nicole Maras provided details of permit application 24-43 Top Golf, Woodbury noting that it is directly adjacent to the location of permit 24-40 Main Event, Woodbury. Nicole stated that these are two separate parcels within a greater redevelopment area which also has a permit that was approved in 2023. Nicole explained the mass developer is completing the grading, stormwater infrastructure and utilities. Nicole explained that due to the ownership and different contractors working within the separate parcels the mass developer requested each parcel receive its own erosion control permits for inspection and enforcement purposes.

Manager Wang stated that she had concerns due to the large parcel, which is currently undeveloped, having an increase of impervious surface runoff being directed across the freeway into a higher quality wetland. Manager Wang questioned if disturbance to the wetland had been taken in to consideration.

Nicole explained that the permit request is centered on erosion and sediment control versus construction of the buildings noting that all of the stormwater requirements are being met for the 2023 permit. Nicole stated that the mass developer is installing facilities to treat impervious runoff.

Manager Wang expressed concern that if sediment were to get through it would end up in the higher quality wetland.

Nicole Maras explained the District has an agreement with the city of Woodbury stating that Washington Conservation District staff completes routine inspections for sites located in Woodbury. Nicole stated that if issues are noted in those inspection reports such as offsite impacts the District can step in to complete its own inspections at any point. Nicole explained that an initial erosion control walkthrough would be conducted with the Top Golf contractor to communicate what the expectations are.

Motion: Manager Kramer moved, Manager Karp seconded to approve permit 24-43 Top Golf, Woodbury. There were four ayes with Manager Wang abstaining.

Motion approved.

vi. 24-45 Goodrich Golf Course Cart Path Replacement, Maplewood

Manager Karp stated that he would be abstaining from the vote on permit 24-45 Goodrich Golf Course Cart Path Replacement, due to his involvement in his job at Ramsey County, noting a conflict of interest.

Motion: Manager Gernes moved, Manager Wang seconded to approve permit 24-45 Goodrich Golf Course Cart Path Replacement, Maplewood. There were 4 ayes with Manager Karp abstaining

Motion approved.

B. Monthly Enforcement Report

Nicole Maras provided a review of the monthly enforcement report. Nicole noted that an increase in rain events caused an increase in violations during the month of August. Nicole stated that due to prior warnings given and discharge of sediment after large rain events being seen there were violations given as well as deductions from escrows.

Manager Gernes questioned if an improvement had been seen for permits 23-29 and 22-23 Shoreview Deluxe Redevelopment Phase I & II, Shoreview, noting that the enforcement report showed many violations.

Nicole Maras stated the staff had visited the site on September 4th and all but one of the items had been brought into compliance. Nicole explained that a violation was given for the item that had not yet been brought into compliance. Nicole stated that there had been good cooperation with the city of Shoreview staff helping provide enforcement at the site.

**6. STEWARDSHIP GRANT PROGRAM (24:33)**

A. Applications – See consent agenda

B. Budget Status Update

Ashlee provided an overview of the budget status report noting August staff approval projects.

**7. ACTION ITEMS (26:50)**

A. 2025 Preliminary Budget and Levy Public Hearing

i. Approval of 2025 Preliminary Budget and Levy Certification to Ramsey and Washington Counties – Resolution 24-03

Tina Carstens provided details of the 2025 preliminary budget, noting that the levy was brought down to a 4.88% increase. Tina explained that the decrease was due to the District receiving a MPCA grant for the third phase of the Roosevelt Homes project. Tina stated that she had not made many other changes but there would be adjustments as the budget planning moved forward. Tina reviewed project breakdowns and provided an overview of CIP project funds. Tina proceeded to provide further details of the budget breakdown and how it was spread across programs noting that 84% of the budget goes to projects and programs and the remaining 16% was for administrative costs. Tina continued on to review information provided from the counties which showed the levy impact on resident taxes.

President Eisele closed the regular board meeting and opened up the public hearing for comments at 7:05:10 p.m.

No comments.

President Eisele closed the public hearing at 7:05:40 p.m. and reopened the regular board meeting.

Manager Wang noted a change in the calculation of the contingency line items and asked for more information on why the change was made.

Tina Carstens stated that the change was made after comments from President Eisele at the August meeting asking for standardization.

Manager Wang asked for more information on how the contingency funds are utilized.

Tina Carstens explained that in cases such as feasibility studies or research where a new idea, problem or situation may occur where it would not make sense to wait until the following year the contingency budget allows for changes. Tina stated that the contingency fund usage in the water monitoring program varies depending on if a year is more wet or dry, noting that wet years can require more than dry years.

President Eisele questioned how unused contingency funds affect future levies.

Tina Carstens explained that contingency funds that are not used are moved to the general fund and carried over for the next year which helps decrease the levy need.

Manager Wang stated that she felt that the standardization was not the correct approach for the budget.

Tina Carstens stated that the contingency budget use can be unpredictable.

President Eisele stated he was looking for what the standard risk assumption for particular items would be based off of the budget. President Eisele stated that currently he believed 10% was the best guess.

Manager Wang stated that a great job was done bringing the levy down to under 5%. Manager Wang explained that she is sensitive to the fact that taxes are on everyone's mind. Manager Wang stated that adding the standardized 10% was not the right approach to managing the budget.

President Eisele stated that the historical representation of what the contingency should be is what he believed the baseline should be. President Eisele stated that he thought 10% was ok. President Eisele stated the outcome he was looking for is to not have a levy increase. President Eisele stated that he was comfortable with targeting the contingency budgets and it would be a step in the right direction. President Eisele stated he would like to avoid a levy increases while still planning for a build year with beltline repairs and other contingency projects occurring.

Tina Carstens stated that she appreciated the comments and the goal of keeping the levy increase at 0%.

Manager Gernes noted that in previous conversations the preliminary levy is more of an estimate that is submitted to the counties with most years having a significant decrease when it comes to the final levy.

Tina Carstens stated that the project budgets are continually being refined. Tina noted that there would be a better sense of carry over for the general and project budgets as the year is worked through, which also helps refine the levy.

Motion: Manger Kramer moved, Manager Gernes seconded to approve the draft budget for purposes of the preliminary levy and approve resolution 24-03.

Motion carried unanimously.

#### **8. ATTORNEY REPORT (53:11)**

Laurann Kirschner provided details of the work the attorney's office had worked over the past month which included the public hearing notice as well as document and contract review for several projects.

#### **9. BOARD DISCUSSION TOPICS (55:48)**

President Eisele highlighted the nomination requests for the upcoming recognition dinner awards and urged others to make nominations. President Eisele also reiterated the desire for additional education opportunities and provided a status update on the additional education opportunities proposal.

Tina Carstens stated that planning was occurring for a site visit prior to the October meeting.

Manager Wang stated additional learning opportunities on how to best review permit materials and presentations would be helpful. Manager Wang noted that an executive summary and time limits on future technical presentation may also be helpful in understanding what to expect and to digest the information.

#### **10. NEW REPORTS AND/OR PRESENTATIONS (54:40)**

None

#### **11. ADMINISTRATOR'S REPORT (1:01:50)**

##### **A. Meetings Attended**

No comments

##### **B. Upcoming Meetings and Dates**

Tina Carstens reviewed the upcoming meetings and dates.

Manager Wang requested more information on the Phalen Creek daylighting design meeting and asked when the Board should expect to see further developments.

Tina Carstens stated that the schedule was to submit 90% for permit review in September with the hope of starting construction in the spring. Tina stated that it could be expected to see something in the next several months through the permitting program.

President Eisele questioned if updates on the Phalen Creek daylighting project could be provided in the program and status report.

Tina Carstens stated that it would be a unique add due to it not being a District project but it is something that could be included in the Project and Program Status Report.

C. Staff Anniversaries

No comments.

D. Board Action Log

No comments.

E. Minnesota Watersheds Updates

No comments.

**12. PROJECT AND PROGRAM STATUS REPORTS (1:10:27)**

*Project Feasibility Studies*

A. Ames Lake Area Flood Risk Reduction Planning Study

President Eisele questioned why the process seems to be going slower than expected.

Tina Carstens stated that it is due to the HRA's need for policy on how they work with organizations such as the District. Tina stated that they are supportive of the project. Tina provided more details on the discussions that have occurred with the HRA.

B. Phalen Village Flood Risk Reduction

President Eisele requested more information on the modifications requested to the storm sewer system and questioned if there is work being done to get the final section installed.

Tina Carstens stated that the final section would not be completed at this time but could be looked in the future if there is a change with the private property owner. Tina noted that the benefits of the system will still be seen even though the last section is not installed.

C. Resiliency Study for Non-Beltline Tributary Areas

D. Maplewood Mall 2024 Assessment

E. Watershed Approach to Retrofit Projects

F. Tanners Lake, Battle Creek and McKnight Basin Outlet Operation Plan

*Watershed Management Plan Update*

G. Watershed Management Plan Update Scoping

Manager Gernes questioned when Watershed Management planning would begin and when the Board would see information on it.

Tina Carstens stated that the kick off meeting with staff is set to occur within the next month with a presentation planned for the December meeting.



### *Research Projects*

#### H. New Technology Mini Case Studies

President Eisele questioned if a larger presentation would be given once an assessment is completed.

Brad Lindaman stated that there is still additional tracking to be done and once that is complete there will be better understating of if this is something to take a deeper look into.

### *Project Operations*

#### I. Lake-Level Station Maintenance and Rain Gauge Installation

### *Capital Improvements*

#### J. Woodbury Target Store Stormwater Retrofit Project

Manager Gernes asked for an update on the timeline of this project.

Paige Ahlborg stated that things are on track and scheduled to be wrapping up soon.

Dave Vlasin stated that pavement is scheduled for the 17<sup>th</sup> of September and it should be wrapping up in about two and a half weeks.

#### K. Roosevelt Homes

#### L. Targeted Retrofit Projects 2024

#### M. Pioneer Park Stormwater Reuse

#### N. Double Driveway and Fish Creek Tributary Improvements

#### O. Cottage Place Wetland Restoration

#### P. County Road C Culvert Project

#### Q. Kohlman Creek Flood Risk Reduction Projects: Final Design

### *CIP Project Repair and Maintenance*

#### R. Routine CIP Inspection and Unplanned Maintenance Identification

#### S. 2024 CIP Maintenance and Repairs Project

Brad Lindaman stated that there has been more pond clean out requests this year than ever before and expects a lot of upcoming activity.

Dave Vlasin stated that there are 20 ponds expected to be surveyed with cities on board noting that it looks like it will be a busy year.

#### T. Beltline Mississippi Branch Outfall Replacement Project

### *Program Updates*

#### U. Natural Resources Program

#### V. Public Involvement and Education Program

#### W. Communications and Outreach Program

President Eisele stated that he liked the illustration shown and would like more information on how it would be utilized.

Tina Carstens stated that more information could be added in the next report.

## **13. MANAGER COMMENTS AND NEXT MONTH'S MEETING (1:22:51)**

No comments.

## **14. ADJOURN**

Motion: Manager Wang moved, Manager Karp seconded, to adjourn the meeting at 7:53 p.m. Motion carried unanimously.

## RWMWD BUDGET STATUS REPORT

## Administrative &amp; Program Budget

Fiscal Year 2024

9/30/2024

Budget Category	Budget Item	Account Number	Original Budget	Budget Transfers	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per Diems	4355	\$7,000.00	-	-	-	\$7,000.00	0.00%
	Manager Expenses	4360	3,000.00	-	-	-	3,000.00	0.00%
Committees	Committee/Bd Mtg. Exp.	4365	4,000.00	-	77.09	739.35	3,260.65	18.48%
	<b>Sub-Total: Managers/Committees:</b>		<b>\$14,000.00</b>	<b>\$0.00</b>	<b>77.09</b>	<b>739.35</b>	<b>\$13,260.65</b>	<b>5.28%</b>
Employees	Staff Salary/Taxes/Benefits	4010	2,000,000.00	-	152,100.18	1,439,346.97	560,653.03	71.97%
	Employee Expenses	4020	10,000.00	-	866.38	4,248.81	5,751.19	42.49%
	District Training & Education	4350	75,000.00	-	2,397.34	28,607.50	46,392.50	38.14%
	<b>Sub-Total: Employees:</b>		<b>\$2,085,000.00</b>	<b>\$0.00</b>	<b>155,363.90</b>	<b>1,472,203.28</b>	<b>\$612,796.72</b>	<b>70.61%</b>
Administration/ Office	Data Base/GIS Maintenance	4170	20,000.00	-	171.36	6,720.96	13,279.04	33.60%
	Office Equipment Maintenance	4305	2,000.00	-	-	-	2,000.00	0.00%
	Telephone	4310	2,000.00	-	201.38	1,920.35	79.65	96.02%
	Office Supplies	4320	7,000.00	-	131.63	4,045.19	2,954.81	57.79%
	Postage/Delivery	4330	2,000.00	-	-	833.63	1,166.37	41.68%
	Printing/Copying	4335	5,000.00	-	447.28	3,644.55	1,355.45	72.89%
	Dues & Publications	4338	17,000.00	-	786.00	14,181.00	2,819.00	83.42%
	Janitorial/Trash Service	4341	15,000.00	-	344.02	15,214.71	(214.71)	101.43%
	Utilities	4342	20,000.00	-	1,470.06	12,170.49	7,829.51	60.85%
	Building Maintenance	4343	100,000.00	-	1,199.09	19,898.31	80,101.69	19.90%
	Miscellaneous	4390	5,000.00	-	-	332.20	4,667.80	6.64%
	Insurance	4480	65,000.00	-	-	57,840.00	7,160.00	88.98%
	Office Equipment	4703	80,000.00	-	132.00	17,174.66	62,825.34	21.47%
	District Vehicles/Maintenance	4810-40	60,000.00	-	1,444.55	6,304.28	53,695.72	10.51%
	Metro INET	4325	100,000.00	-	8,165.40	74,576.28	25,423.72	74.58%
	<b>Sub-Total: Administration/Office:</b>		<b>\$540,000.00</b>	<b>-</b>	<b>14,492.77</b>	<b>234,856.61</b>	<b>\$265,143.39</b>	<b>43.49%</b>
Consultants/ Outside Services	Auditor/Accounting	4110	80,000.00	-	3,688.30	59,307.70	20,692.30	74.13%
	Engineering-Administration	4121	122,000.00	-	5,996.50	68,633.36	53,366.64	56.26%
	Engineering-Permit I&E	4122	10,000.00	-	1,309.50	7,765.72	2,234.28	77.66%
	Engineering-Review	4123	75,000.00	-	5,869.00	45,062.69	29,937.31	60.08%
	Engineering-Permit Application Review	4124	65,000.00	-	7,026.50	53,235.50	11,764.50	81.90%
	Project Feasibility Studies	4129	260,000.00	-	3,214.00	97,353.67	162,646.33	37.44%
	Attorney-Permits	4130	5,000.00	-	-	-	5,000.00	0.00%
	Attorney-General	4131	40,000.00	-	2,075.00	23,141.50	16,858.50	57.85%
	Outside Consulting Services	4160	40,000.00	-	-	-	40,000.00	0.00%
	<b>Sub-Total: Consultants/Outside Services:</b>		<b>\$697,000.00</b>	<b>\$0.00</b>	<b>29,178.80</b>	<b>354,500.14</b>	<b>\$342,499.86</b>	<b>50.86%</b>
Programs	WMP/Lakes/TMDLs/Grants	4661	154,500.00	-	391.00	19,820.00	134,680.00	12.83%
	Natural Resources Program	4670	120,000.00	-	13,640.69	69,235.05	50,764.95	57.70%
	Water Monitoring Program	4520-30	285,000.00	-	39,355.33	307,464.07	(22,464.07)	107.88%
	Outside Program Support	4683	57,000.00	-	-	24,069.91	32,930.09	42.23%
	Research Projects	4695	150,000.00	-	752.50	53,458.00	96,542.00	35.64%
	Project Operations	4650	150,000.00	-	16,815.08	128,642.37	21,357.63	85.76%
	Communication/Outreach/Events	4371	166,000.00	-	8,308.74	123,517.59	42,482.41	74.41%
	Health and Safety Program	4697	4,000.00	-	80.36	6,352.83	(2,352.83)	158.82%
	<b>Sub-Total: Programs:</b>		<b>\$1,086,500.00</b>	<b>\$0.00</b>	<b>79,343.70</b>	<b>732,559.82</b>	<b>\$353,940.18</b>	<b>67.42%</b>
<b>GENERAL FUND TOTAL</b>			<b>\$4,382,500.00</b>	<b>\$0.00</b>	<b>278,456.26</b>	<b>2,794,859.20</b>	<b>1,587,640.80</b>	<b>63.77%</b>
CIP's	Project Repair & Maintenance	516	2,125,000.00	-	89,414.02	708,030.47	1,416,969.53	33.32%
	Targeted Retrofit Projects	518	1,950,000.00	-	434,258.50	670,897.11	1,279,102.89	34.40%
	Flood Risk Reduction Fund	520	5,400,000.00	-	4,663.28	183,220.28	5,216,779.72	3.39%
	Debt Services-Beltline/Maplewood Mall	526	394,963.00	-	-	392,957.80	2,005.20	99.49%
	Stewardship Grant Fund	529	1,250,000.00	-	40,720.92	561,251.14	688,748.86	44.90%
	Fish Creek Tributary Improvements	537	1,375,000.00	-	2,358.00	54,397.00	1,320,603.00	3.96%
	Wetland Restoration Projects	540	700,000.00	-	830.40	101,427.56	598,572.44	14.49%
<b>CIP BUDGET TOTAL</b>			<b>\$13,194,963.00</b>	<b>-</b>	<b>572,245.12</b>	<b>2,672,181.36</b>	<b>\$10,522,781.64</b>	<b>20.25%</b>
<b>TOTAL BUDGET</b>			<b>\$17,577,463.00</b>	<b>\$0.00</b>	<b>850,701.38</b>	<b>5,467,040.56</b>	<b>\$12,110,422.44</b>	<b>31.10%</b>

## Current Fund Balances:

Fund:	Unaudited Beginning Fund Balance @ 12/31/23	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Unaudited Fund Balance @9/30/24
101 - General Fund	\$3,125,440.06	-	2,091,664.74	278,456.26	2,794,859.20	2,422,245.60
516 - Project Repair & Maintenance	872,232.70	-	553,422.65	89,414.02	708,030.47	717,624.88
518 - Targeted Retrofit Projects	476,410.31	-	358,192.38	434,258.50	670,897.11	163,705.58
520 - Flood Risk Reduction Fund	4,726,296.76	-	460,316.83	4,663.28	183,220.28	5,003,393.31
526 - Debt Services-Beltline/Maplewood Mall	407,575.04	-	123,069.43	0.00	392,957.80	137,686.67
529 - Stewardship Grant Fund	201,659.15	-	388,702.66	40,720.92	561,251.14	29,110.67
536 - Stormwater Impact Fund	1,336,819.50	-	84,053.00	-	586,999.19	833,873.31
537 - Fish Creek Tributary Improvements	121,092.62	-	238,863.64	2,358.00	54,397.00	305,559.26
540 - Wetland Restoration Projects	498,036.00	-	100,480.02	830.40	101,427.56	497,088.46
580 - Contingency Fund	1,215,487.00	-	-	-	-	1,215,487.00
<b>Total District Fund Balance</b>	<b>\$12,981,049.14</b>	<b>\$0.00</b>	<b>\$ 4,398,765.35</b>	<b>\$ 850,701.38</b>	<b>\$6,054,039.75</b>	<b>\$11,325,774.74</b>

**Ramsey Washington Metro Watershed Dist.**  
**Check Register**  
**For the Period From September 1, 2024 to Septemebr 30, 2024**

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	09/03/24	hea002	Oct-24	HealthPartners	Employee Benefits	\$14,512.09
EFT	09/01/24	met008	Sep-24	MetLife-Group Benefits	Employee Benefits	1,876.85
EFT	09/19/24	usb002	September 2024 Statement	U.S. Bank	Various	4,688.47
74878	09/12/24	ada002	3967395	Adam's Pest Control, Inc.	Utilities/Building Services Contracts	94.72
74879	09/12/24	adg001	1379	AD Greenroof LLC	Stewardship Grant Prog./School/Comm. Site Retrofit Proj	937.50
74880	09/12/24	ame008	INV-208704	American Engineering Testing, Inc.	Stewardship Grant Prog./School/Comm. Site Retrofit Proj	2,932.00
74881	09/12/24	atc001	24-07 CS	Janey Atchison	Stewardship Grant Program	6,075.00
74882	09/12/24	aws001	S1335957-090124	AWS Service Center	Janitorial/Trash/Plowing/Sweeping	344.02
74883	09/12/24	bat003	P75697403	Batteries Plus	Vehicle Maintenance	176.35
74884	09/12/24	bws001	Kendra Exam Fee	MN Board of Water & Soil Resources	Training & Education	30.00
74885	09/12/24	eld001	24-11 MTN	Anna Eldridge	Stewardship Grant Program	115.82
74886	09/12/24	fle001	7/30/2024	Flemings Auto Service	Vehicle Maintenance	12.00
74887	09/12/24	gil001	249543	Gilbert Mechanical Contractors, Inc.	Building/Site Maintenance	1,199.09
74888	09/12/24	lee002	WF24	Hanna Lee	Education Program	250.00
74889	09/12/24	met004	INV2594140	Metro Sales, Inc.	Communications/Outreach/Events	59.70
74890	09/12/24	mid003	625709	Roseville Midway Ford	Vehicle Maintenance	1,256.20
74891	09/12/24	ncp001	September 1, 2024	NCPERS Group Life Ins.	Employee Benefits	16.00
74892	09/12/24	pre003	310306240	Premium Waters, Inc.	Utilities/Building Services Contracts	34.00
74893	09/12/24	saf001	24003572	Safety Signs LLC	Construction Imp./Targeted Retrofit Projects	347.20
74894	09/12/24	sai001	4743	Saint Paul Media	Communications/Outreach/Events	100.00
74895	09/12/24	sun003	24-10 CS	Russell Sundquist	Stewardship Grant Program	2,175.00
74896	09/12/24	usb005	537142986	US Bank Equipment Finance	Printing/Copier Lease	447.58
74897	09/24/24	ahl001	Sep-24	Paige Ahlborg	Employee Benefits, Expenses	287.37
74898	09/24/24	ame008	INV-214946	American Engineering Testing, Inc.	Stewardship Grant Prog./School/Comm. Site Retrofit Proj	1,231.00
74899	09/24/24	bar001	Aug 17 through Sep 13, 2024	Barr Engineering	Various	109,507.63
74900	09/24/24	bau001	21-01	Paul & Lee Bauer	Stewardship Grant Program	390.71
74901	09/24/24	bit001	Progress Payment #1	Bituminous Roadways	Construction Improvements/Project Maint. & Rep.	33,040.05
74902	09/24/24	cad001	20889540	Zayo Group, LLC	Water Monitoring Program	203.19
74903	09/24/24	car007	RWMWD 9_18_24	Carp Solutions, LLC	Natural Resources Program	12,760.00
74904	09/24/24	cit006	23-02 CS	City of Woodbury	Stewardship Grant Program	3,300.00
74905	09/24/24	cit011	24-06 CS	City of Roseville	Stewardship Grant Program	1,200.00
74906	09/24/24	cit011	24-46 CS	City of Roseville	Stewardship Grant Program	3,216.00
74907	09/24/24	dav003	9000068811	Davey Resource Group, Inc.	Construction Improvements/Project Maint. & Rep.	8,423.03
74908	09/24/24	den001	24-26 CS	Sue Denkinger	Stewardship Grant Program	7,222.63
74909	09/24/24	fit002	Aug-24	Mary Fitzgerald	Employee Benefits, Expenses	569.05
74910	09/24/24	fit003	Sep-24	Emily F. Kamin	Employee Benefits, Expenses	640.00
74911	09/24/24	fla002	21-05	Flats on 94	Escrow Refunds	5,225.00
74912	09/24/24	fra005	24-42 CS	Brian Frank	Stewardship Grant Program	1,086.65
74913	09/24/24	gal001	September 23, 2024	Galowitz Olson, PLLC	Attorney-General	2,075.00
74914	09/24/24	haw001	6857487	Hawkins, Inc.	Project Operations	7,422.20
74915	09/24/24	hod001	24-18 MTN	Robertta Hodgins	Stewardship Grant Program	284.49
74916	09/24/24	int001	W24080532	Office of MN, IT Services	Telephone	59.38
74917	09/24/24	klo001	Aug-September 2024	Kendra L. Kloth	Employee Benefits, Expenses	119.06
74918	09/24/24	kub001	Sep-24	Kyle W. Kubitz	Employee Benefits, Expenses	40.00
74919	09/24/24	lak003	24-15 CS	Lake Grove Condominium Association	Stewardship Grant Program	7,211.50
74920	09/24/24	lan009	2808	Landbridge Ecological, Inc.	Construction Improvements/Project Maint. & Rep.	11,060.80
74921	09/24/24	lav001	24-31 CS	Sean LaVallie	Stewardship Grant Program	2,638.93
74922	09/24/24	lea002	411815	League of Minnesota Cities	Dues/Publications	786.00
74923	09/24/24	lea003	17-1001	L. Tracy Leavenworth	Communications/Outreach/Events	7,362.50
74924	09/24/24	mel001	Aug/Sept 2024	Michelle L. Melsner	Employee Benefits, Expenses	82.19
74925	09/24/24	met012	2141	Metro-INET	Roseville IT Services/Web Site; Telephone	8,211.00
74926	09/24/24	min008	6804	Minnesota Native Landscapes, Inc.	Stewardship Grant Prog./School/Comm. Site Retrofit Proj	850.00
74927	09/24/24	oak004	20106174	Oak Meadows Landscape/Design, Inc.	Stewardship Grant Program	775.00
74928	09/24/24	one001	22-01 MTN	Ann O'Neill	Stewardship Grant Program	74.28
74929	09/24/24	pac001	Sep-24	Pace Analytical Services, Inc.	Water Monitoring Program	28,547.20
74930	09/24/24	pas002	Sep-24	Carol Passi	Employee Benefits, Expenses	403.67
74931	09/24/24	pet001	Progress Payment #2	Peterson Companies, Inc.	Construction Improvements/Targeted Retrofit Proj.	392,599.27
74932	09/24/24	pet006	23-36 CS	Gina Petschauer	Stewardship Grant Program	128.88
74933	09/24/24	pra001	2426321600	Prairie Moon Nursery, Inc.	Natural Resources Program	135.00
74934	09/24/24	qwe001	Sep 10, 2024	CenturyLink	Project Operations	273.67
74935	09/24/24	red002	150489752	Redpath & Company, LLC.	Accounting	3,511.00
74936	09/24/24	ric005	Sep-24	Ashlee M. Ricci	Employee Benefits, Expenses	357.64
74937	09/24/24	rmb001	M2400179	RMB Environmental Laboratories	Water Monitoring Program	8,817.20
74938	09/24/24	roc001	3217	Rock Leaf Water Environmental LLC	Construction Improvements/Project Maint. & Rep.	4,169.16
74939	09/24/24	san003	082424	Sandstrom Land Management	Construction Improvements/Project Maint. & Rep.	3,000.00
74940	09/24/24	sod001	Sep 2024	Nicole Maras	Employee Benefits, Expenses	77.36
74941	09/24/24	til002	Sep-24	Joseph S. Tillotson	Employee Benefits, Expenses	46.03
74942	09/24/24	uli001	182745596	Uline	Natural Resources Program	114.72
74943	09/24/24	vik001	3296206	Viking Industrial Center	Water Monitoring Program	150.00
74944	09/24/24	was002	6678	Washington Conservation District	Stewardship Grant Program	2,586.00
74945	09/24/24	wil007	Sept 2024	Patrick D. Williamson	Employee Benefits, Expenses	154.76
74946	09/24/24	wil010	24-13 CS	Grace Wilson	Stewardship Grant Program	563.53
<b>Total</b>						<b>\$720,669.32</b>

**Ramsey Washington Metro Watershed Dist.**  
**Check Register**  
**For the Period From September 1, 2024 to Septemebr 30, 2024**

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	09/13/24	myp001	09/13/24	September 13th Payroll	4110-101-000	88.65
EFT	09/27/24	myp001	09/27/24	September 27th Payroll	4110-101-000	90.85
Dir.Dep.	09/13/24	---	Payroll Expense-Net	September 13th Payroll	4010-101-000	37,456.65
EFT	09/13/24	int002	Internal Rev.Serv.	September 13th Federal Withholding	2001-101-000	13,472.14
EFT	09/13/24	mnd001	MN Revenue	September 13th State Withholding	2003-101-000	2,280.29
EFT	09/13/24	per001	PERA	September 13th PERA	2011-101-000	7,443.08
EFT	09/13/24	emp002	Empower Retirement	Employee Def. Comp. Contributions	2016-101-000	2,043.00
EFT	09/13/24	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	1,879.00
Dir.Dep.	09/27/24	---	Payroll Expense-Net	September 27th Payroll	4010-101-000	38,775.62
EFT	09/27/24	int002	Internal Rev.Serv.	September 27th Federal Withholding	2001-101-000	13,644.85
EFT	09/27/24	mnd001	MN Revenue	September 27th State Withholding	2003-101-000	2,285.27
EFT	09/27/24	per001	PERA	September 27th PERA	2011-101-000	7,551.15
EFT	09/27/24	emp002	Empower Retirement	Employee Def. Comp. Contributions	2016-101-000	2,043.00
EFT	09/27/24	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	1,879.00
<b>Payroll/Benefits:</b>						<b><u>\$130,932.55</u></b>
<b>Total</b>	<b>Accounts Payable/Payroll/Benefits:</b>					<b><u>\$851,601.87</u></b>

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From September 1, 2024 to September 30, 2024**

Date	Check #	Vendor ID	Name	Account ID	Description	Amount
09/03/24	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits	\$14,512.09
09/01/24	EFT	met008	MetLife-Group Benefits	4040-101-000	Employee Benefits	1,876.85
09/19/24	EFT	usb002	U.S. Bank			4,688.47
				4320-101-000	Office Supplies	50.40
				4320-101-000	Office Supplies	14.50
				4365-101-000	Committee/Board Meeting Expenses	19.44
				4350-101-000	Training & Education	163.34
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses	96.40
				4350-101-000	Training & Education	(145.00)
				4170-101-000	Database/GIS Maintenance	168.00
				4320-101-000	Office Supplies	12.55
				4697-101-000	Health and Safety Program	32.76
				4342-101-000	Utilities/Building Services Contracts	67.34
				4703-101-000	Equipment	132.00
				4350-101-000	Training & Education	800.00
				4350-101-000	Training & Education	375.00
				4350-101-000	Training & Education	400.00
				4650-101-000	Project Operations	28.55
				4650-101-000	Project Operations	32.47
				4371-101-000	Communications/Outreach/Events	37.78
				4670-101-000	Natural Resources Program	41.00
				4697-101-000	Health and Safety Program	33.60
				4371-101-000	Communications/Outreach/Events	143.18
				4371-101-000	Communications/Outreach/Events	115.38
				4371-101-000	Communications/Outreach/Events	24.02
				4371-101-000	Communications/Outreach/Events	5.70
				4697-101-000	Health and Safety Program	14.00
				4365-101-000	Committee/Board Meeting Expenses	50.13
				4365-101-000	Committee/Board Meeting Expenses	7.52
				4350-101-000	Training & Education	125.00
				4530-101-000	Water Monitoring Program	8.99
				4650-101-000	Project Operations	349.00
				4371-101-000	Communications/Outreach/Events	60.00
				4371-101-000	Communications/Outreach/Events	45.00
				4350-101-000	Training & Education	35.00
				4342-101-000	Utilities/Building Services Contracts	224.00
				4670-101-000	Natural Resources Program	250.00
				4670-101-000	Natural Resources Program	250.00
				4350-101-000	Training & Education	180.00
				4350-101-000	Training & Education	74.00
				4350-101-000	Training & Education	180.00
				4350-101-000	Training & Education	180.00
				4371-101-000	Communications/Outreach/Events	4.06
				4170-101-000	Database/GIS Maintenance	3.36
09/12/24	74878	ada002	Adam's Pest Control, Inc.	4342-101-000	Utilities/Building Services Contracts	94.72
09/12/24	74879	adg001	AD Greenroof LLC	4682-518-000	Stewardship Grant Prog./School/Comm. Site Retrofit Proj.	937.50

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From September 1, 2024 to September 30, 2024**

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
09/12/24	74880	ame008	American Engineering Testing, Inc.	4682-518-000	Stewardship Grant Prog./School/Comm. Site Retrofit Proj.	2,932.00	
09/12/24	74881	atc001	Janey Atchison	4682-529-000	Stewardship Grant Program	6,075.00	
09/12/24	74882	aws001	AWS Service Center	4341-101-000	Janitorial/Trash/Plowing/Sweeping	344.02	
09/12/24	74883	bat003	Batteries Plus	4820-101-000	Vehicle Maintenance	176.35	
09/12/24	74884	bws001	MN Board of Water & Soil Resources	4350-101-000	Training & Education	30.00	
09/12/24	74885	eld001	Anna Eldridge	4682-529-000	Stewardship Grant Program	115.82	
09/12/24	74886	fle001	Flemings Auto Service	4820-101-000	Vehicle Maintenance	12.00	
09/12/24	74887	gil001	Gilbert Mechanical Contractors, Inc.	4343-101-000	Building/Site Maintenance	1,199.09	
09/12/24	74888	lee002	Hanna Lee	4370-101-000	Education Program	250.00	
09/12/24	74889	met004	Metro Sales, Inc.	4371-101-000	Communications/Outreach/Events	59.70	
09/12/24	74890	mid003	Roseville Midway Ford	4820-101-000	Vehicle Maintenance	1,256.20	
09/12/24	74891	ncp001	NCPERS Group Life Ins.	4040-101-000	Employee Benefits	16.00	
09/12/24	74892	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Building Services Contracts	34.00	
09/12/24	74893	saf001	Safety Signs LLC	4630-518-000	Construction Imp./Targeted Retrofit Projects	347.20	
09/12/24	74894	sai001	Saint Paul Media	4371-101-000	Communications/Outreach/Events	100.00	
09/12/24	74895	sun003	Russell Sundquist	4682-529-000	Stewardship Grant Program	2,175.00	
09/12/24	74896	usb005	US Bank Equipment Finance	4335-101-000	Printing/Copier Lease	447.58	
09/24/24	74897	ahl001	Paige Ahlborg			287.37	
				4040-101-000	Employee Benefits		118.62
				4020-101-000	Employee Expenses		114.57
				4320-101-000	Office Supplies		54.18
09/24/24	74898	ame008	American Engineering Testing, Inc.	4682-518-000	Stewardship Grant Prog./School/Comm. Site Retrofit Proj.	1,231.00	
09/24/24	74899	bar001	Barr Engineering			109,507.63	
				4121-101-000	Engineering Admin		5,996.50
				4123-101-000	Engineering Review		5,869.00
				4129-101-000	Project Feasability		80.00
				4129-101-000	Project Feasability		160.00
				4129-101-000	Project Feasability		194.00
				4129-101-000	Project Feasability		292.50
				4129-101-000	Project Feasability		2,487.50
				4520-101-000	WQM-Engineering		306.50
				4520-101-000	WQM-Engineering		1,244.75
				4520-101-000	WQM-Engineering		77.50
				4122-101-000	Permit Application I & E		1,309.50
				4124-101-000	Eng. Permit Review		7,026.50
				4661-101-000	SLMP/TMDL Studies		391.00
				4695-101-000	Research Projects		752.50
				4650-101-000	Project Operations		1,762.98
				4650-101-000	Project Operations		6,946.21
				4128-518-000	Engineering -Targeted Retrofit		21,175.21
				4128-518-000	Engineering -Targeted Retrofit		8,163.50
				4128-518-000	Engineering -Targeted Retrofit		5,226.00
				4682-529-000	Stewardship Grant Program		1,676.50
				4128-518-000	Engineering -Targeted Retrofit		796.82
				4129-537-000	Driveway Fish Creek Tributary		2,358.00
				4128-540-000	Eng. Projects-Wetlands		830.40

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From September 1, 2024 to September 30, 2024**

Date	Check #	Vendor ID	Name	Account ID	Description	Amount
				4128-520-000	Engineering -Flood Damage	2,992.28
				4128-520-000	Engineering -Flood Damage	1,671.00
				4128-516-000	Eng. Projects-Maint & Repair	22,246.60
				4128-516-000	Eng. Projects-Maint & Repair	695.74
				4128-516-000	Eng. Projects-Maint & Repair	195.00
				4128-516-000	Eng. Projects-Maint & Repair	6,583.64
09/24/24	74900	bau001	Paul & Lee Bauer	4682-529-000	Stewardship Grant Program	390.71
09/24/24	74901	bit001	Bituminous Roadways	4630-516-000	Construction Improvements/Project Maint. & Rep.	33,040.05
09/24/24	74902	cad001	Zayo Group, LLC	4530-101-000	Water Monitoring Program	203.19
09/24/24	74903	car007	Carp Solutions, LLC	4670-101-000	Natural Resources Program	12,760.00
09/24/24	74904	cit006	City of Woodbury	4682-529-000	Stewardship Grant Program	3,300.00
09/24/24	74905	cit011	City of Roseville	4682-529-000	Stewardship Grant Program	1,200.00
09/24/24	74906	cit011	City of Roseville	4682-529-000	Stewardship Grant Program	3,216.00
09/24/24	74907	dav003	Davey Resource Group, Inc.	4630-516-000	Construction Improvements/Project Maint. & Rep.	8,423.03
09/24/24	74908	den001	Sue Denkinger	4682-529-000	Stewardship Grant Program	7,222.63
09/24/24	74909	fit002	Mary Fitzgerald			569.05
				4040-101-000	Employee Benefits	60.30
				4020-101-000	Employee Expenses	58.75
				4341-101-000	Janitorial/Trash/Plowing/Sweeping	450.00
09/24/24	74910	fit003	Emily F. Kamin		Employee Benefits, Expenses	640.00
				4040-101-000	Employee Benefits	40.00
				4342-101-000	Utilities/Building Services Contracts	600.00
09/24/24	74911	fla002	Flats on 94	2024-101-000	Escrow Refunds	5,225.00
09/24/24	74912	fra005	Brian Frank	4682-529-000	Stewardship Grant Program	1,086.65
09/24/24	74913	gal001	Galowitz Olson, PLLC	4131-101-000	Attorney-General	2,075.00
09/24/24	74914	haw001	Hawkins, Inc.	4650-101-000	Project Operations	7,422.20
09/24/24	74915	hod001	Roberta Hodgins	4682-529-000	Stewardship Grant Program	284.49
09/24/24	74916	int001	Office of MN, IT Services	4310-101-000	Telephone	59.38
09/24/24	74917	klo001	Kendra L. Kloth			119.06
				4040-101-000	Employee Benefits	40.00
				4020-101-000	Employee Expenses	79.06
09/24/24	74918	kub001	Kyle W. Kubitza	4040-101-000	Employee Benefits	40.00
09/24/24	74919	lak003	Lake Grove Condominium Association	4682-529-000	Stewardship Grant Program	7,211.50
09/24/24	74920	lan009	Landbridge Ecological, Inc.	4630-516-000	Construction Improvements/Project Maint. & Rep.	11,060.80
09/24/24	74921	lav001	Sean LaVallie	4682-529-000	Stewardship Grant Program	2,638.93
09/24/24	74922	lea002	League of Minnesota Cities	4338-101-000	Dues/Publications	786.00
09/24/24	74923	lea003	L. Tracy Leavenworth	4371-101-000	Communications/Outreach/Events	7,362.50
09/24/24	74924	mel001	Michelle L. Melser			82.19
				4040-101-000	Employee Benefits	39.31
				4020-101-000	Employee Expenses	42.88
09/24/24	74925	met012	Metro-INET			8,211.00
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses	142.00
				4310-101-000	Telephone	8,069.00
09/24/24	74926	min008	Minnesota Native Landscapes, Inc.	4682-518-000	Stewardship Grant Prog./School/Comm. Site Retrofit Proj.	850.00
09/24/24	74927	oak004	Oak Meadows Landscape/Design, Inc.	4682-529-000	Stewardship Grant Program	775.00
09/24/24	74928	one001	Ann O'Neill	4682-529-000	Stewardship Grant Program	74.28

**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From September 1, 2024 to September 30, 2024**

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
09/24/24	74929	pac001	Pace Analytical Services, Inc.	4530-101-000	Water Monitoring Program	28,547.20	
09/24/24	74930	pas002	Carol Passi			403.67	
				4020-101-000	Employee Expenses		301.50
				4040-101-000	Employee Benefits		40.00
				4371-101-000	Communications/Outreach/Events		62.17
09/24/24	74931	pet001	Peterson Companies, Inc.	4630-518-000	Construction Improvements/Targeted Retrofit Proj.	392,599.27	
09/24/24	74932	pet006	Gina Petschauer	4682-529-000	Stewardship Grant Program	128.88	
09/24/24	74933	pra001	Prairie Moon Nursery, Inc.	4670-101-000	Natural Resources Program	135.00	
09/24/24	74934	qwe001	CenturyLink	4650-101-000	Project Operations	273.67	
09/24/24	74935	red002	Redpath & Company, LLC.	4110-101-000	Accounting	3,511.00	
09/24/24	74936	ric005	Ashlee M. Ricci			357.64	
				4020-101-000	Employee Expenses		198.39
				4040-101-000	Employee Benefits		120.00
				4371-101-000	Communications/Outreach/Events		39.25
09/24/24	74937	rmb001	RMB Environmental Laboratories	4530-101-000	Water Monitoring Program	8,817.20	
09/24/24	74938	roc001	Rock Leaf Water Environmental LLC	4630-516-000	Construction Improvements/Project Maint. & Rep.	4,169.16	
09/24/24	74939	san003	Sandstrom Land Management	4630-516-000	Construction Improvements/Project Maint. & Rep.	3,000.00	
09/24/24	74940	sod001	Nicole Maras			77.36	
				4040-101-000	Employee Benefits		38.50
				4020-101-000	Employee Expenses		38.86
09/24/24	74941	til002	Joseph S. Tillotson			46.03	
				4040-101-000	Employee Benefits		40.00
				4020-101-000	Employee Expenses		6.03
09/24/24	74942	uli001	Uline	4670-101-000	Natural Resources Program	114.72	
09/24/24	74943	vik001	Viking Industrial Center	4530-101-000	Water Monitoring Program	150.00	
09/24/24	74944	was002	Washington Conservation District	4682-529-000	Stewardship Grant Program	2,586.00	
09/24/24	74945	wil007	Patrick D. Williamson			154.76	
				4040-101-000	Employee Benefits		40.00
				4020-101-000	Employee Expenses		24.79
				4670-101-000	Natural Resources Program		89.97
09/24/24	74946	wil010	Grace Wilson	4682-529-000	Stewardship Grant Program	563.53	
<b>Total</b>						<b>\$720,669.32</b>	



**Ramsey Washington Metro Watershed Dist.**  
**Cash Disbursements Journal**  
**For the Period From September 1, 2024 to September 30, 2024**


Date	Check #	Vendor ID	Name	Account ID	Description	Amount
09/13/24	EFT	myp001	September 13th Payroll	4110-101-000	September 13th Payroll	88.65
09/27/24	EFT	myp001	September 27th Payroll	4110-101-000	September 27th Payroll	90.85
09/13/24	Dir.Dep.	---	September 13th Payroll	4010-101-000	September 13th Payroll	37,456.65
09/13/24	EFT	int002	September 13th Federal Withholding	2001-101-000	September 13th Federal Withholding	13,472.14
09/13/24	EFT	mnd001	September 13th State Withholding	2003-101-000	September 13th State Withholding	2,280.29
09/13/24	EFT	per001	September 13th PERA	2011-101-000	September 13th PERA	7,443.08
09/13/24	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	2,043.00
09/13/24	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	1,879.00
09/27/24	Dir.Dep.	---	September 27th Payroll	4010-101-000	September 27th Payroll	38,775.62
09/27/24	EFT	int002	September 27th Federal Withholding	2001-101-000	September 27th Federal Withholding	13,644.85
09/27/24	EFT	mnd001	September 27th State Withholding	2003-101-000	September 27th State Withholding	2,285.27
09/27/24	EFT	per001	September 27th PERA	2011-101-000	September 27th PERA	7,551.15
09/27/24	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	2,043.00
09/27/24	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	1,879.00
<b>Payroll/Benefits:</b>						<b><u>\$130,932.55</u></b>
<b>Total</b>						<b><u>Accounts Payable/Payroll/Benefits:</u></b>
						<b><u>\$851,601.87</u></b>



Summary of Professional Engineering Services During the Period  
August 17 through September 13, 2024

	Total Engineering Budget (2024)	Total Fees to Date (2024)	Budget Balance (2024)	Fees During Period	District Accounting Code	Plan Implementation Task Number
<b>Engineering Administration</b>						
General Engineering Administration	\$92,000.00	\$68,633.36	\$23,366.64	\$5,996.50	4121-101	DW-13
RWMWD Health and Safety/ERTK Program (Training)	\$2,000.00	\$936.00	\$1,064.00	\$0.00	4697-101	DW-13
RWMWD Health and Safety Manual Update	\$5,000.00	\$4,603.50	\$396.50	\$0.00	4350-101	DW-13
Education Assistance	\$30,000.00	\$4,280.50	\$25,719.50	\$0.00	4129-101	DW-13
<b>Engineering Review</b>						
Engineering Review	\$75,000.00	\$45,062.69	\$29,937.31	\$5,869.00	4123-101	DW-13
<b>Project Feasibility Studies</b>						
Resiliency Study for non-Beltline tributary areas (pre-planning study and evaluation of existing data)	\$45,000.00	\$65,233.66	-\$20,233.66	\$0.00	4128-520	DW-9
Kohlman Creek Flood Damage Reduction Feasibility Study	\$5,000.00	\$3,520.00	\$1,480.00	\$0.00	4129-101	DW-9, KC-2
Owasso Basin/North Star Estates Improvements Feasibility Study	\$10,000.00	\$6,040.00	\$3,960.00	\$0.00	4129-101	GC-3
Phalen Village Improvements	\$10,000.00	\$13,898.15	-\$3,898.15	\$0.00	4129-101	DW-9
Evaluate compliance with South Metro Mississippi River TSS TMDL	\$20,000.00	\$70.00	\$19,930.00	\$0.00	4129-101	MR-2
Street Sweeping	\$20,000.00	\$11,436.50	\$8,563.50	\$80.00	4129-101	DW-6, DW-15
Retrofit Inventory	\$60,000.00	\$22,194.22	\$37,805.78	\$160.00	4129-101	DW-17, DW-20
Tanners, Battle Creek Lake, McKnight Basin outlet operation plan	\$35,000.00	\$4,167.00	\$30,833.00	\$194.00	4129-101	DW-9
Ames Lake Feasibility Study	\$5,000.00	\$1,328.50	\$3,671.50	\$292.50	4129-101	DW-9, BELT-1
Interim Emergency Response Plans	\$5,000.00	\$585.00	\$4,415.00	\$0.00	4129-101	DW-9
Maplewood Mall 2024 Assessment	\$20,000.00	\$36,279.80	-\$16,279.80	\$2,487.50	4129-101	DW-5, DW-12
Resiliency Study for non-Beltline tributary areas - feasibility studies placeholder	\$50,000.00	\$0.00	\$50,000.00	\$0.00	4129-101	DW-9
Contingency*	\$20,000.00	\$0.00	\$20,000.00	\$0.00	4129-101	
<b>GIS Maintenance</b>						
GIS Maintenance	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4170-101	DW-13
<b>Monitoring Water Quality/Project Monitoring</b>						
Lake Water Quality Monitoring (Misc QA/QC)	\$10,000.00	\$576.00	\$9,424.00	\$306.50	4520-101	DW-2
Annual WQ Report Assistance	\$20,000.00	\$19,481.50	\$518.50	\$0.00	4520-101	DW-2
Special Project BMP Monitoring	\$30,000.00	\$9,527.89	\$20,472.11	\$1,244.75	4520-101	DW-12
Grass Lake Berm Wetland Monitoring	\$15,000.00	\$6,419.44	\$8,580.56	\$77.50	4520-101	DW-5, DW-8
Battle Creek Monitoring to address TMDL	\$15,000.00	\$2,615.00	\$12,385.00	\$0.00	4520-101	DW-1, DW-2
Battle Creek Monitoring to address TMDL (Barr Staff doing the monitoring)	\$15,000.00	\$0.00	\$15,000.00	\$0.00	4520-101	DW-1, DW-2
<b>Permit Processing, Inspection and Enforcement</b>						
Permit Application Inspection and Enforcement	\$10,000.00	\$7,765.72	\$2,234.28	\$1,309.50	4122-101	DW-7
Permit Application Review	\$65,000.00	\$53,235.50	\$11,764.50	\$7,026.50	4124-101	DW-7
<b>Watershed Management Plan Update</b>						
Stakeholder Engagement	\$20,000.00	\$0.00	\$20,000.00	\$0.00	4661-101	DW-21
Gaps Analysis/WMP Update Scoping	\$10,000.00	\$5,464.00	\$4,536.00	\$391.00	4661-101	DW-13, DW-20
Ecosystem Restoration Plan (or "Ecosystem Health Action Plan")	\$50,000.00	\$0.00	\$50,000.00	\$0.00	4661-101	DW-8, DW-14
<b>Lake Studies/TMDL Reports</b>						
West Vadnais Lake Incorporation	\$15,000.00	\$0.00	\$15,000.00	\$0.00	4661-101	DW-2
2024 Grant Applications	\$20,000.00	\$14,356.00	\$5,644.00	\$0.00	4661-101	DW-13
Prioritization of water quality projects from subwatershed feasibility studies	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4661-101	DW-20
Carver Ponds Internal Load Reduction	\$12,000.00	\$0.00	\$12,000.00	\$0.00	4661-101	DW-12
Contingency for Lake Studies	\$22,500.00	\$0.00	\$22,500.00	\$0.00	4661-101	
<b>Research Projects</b>						
New Technology Mini Case Studies (average 6 per year)	\$15,000.00	\$12,407.50	\$2,592.50	\$752.50	4695-101	DW-12
Kohlman Lake Aquatic Plant Management Effects Study	\$20,000.00	\$35,370.00	-\$15,370.00	\$0.00	4695-101	DW-12
Shallow Lake Aeration Study Finalization	\$5,000.00	\$3,480.50	\$1,519.50	\$0.00	4695-101	DW-12
<b>Project Operations</b>						
2024 Tanners Alum Facility Monitoring	\$17,000.00	\$16,243.43	\$756.57	\$1,762.98	4650-101	TaL-3
Phalen/Keller and Twin Operations Support & Communications	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4650-101	DW-5, DW-13, DW-18
Lake Level Station Operation and Maintenance	\$50,000.00	\$48,880.40	\$1,119.60	\$6,946.21	4650-101	DW-5, DW-18
<b>Capital Improvements</b>						
Woodbury Target	\$193,200.00	\$285,476.26	-\$92,276.26	\$21,175.21	4128-518	DW-6
Roosevelt Homes	\$33,600.00	\$56,320.20	-\$22,720.20	\$8,163.50	4128-518	DW-6, DW-9
Targeted Retrofit Projects 2024	\$150,000.00	\$29,439.89	\$120,560.11	\$5,226.00	4128-518	DW-6
Stewardship Grant Program	\$75,000.00	\$26,544.80	\$48,455.20	\$1,676.50	4682-529	DW-6
Owasso Basin Flood Risk Reduction	\$200,000.00	\$13,996.27	\$186,003.73	\$0.00	4128-520	GC-3
Pioneer Park Stormwater Reuse	\$50,000.00	\$25,327.69	\$24,672.31	\$796.82	4128-518	DW-6
Double Driveway and Fish Creek Tributary Improvements	\$150,000.00	\$130,306.95	\$19,693.05	\$2,358.00	4129-537	FC-2
Cottage Place Wetland	\$113,800.00	\$101,427.56	\$12,372.44	\$830.40	4128-540	DW-6, DW-8, DW-14, LE-2, LE-3
Ames Lake improvements	\$250,000.00	\$0.00	\$250,000.00	\$0.00	4128-520	DW-9, BELT-1
PCU Pond improvements	\$150,000.00	\$0.00	\$150,000.00	\$0.00	4128-520	DW-9, KC-2
County Road C culvert capacity	\$50,000.00	\$68,230.81	-\$18,230.81	\$2,992.28	4128-520	DW-9, KC-2
Lake Emily Subwatershed BMP	\$175,800.00	\$195,256.55	-\$19,456.55	\$0.00	4128-518	LE-3
Kohlman Creek Storage and Detention	\$150,000.00	\$22,076.00	\$127,924.00	\$1,671.00	4128-520	DW-9, KC-2
Kohlman Lake Alum Treatment	\$71,300.00	\$1,067.50	\$70,232.50		4128-518	
<b>CIP Project Repair &amp; Maintenance</b>						
Routine CIP Inspection and Unplanned Maintenance Identification	\$125,000.00	\$73,578.98	\$51,421.02	\$22,246.60	4128-516	DW-5
2024 CIP Maintenance and Repairs	\$106,500.00	\$76,320.87	\$30,179.13	\$695.74	4128-516	DW-5
2025 Beltline 5-year Inspection	\$175,000.00	\$195.00	\$174,805.00	\$195.00	4128-516	BELT-2
Beltline long-term fix near river outfall	\$250,000.00	\$177,890.55	\$72,109.45	\$6,583.64	4128-516	BELT-2

Barr declares under the penalties of Law that this Account, **\$109,507.63**  
Claim, or Demand is just and that no part has been paid.

  
\_\_\_\_\_  
Bradley J. Lindaman, Vice President

**County Road C Culvert Replacement Progress Payment Number 1**

1.0	Total Completed Through This Period:	<u>\$34,779.00</u>		
2.0	Total Completed Previously Completed:		<u>\$0.00</u>	
3.0	Total Completed This Period:			<u>\$34,779.00</u>
4.0	Amount Previously Retained:		<u>\$0.00</u>	
5.0	Amount Retained This Period:			<u>\$1,738.95</u>
6.0	Total Amount Retained:		<u>\$1,738.95</u>	
7.0	Retainage Released Through This Period:			<u>\$0.00</u>
8.0	Total Retainage Remaining:		<u>\$1,738.95</u>	
9.0	Amounts Previously Paid:	<u>\$0.00</u>		
10.0	Amount Due This Estimate:			<u><u>\$33,040.05</u></u>

Retainage shall be 5 percent of the value of the Work completed.

**SUBMITTED BY:**

Name: Cole Denver Date: \_\_\_\_\_  
Title: Project Manager  
Contractor: Bituminous Roadways, Inc.

Signature: \_\_\_\_\_

**RECOMMENDED BY:**

Name: Tyler Olsen Date: \_\_\_\_\_  
Title: Project Engineer  
Engineer: Barr Engineering Company

Signature: \_\_\_\_\_

**APPROVED BY:**

Name: Val Eisele Date: \_\_\_\_\_  
Title: President  
Owner: Ramsey-Washington Metro Watershed District

Signature: \_\_\_\_\_

**County Road C Culvert Replacement**  
**Ramsey-Washington Metro Watershed District**  
**Summary of Work Completed Through September 17, 2024 for Progress Payment Number 1**

Item	Description	Unit	Estimated Quantity	Unit Price	Extension	(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
						Quantity	Amount	Quantity	Amount	Quantity	Amount
A	Mobilization/Demobilization	LS	1	\$18,550.00	\$18,550.00	0.25	\$4,637.50	0.00	\$0.00	0.25	\$4,637.50
B	Traffic Control	LS	1	\$3,630.00	\$3,630.00	1	\$3,630.00	0.00	\$0.00	0	\$3,630.00
C	Rock Construction Entrance	EA	1	\$1,080.00	\$1,080.00	0	\$0.00	0.00	\$0.00	0	\$0.00
D	Mud Mat Construction Entrance	EA	1	\$650.00	\$650.00	0	\$0.00	0	\$0.00	0	\$0.00
E	Sediment Log	LF	522	\$2.50	\$1,305.00	295	\$737.50	0	\$0.00	295	\$737.50
F	Rock Filter Dike	EA	1	\$1,330.00	\$1,330.00	1	\$1,330.00	0	\$0.00	1	\$1,330.00
G	Inlet Protection - Filter Sack	EA	2	\$165.00	\$330.00	2	\$330.00	0	\$0.00	2	\$330.00
H	Seeding and Erosion Control Blanket	SY	1500	\$4.00	\$6,000.00	0	\$0.00	0	\$0.00	0	\$0.00
I	Removal of Trees, Brush, and Debris (Disposal Off Site)	LS	1	\$14,000.00	\$14,000.00	1	\$14,000.00	0	\$0.00	1	\$14,000.00
J	Remove and Dispose of 42" Pipe Culvert	LF	130	\$20.00	\$2,600.00	0	\$0.00	0	\$0.00	0	\$0.00
K	Sawcut Pavement (All Types and Thickness)	LF	90	\$3.50	\$315.00	90	\$315.00	0	\$0.00	90	\$315.00
L	Remove and Dispose Bituminous Road Pavement	SY	570	\$3.00	\$1,710.00	324	\$972.00	0	\$0.00	324	\$972.00
M	Remove and Dispose Bituminous Driveway Pavement	SY	200	\$8.00	\$1,600.00	124	\$992.00	0	\$0.00	124	\$992.00
N	Remove Sanitary Sewer Pipe and Manhole	LF	70	\$11.00	\$770.00	0	\$0.00	0	\$0.00	0	\$0.00
O	Remove Water Main	LF	74	\$6.50	\$481.00	0	\$0.00	0	\$0.00	0	\$0.00
P	Temporary Culvert Inlet Restriction (CMU)	SF	47	\$295.00	\$13,865.00	0	\$0.00	0	\$0.00	0	\$0.00
Q	Strip, Salvage, and Replace Topsoil (6-in Depth)	CY	80	\$24.00	\$1,920.00	40	\$960.00	0	\$0.00	40	\$960.00
R	Common Embankment (P)	CY	900	\$13.00	\$11,700.00	0	\$0.00	0	\$0.00	0	\$0.00
S	Select Granular Material	CY	900	\$22.00	\$19,800.00	0	\$0.00	0	\$0.00	0	\$0.00
T	Fine Aggregate Bedding	CY	200	\$70.00	\$14,000.00	0	\$0.00	0	\$0.00	0	\$0.00
U	Import Culvert Infill Substrate	CY	70	\$81.00	\$5,670.00	0	\$0.00	0	\$0.00	0	\$0.00
V	Aggregate Base Class 6	CY	100	\$30.00	\$3,000.00	0	\$0.00	0	\$0.00	0	\$0.00
W	Riprap (Mn/DOT Class III)	TON	60	\$135.00	\$8,100.00	0	\$0.00	0	\$0.00	0	\$0.00
X	Import and Place Topsoil	CY	200	\$68.00	\$13,600.00	0	\$0.00	0	\$0.00	0	\$0.00
Y	Common Excavation (P)	CY	2000	\$25.00	\$50,000.00	0	\$0.00	0	\$0.00	0	\$0.00
Z	Water Management	LS	1	\$27,500.00	\$27,500.00	0.25	\$6,875.00	0	\$0.00	0	\$6,875.00
AA	Bituminous Mixture SPWEA440C (SP 9.5 Wear Course 4,C), with Tack Coatings	TON	160	\$115.00	\$18,400.00	0	\$0.00	0	\$0.00	0	\$0.00
AB	Bituminous Mixture SPNWB430B (SP 12.5 Non-wear Course 4,B)	TON	100	\$100.00	\$10,000.00	0	\$0.00	0	\$0.00	0	\$0.00
AC	Concrete Curb & Gutter, MnDOT Design B624	LF	40	\$125.00	\$5,000.00	0	\$0.00	0	\$0.00	0	\$0.00
AD	Bituminous Curb	LF	260	\$15.00	\$3,900.00	0	\$0.00	0	\$0.00	0	\$0.00
AE	Painted Pavement Markings	LS	1	\$6,785.00	\$6,785.00	0	\$0.00	0	\$0.00	0	\$0.00
AF	Ductile Iron Pipe Water Main	LF	74	\$150.00	\$11,100.00	0	\$0.00	0	\$0.00	0	\$0.00
AG	Temporary Water Service	EA	2	\$0.01	\$0.02	0	\$0.00	0	\$0.00	0	\$0.00
AH	12" Sanitary Sewer Pipe	LF	70	\$100.00	\$7,000.00	0	\$0.00	0	\$0.00	0	\$0.00
AI	Temporary Sewer Service	EA	2	\$2,750.00	\$5,500.00	0	\$0.00	0	\$0.00	0	\$0.00
AJ	Sanitary Sewer Manhole, 48" Dia. (incl. Casting)	EA	1	\$9,290.00	\$9,290.00	0	\$0.00	0	\$0.00	0	\$0.00
AK	Drainage Structure, 48" Dia. MnDOT Design 4022 (incl. Casting)	EA	2	\$11,000.00	\$22,000.00	0	\$0.00	0	\$0.00	0	\$0.00
AL	14' Span X 4' Rise Concrete Box Culvert (MnDOT Class 3)	LF	120	\$1,985.00	\$238,200.00	0	\$0.00	0	\$0.00	0	\$0.00
AM	14' Span X 4' Rise Concrete Box Culvert End Section (MnDOT Type I)	EA	2	\$17,900.00	\$35,800.00	0	\$0.00	0	\$0.00	0	\$0.00

**Contract Base Extensions =      \$596,481.02                      \$34,779.00                      0                      \$0.00                      0                      \$34,779.00**


**Target - Woodbury Stormwater Retrofit  
Progress Payment Number 2 - Peterson**

1.0	Total Completed Through This Period:	<u>\$550,077.37</u>		
2.0	Total Previously Completed:		<u>\$ 136,814.98</u>	
3.0	Total Completed This Period:			<u>\$413,262.39</u>
4.0	Amount Previously Retained:		<u>\$6,840.75</u>	
5.0	Amount Retained This Period (See Note 1):			<u>\$20,663.12</u>
6.0	Total Amount Retained (See Note 1):		<u>\$27,503.87</u>	
7.0	Retainage Released Through This Period:			<u>\$0.00</u>
8.0	Total Retainage Remaining:		<u>\$27,503.87</u>	
9.0	Amount Previously Paid:	<u>\$129,974.23</u>		
10.0	Amount Due This Estimate:			<u><u>\$392,599.27</u></u>

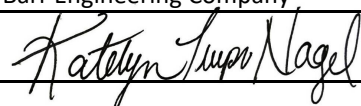
Note 1: At a rate of 5%

Note 2:	Original contract price:	\$	520,949.79
	Change Order 1:	\$	16,073.93
	Current contract price:	\$	537,023.72

**SUBMITTED BY:**

Name: Brad Nelson Date: 9/20/24  
Title: Project Manager  
Contractor: Peterson Companies  
Signature: 

**RECOMMENDED BY:**

Name: Katie Turpin-Nagel Date: 9/20/2024  
Title: Project Engineer  
Engineer: Barr Engineering Company  
Signature: 

**APPROVED BY:**

Name: Val Eisele Date: \_\_\_\_\_  
Title: President  
Owner: Ramsey-Washington Metro Watershed District  
Signature: \_\_\_\_\_

**Target - Woodbury Stormwater Retrofit**  
**Ramsey-Washington Metro Watershed District**  
**Summary of Work Completed Through September 19, 2024 for Progress Payment Number 2**

						(1) Total Completed Through this Period		(2) Total Completed Through Previous Periods		(3) Completed This Period	
Item	Description	Unit	Bidding Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
A	Mobilization	LS	1	\$ 42,480.00	\$ 42,480.00	1.0	\$ 42,480.00	0.7	\$ 29,736.00	0.3	\$ 12,744.00
B	Construction Layout and Staking	LS	1	\$ 16,060.00	\$ 16,060.00	1	\$ 16,060.00	0.75	\$ 12,045.00	0.25	\$ 4,015.00
C	Inlet Protection (P)	EA	15	\$ 166.20	\$ 2,493.00	15	\$ 2,493.00	7.5	\$ 1,246.50	7.5	\$ 1,246.50
D	Sediment Biolog	LF	687	\$ 2.25	\$ 1,545.75	687	\$ 1,545.75	344	\$ 774.00	343	\$ 771.75
E	Daily Street Sweeping	HR	12	\$ 216.90	\$ 2,602.80	13	\$ 2,819.70	7	\$ 1,518.30	6	\$ 1,301.40
F	Sawcut Bituminous Pavement (Full Depth)	LF	1020	\$ 2.65	\$ 2,703.00	1,252	\$ 3,317.80		\$ -	1252	\$ 3,317.80
G	Sawcut and Dispose of Concrete Curb & Gutter	LF	140	\$ 2.80	\$ 392.00	154	\$ 431.20		\$ -	154	\$ 431.20
H	Remove and Dispose of Bituminous Pavement	SY	1900	\$ 2.45	\$ 4,655.00	2,021	\$ 4,951.45		\$ -	2021	\$ 4,951.45
I	Remove and Dispose Existing Sod (P)	SY	519	\$ 0.01	\$ 5.19	519	\$ 5.19		\$ -	519	\$ 5.19
J	Remove, Salvage and Replace Existing Casting	EA	4	\$ 668.50	\$ 2,674.00	4	\$ 2,674.00		\$ -	4	\$ 2,674.00
K	Remove, Salvage, and Replace Class 5 Aggregate (P)	CY	60	\$ 96.95	\$ 5,817.00	60	\$ 5,817.00		\$ -	60	\$ 5,817.00
L	Furnish and Install Class 5 Aggregate Base	TON	260	\$ 22.95	\$ 5,967.00	209	\$ 4,796.55	93	\$ 2,134.35	116	\$ 2,662.20
M	Soil Loosening - 18" Depth (P)	SY	1480	\$ 0.39	\$ 577.20	1,480	\$ 577.20	400	\$ 156.00	1080	\$ 421.20
N	Clean Washed Sand with 5 percent iron aggregate (P)	CY	51	\$ 37.75	\$ 1,925.25	71	\$ 2,680.25		\$ -	71	\$ 2,680.25
O	Precast 3' x 2' Catch Basin with Sump, Complete	EA	6	\$ 3,290.00	\$ 19,740.00	6	\$ 19,740.00	3	\$ 9,870.00	3	\$ 9,870.00
P	Precast Curb Opening Catch Basin with Sump, Complete	EA	1	\$ 6,391.00	\$ 6,391.00	1	\$ 6,391.00	0.5	\$ 3,195.50	0.5	\$ 3,195.50
Q	12" DI Storm Sewer Pipe, Shallow Bury in Parking Lot	LF	131	\$ 56.00	\$ 7,336.00	131	\$ 7,336.00		\$ -	131	\$ 7,336.00
R	12" DI Storm Sewer Pipe, Green Space	LF	13	\$ 56.00	\$ 728.00	13	\$ 728.00		\$ -	13	\$ 728.00
S	10" DI Storm Sewer Pipe, Shallow Bury in Parking Lot	LF	374	\$ 51.00	\$ 19,074.00	374	\$ 19,074.00	243	\$ 12,393.00	131	\$ 6,681.00
T	10" DI Storm Sewer Pipe, Green Space	LF	66	\$ 33.00	\$ 2,178.00	66	\$ 2,178.00	66	\$ 2,178.00		\$ -
U	8" DI Storm Sewer Pipe, Green Space	LF	10	\$ 70.00	\$ 700.00	10	\$ 700.00		\$ -	10	\$ 700.00
V	DI Storm Sewer Pipe Mitered End	EA	3	\$ 77.40	\$ 232.20	3	\$ 232.20	1	\$ 77.40	2	\$ 154.80
W	6" Perforated Dual Wall HDPE Drintile Pipe and Fittings, no sock (P)	LF	264	\$ 6.00	\$ 1,584.00	264	\$ 1,584.00		\$ -	264	\$ 1,584.00
X	6" PVC Storm Sewer Pipe and Fittings (P)	LF	63	\$ 32.00	\$ 2,016.00	63	\$ 2,016.00		\$ -	63	\$ 2,016.00
Y	4" PVC Storm Sewer Pipe and Fittings (P)	LF	15	\$ 32.00	\$ 480.00	15	\$ 480.00		\$ -	15	\$ 480.00
Z	6" Drintile Cleanout and Cover Unit	EA	5	\$ 120.00	\$ 600.00	5	\$ 600.00		\$ -	5	\$ 600.00
AA	6" Drintile Connection to Existing Structure	EA	1	\$ 2,604.00	\$ 2,604.00	1	\$ 2,604.00		\$ -	1	\$ 2,604.00
BB	8" Trench Drain with Concrete Encasement and Slotted Grate, Complete	LF	235	\$ 271.00	\$ 63,685.00	235	\$ 63,685.00		\$ -	235	\$ 63,685.00
CC	Snout Hood	EA	1	\$ 417.00	\$ 417.00	1	\$ 417.00		\$ -	1	\$ 417.00
DD	Splash Block Assembly	EA	3	\$ 3,055.00	\$ 9,165.00	3	\$ 9,165.00		\$ -	3	\$ 9,165.00
EE	Bituminous Pavement (P)	SY	3469	\$ 23.35	\$ 81,001.15	3,797	\$ 88,659.95		\$ -	3797	\$ 88,659.95
FF	Painted Pavement Marking	LS	1	\$ 3,347.00	\$ 3,347.00	1	\$ 3,347.00		\$ -	1	\$ 3,347.00
GG	B612 Concrete Curb & Gutter	LF	177	\$ 57.20	\$ 10,124.40	177	\$ 10,124.40		\$ -	177	\$ 10,124.40
HH	B912 Concrete Curb & Gutter	LF	31	\$ 58.75	\$ 1,821.25	31	\$ 1,821.25		\$ -	31	\$ 1,821.25
II	Planting Soil (75% loamy sand, 25% compost - MnDOT Grade II) (P)	CY	183	\$ 39.00	\$ 7,137.00	248	\$ 9,672.00	50	\$ 1,950.00	198	\$ 7,722.00
JJ	Perennials - 4" Container (P)	EA	1522	\$ 8.90	\$ 13,545.80	1,522	\$ 13,545.80		\$ -	1,522	\$ 13,545.80
KK	Perennials - 1 Gallon Container (P)	EA	3510	\$ 18.25	\$ 64,057.50	3,510	\$ 64,057.50		\$ -	3510	\$ 64,057.50
LL	Shrub (#5 Gallon Container) (P)	EA	77	\$ 62.40	\$ 4,804.80	77	\$ 4,804.80		\$ -	77	\$ 4,804.80
MM	Erosion Control Blanket for Seeding	SF	1000	\$ 1.50	\$ 1,500.00	-	\$ -		\$ -		\$ -
NN	Steel Landscape Edging	LF	833	\$ 16.50	\$ 13,744.50	822	\$ 13,563.00		\$ -	822	\$ 13,563.00
OO	Dark Hardwood Mulch (MYP Landscape Supply)	CY	150	\$ 70.00	\$ 10,500.00	185	\$ 12,950.00	50	\$ 3,500.00	135	\$ 9,450.00
PP	Deciduous Tree (2" Caliper B&B)	EA	6	\$ 850.00	\$ 5,100.00	6	\$ 5,100.00		\$ -	6	\$ 5,100.00
QQ	Sodding (Salt Tolerant)	SF	3124	\$ 2.00	\$ 6,248.00	3,744	\$ 7,488.00		\$ -	3744	\$ 7,488.00
RR	Dispose of Catch Basins (2)	LS	1	\$ 700.00	\$ 700.00	1	\$ 700.00	1	\$ 700.00		\$ -
SS	Remove and dispose of contaminated bedding material and Class 5 aggregate	LS	1	\$ 2,550.00	\$ 2,550.00	1	\$ 2,550.00	1	\$ 2,550.00		\$ -
TT	Furnish and Install Common Topsoil Borrow	TON	240	\$ 33.15	\$ 7,956.00	243	\$ 8,055.45	20	\$ 663.00	223	\$ 7,392.45
UU	Extend Safety Fencing (North Parking Lot)	LS	1	\$ 9,300.00	\$ 9,300.00	1	\$ 9,300.00		\$ -	1	\$ 9,300.00
VV	Backfill fiber optic trench and separate irrigation by 2' min	LS	1	\$ 3,050.00	\$ 3,050.00	1	\$ 3,050.00	1	\$ 3,050.00		\$ -
WW	Coordinate irrigation service lines and sprinkler installation for sod	LS	1	\$ 1,500.00	\$ 1,500.00	1	\$ 1,500.00		\$ -	1	\$ 1,500.00
XX	Complete Retaining Wall Drintile	LS	1	\$ 1,450.00	\$ 1,450.00	1	\$ 1,450.00	1	\$ 1,450.00		\$ -
YY	Remove and relocate or dispose of planting soil above overflow elevation (South Garden)	LS	1	\$ 4,300.00	\$ 4,300.00	1	\$ 4,300.00	1	\$ 4,300.00		\$ -
ZZ	Remove Contaminated Mulch and Install Clean Mulch (South Garden)	LS	1	\$ 4,300.00	\$ 4,300.00	1	\$ 4,300.00	1	\$ 4,300.00		\$ -
AAA	Trench Drain Connection to Catch Basin	EA	4	\$ 1,375.00	\$ 5,500.00	4	\$ 5,500.00		\$ -	4.00	\$ 5,500.00
BBB	Complete 6" Drintile Connection to Existing Structure (South Garden)	EA	1	\$ 2,800.00	\$ 2,800.00	1	\$ 2,800.00	1	\$ 2,800.00		\$ -
CCC	Subgrade Excavation (P)	CY	260	\$ 34.25	\$ 8,905.00	260	\$ 8,905.00	260	\$ 8,905.00	0	\$ -
DDD	Dispose Excavated Material Offsite (P)	CY	260	\$ 38.00	\$ 9,880.00	260	\$ 9,880.00	260	\$ 9,880.00	0	\$ -
EEE	Fine Grading of Basins	LS	1	\$ 9,000.00	\$ 9,000.00	1	\$ 9,000.00	0.5	\$ 4,500.00	0.5	\$ 4,500.00
CO1A	Furnish and Install Granular Borrow	TON		\$ 47.41	\$ -	273	\$ 12,942.93	273	\$ 12,942.93		\$ -
CO1B	Herbicide Application	EA		\$ 898.00	\$ -	2	\$ 1,796.00		\$ -	2	\$ 1,796.00
CO1C	Existing Drintile Connection to CB-03	LS		\$ 1,335.00	\$ -	1	\$ 1,335.00		\$ -	1	\$ 1,335.00
TOTAL BASE BID					\$ 520,949.79 <sup>1</sup>		\$ 550,077.37		\$ 136,814.98		\$ 413,262.39

<sup>1</sup>Total base bid of \$520,949.79 reflects the original contract price and does not include Change Order 1.  
With Change Order 1, the current contract price is \$537,023.72

Galowitz Olson, PLLC  
10390 39th Street North  
Lake Elmo, Minnesota 55042  
Office: (651) 777-6960  
Fax: (651) 777-8937

Ramsey-Washington Metro Watershed District  
C/O Tina Carstens  
2665 Noel Drive  
Little Canada MN 55117

Page: 1  
September 23, 2024  
File No: 9M

	Balance
General Account	\$2,075.00
FISH CREEK PROJECT	\$0.00
	<u>\$2,075.00</u>

Payment can be made over the phone, by check, or online at  
[www.galowitzolson.com/make-a-payment](http://www.galowitzolson.com/make-a-payment). If prompted, please enter the following  
password when making an online payment: **golaw2024**

# Permit Application Coversheet

Date October 02, 2024

Project Name Woodbury WTP- South Wellfield

Project Number 24-46

Applicant Name Tony Kutzke, City of Woodbury

Type of Development Linear

## Property Description

This project is located east of Gordon Bailey Elementary School, between Hargis Parkway and Bailey Road in the City of Woodbury. The applicant is proposing to construct new drinking water pipelines for the purposes of water conveyance to and from the city's new water treatment plant. The total site disturbed area in RWMWD is approximately 1.5 acres and extends into South Washington Watershed District (SWWD). This permit application represents the second such segment located all or partially in RWMWD that is part of a larger municipal water treatment project.

There will be no net increase in impervious surface as a result of this project, and the majority of this segment is located in a vegetated area that will be restored as such. The applicant has demonstrated that the 0.01 acre of reconstructed impervious area within RWMWD meets the Rule C criteria for disconnected impervious and is thus exempt from providing permanent stormwater treatment.

## Watershed District Policies or Standards Involved:

- |  |   |
|--|---|
| <input type="checkbox"/> <b>Wetlands</b>                         | <input checked="" type="checkbox"/> <b>Erosion and Sediment Control</b> |
| <input checked="" type="checkbox"/> <b>Stormwater Management</b> | <input type="checkbox"/> <b>Floodplain</b>                              |

## Water Quantity Considerations

There are no adverse water quantity considerations.

## Water Quality Considerations

### Short Term

The proposed erosion and sediment control plan is sufficient to protect downstream water resources during construction.

### Long Term

There are no adverse long term water quality considerations.

## Staff Recommendation

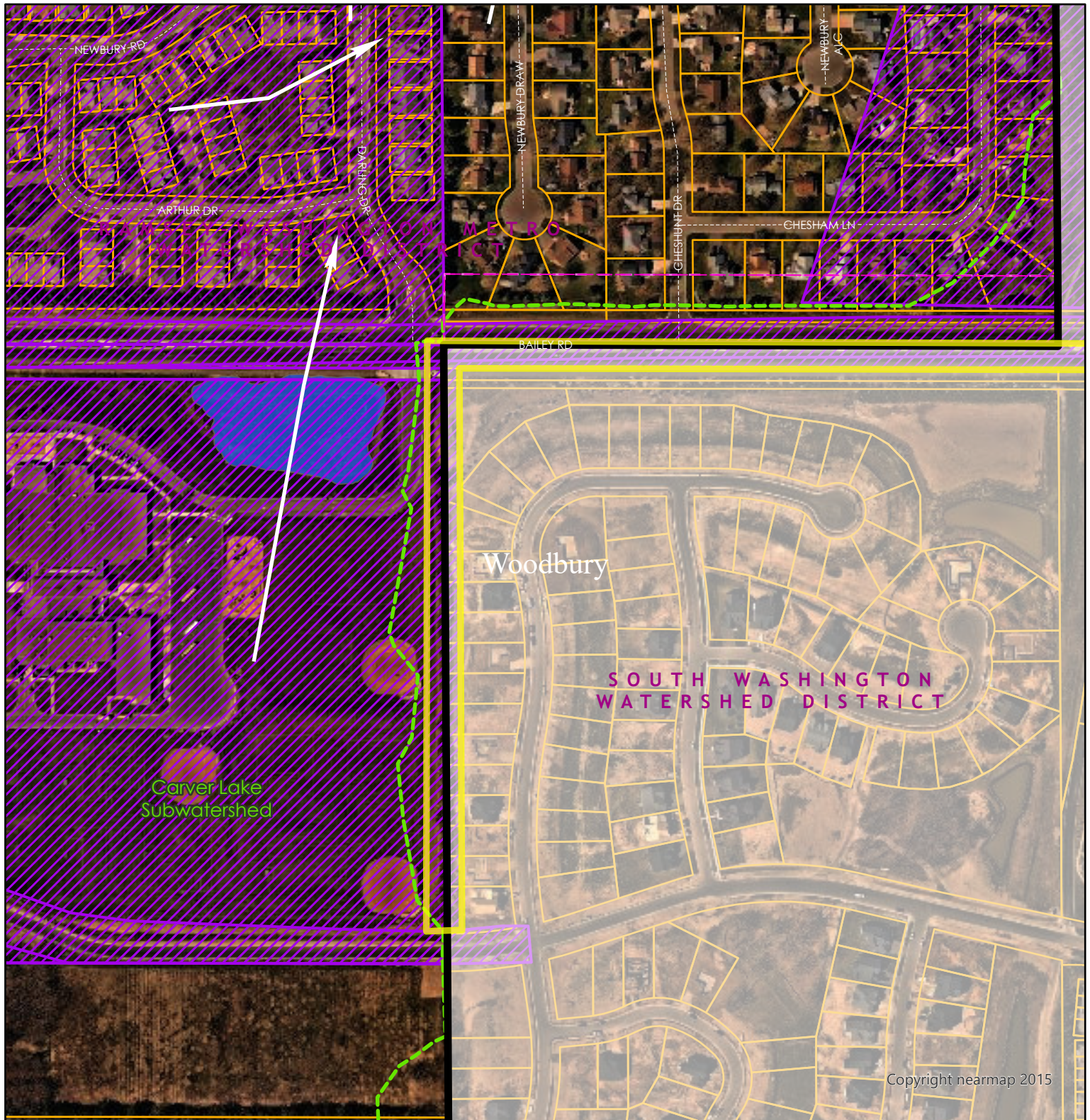
Staff recommends approval of this permit with the special provisions.

## Attachments:

- ☒ **Project Location Map**
- ☐ **Project Grading Plan**



# #24-46 Woodbury WTP - South Wellfield



## Wetlands

- Manage A
- Manage B
- Manage C
- Lake
- Sediment Pond
- Not Assessed

Flow Arrows

Roads

Permits

Cities

Subwatersheds

Washington Co Parcels

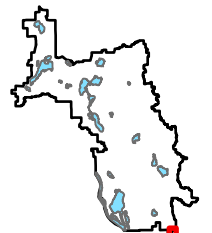
RWMWD Boundary

WMO\_Metro

Highlighted Areas  
Represent Active Permit

0 0.05 0.1 Miles

0 250 500 US Feet



Copyright nearmap 2015

**24-46**

**Special Provisions**

1. The applicant shall submit the final, signed plans set.



## Stewardship Grant Application Summary

**Project Name:** Stevenson

**Application Number:** 24-45 CS

**Board Meeting Date:** 10/2/2024

**Applicant Name:** Stefanie Stevenson

**Residential** ☒

**Commercial/Government** ☐

### Project Overview:

This project is located off West Horseshoe Drive near Walnut Lane in the City of Shoreview. The applicant is proposing to install a shoreline restoration, reusing existing rip rap and adding new rip rap to stabilize the shoreline.

The shoreline restoration is eligible for 100% coverage up to a total of \$15,000.

### BMP type(s):

Shoreline Restoration(1)

### Grant Request:

\$15,000.00

### Recommendation:

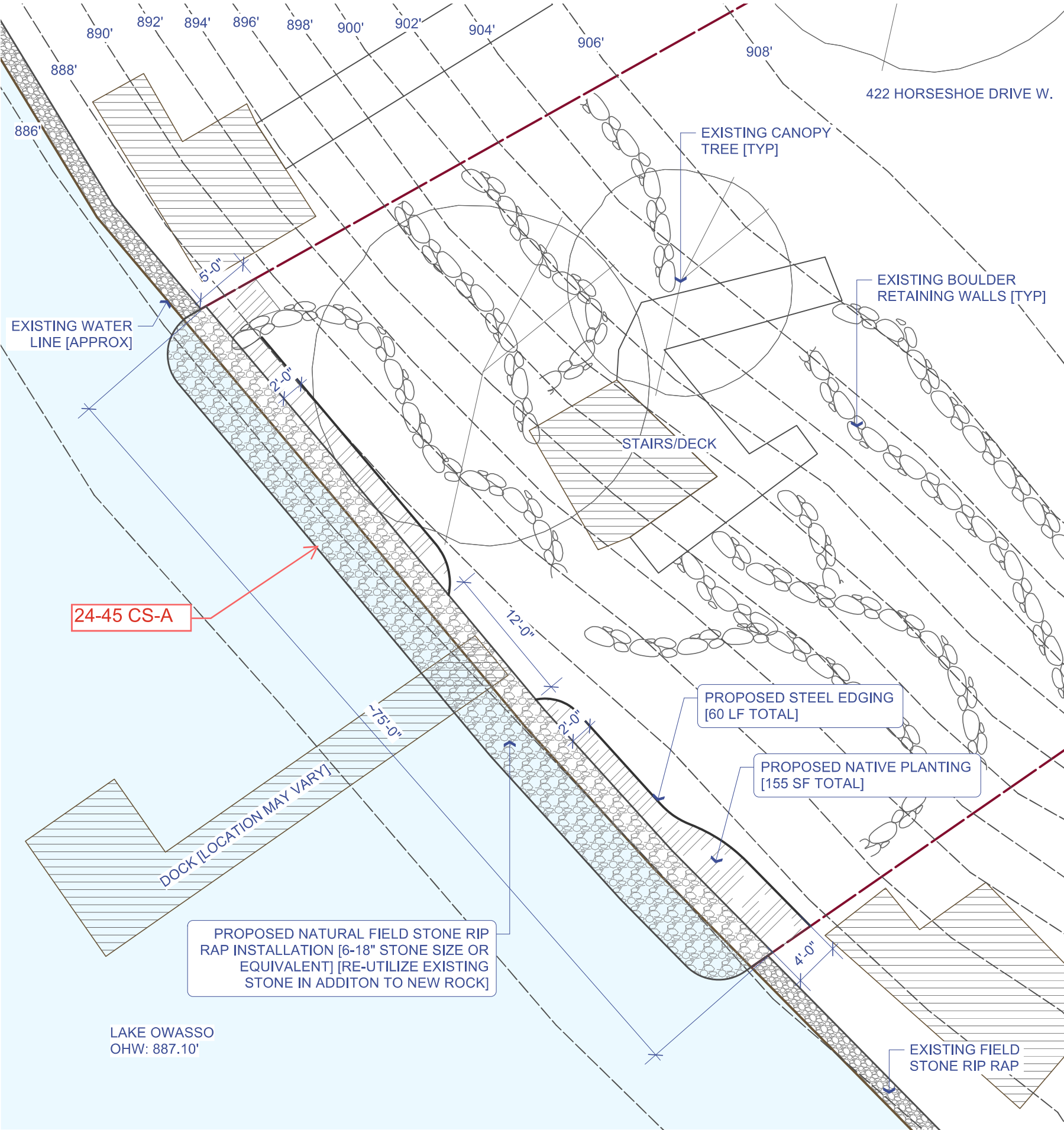
Staff recommends approval of this application.

### Subwatershed:

Lake Owasso

### Location Maps:







**SHORELINE STABILIZATION NOTES:**

1. PROJECT LAYOUT, TOTAL AREA, AND MATERIALS MAY VARY WITH RCSWCD STAFF APPROVAL. VERIFY FINAL LAYOUT WITH LANDOWNER PRIOR TO HERBICIDE APPLICATION AND PROJECT INSTALLATION.
2. REMOVE EXISTING ROCK FROM SHORELINE TO FACILITATE RE-GRADING OF VERTICAL BANK. [SAVE EXISTING FIELDSTONE TO BE UTILIZED IN NEW RIP RAP INSTALLATION.]
3. RE-GRADE EXISTING VERTICAL BANK. 3H:1V SLOPE AT OR BELOW OHWL. ABOVE OHWL SLOPE MAY BE 2H:1V MAXIMUM. [SHORELINE RE-GRADING & RIP RAP INSTALLATION TO MEET DNR GUIDELINES]
4. INSTALL 6-18" NATURAL FIELD STONE RIP RAP PER SPECIFICATIONS PROVIDED IN THESE PLANS AND DETAILS. INSTALL 1.5" ANGULAR ROCK FILTER LAYER BELOW BOULDERS. [DO NOT USE LANDSCAPE FABRIC]
5. ALL SHORELINE WORK WILL PRIMARILY NEED TO BE HAND-WORK AS MACHINE ACCESS TO PROJECT AREA IS LIMITED DUE TO EXISTING SITE CONDITIONS. CONTRACTOR TO SITE VERIFY INSTALLATION METHODS AND PLAN ACCORDINGLY DURING BID PROCESS.
6. INSTALL 3" TWICE-SHREDDED HARDWOOD MULCH OVER ENTIRE PROPOSED PLANTING AREAS.
7. INSTALL NATIVE PLANTS THROUGHOUT PROPOSED PLANTING AREA PER PLANS AND SPECIFICATIONS ON SHEET L300.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PERMANENT/TEMPORARY EROSION CONTROL MEASURES UNTIL SHORELINE IS STABILIZED AND/OR PROJECT HAS BEEN APPROVED FOR CLOSEOUT.
9. INSTALL TEMPORARY HERBIVORE EXCLUSION FENCE SURROUNDING NATIVE PLANTING AREAS. TO REMAIN IN PLACE FOR MINIMUM 2 GROWING SEASONS.

**LEGEND**

-  PROPOSED RIP RAP [6-18" NATURAL FIELD STONE]
-  PROPOSED NATIVE PLANTING



RAMSEY COUNTY SWCD  
2015 VAN DYKE STREET  
MAPLEWOOD, MN 55109  
651-266-7280  
www.ramseycounty.us

PROJECT:  
STEVENSON RESIDENCE

LOCATION:  
422 HORSESHOE DRIVE W.  
SHOREVIEW, MN 55126

WATERSHED DISTRICT:



DESIGNER: BRIAN T. OLSEN  
DATE: 7/10/2024

PAST REVISION: 6/25/2024  
PAST REVISION:  
PAST REVISION:  
PAST REVISION:  
CHECKED BY:

No.	Date:	Description

NOTES:  
-CONTACT GOPHER STATE ONE CALL TO CONFIRM UTILITY LOCATIONS  
-ELEVATIONS ARE APPROXIMATE, SITE VERIFY  
-VERIFY ANY BID ALTERNATES OR ONSITE CHANGES WITH SWCD STAFF PRIOR TO INSTALLATION  
-ORIGINAL SHEET SIZE: 11"x17"

SCALE: 1"=10'-0" 

LAYOUT PLAN

L200



## Stewardship Grant Application Summary

**Project Name:** Pitrina Park Terrace Association

**Application Number:** 24-47 CS

**Board Meeting Date:** 10/2/2024

**Applicant Name:** Ann Slanga

**Residential** ☐

**Commercial/Government** ☒

### Project Overview:

This project is located off Allen Ave in the City of Little Canada. The applicant is proposing to install native buffers around two existing ponds. This is intended as the first phase, with a future second phase addressing the remaining two ponds on the property.

The native buffer plantings are eligible for 50% coverage up to a total of \$15,000.

### BMP type(s):

Native Buffer(2)

### Grant Request:

\$15,000.00

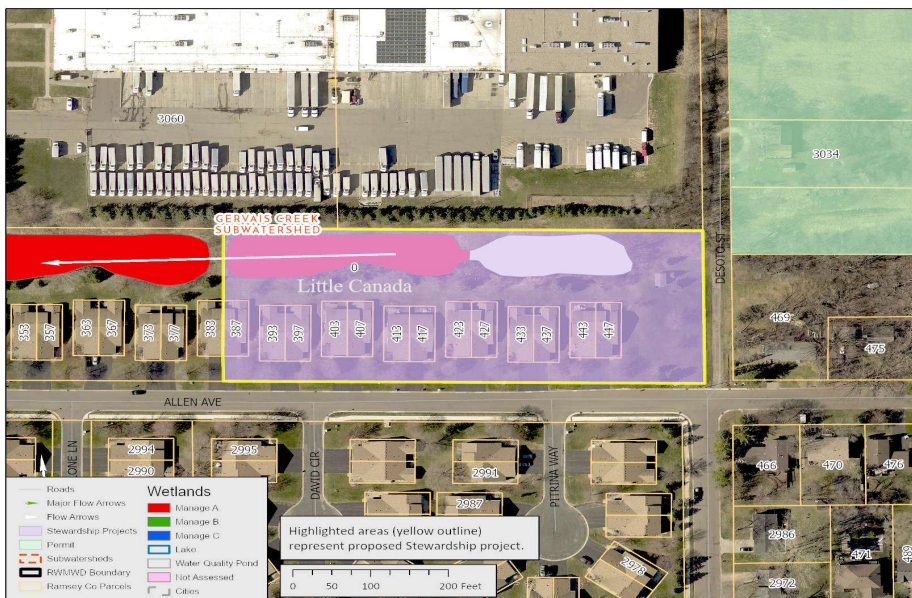
### Recommendation:

Staff recommends approval of this application.

### Subwatershed:

Gervais Creek

### Location Maps:



PROJECT:  
PITRINA PARK TERRACE (HOA)  
LOCATION:  
427 ALLEN AVE  
LITTLE CANADA, MN 55117  
WATERSHED DISTRICT:



DESIGNER: BRIAN T. OLSEN  
DATE: 3/13/2023  
PAST REVISION:  
PAST REVISION:  
PAST REVISION:  
CHECKED BY:  
TAA:

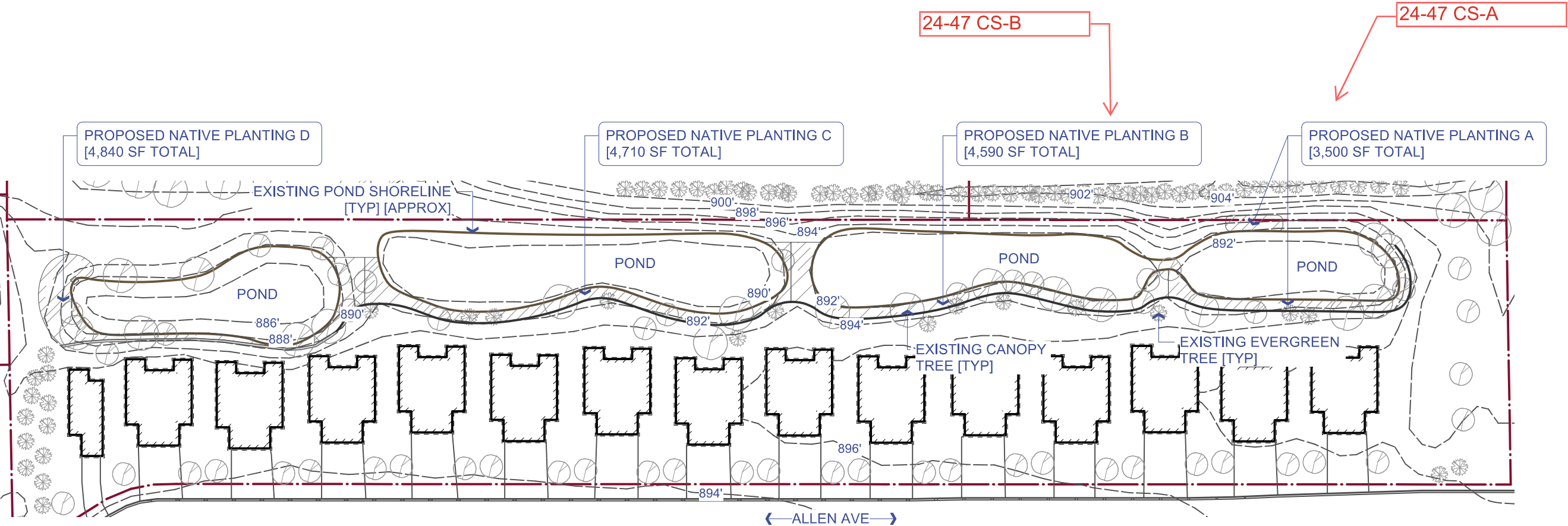
NOTES:  
-CONTACT GOPHER STATE ONE CALL TO  
CONFIRM UTILITY LOCATIONS  
-ELEVATIONS ARE APPROXIMATE,  
SITE VERIFY  
-VERIFY ANY BID ALTERNATES OR ONSITE  
CHANGES WITH SWCD STAFF PRIOR TO  
INSTALLATION  
-ORIGINAL SHEET SIZE: 11"x17"

SCALE: 1"=100'-0"



SITE PLAN

L100



**LEGEND**

-  PROPOSED NATIVE PLANTING
-  PROPOSED EDGING
-  PROPERTY LINE [APPOX.]
-  EXISTING POND SHORELINE
-  2' CONTOUR LINE

## Stewardship Grant Application Summary

**Project Name:** Escape Climbing

**Application Number:** 24-49 CS

**Board Meeting Date:** 10/2/2024

**Applicant Name:** Ryan Angelo

**Residential** ☐

**Commercial/Government** ☒

### Project Overview:

This project is located off South Owasso Blvd West and east of Rice Street in the City of Little Canada and located within the 2024 priority drainage area. The applicant is proposing to install porous pavers in two areas of the parking lot. The applicant previously installed two rain gardens in 2023 to treat parking lot runoff. These basins are often overwhelmed in rain events. The past project was approved as grant #23-20 CS for \$86,000. The current project will be treating additional runoff from roof downspouts and will intercept a portion of parking lot runoff to reduce pressure on the existing rain gardens.

The porous pavers are eligible for 100% coverage up to a total of \$100,000.

### BMP type(s):

Porous Pavers(1)

### Grant Request:

\$100,000.00

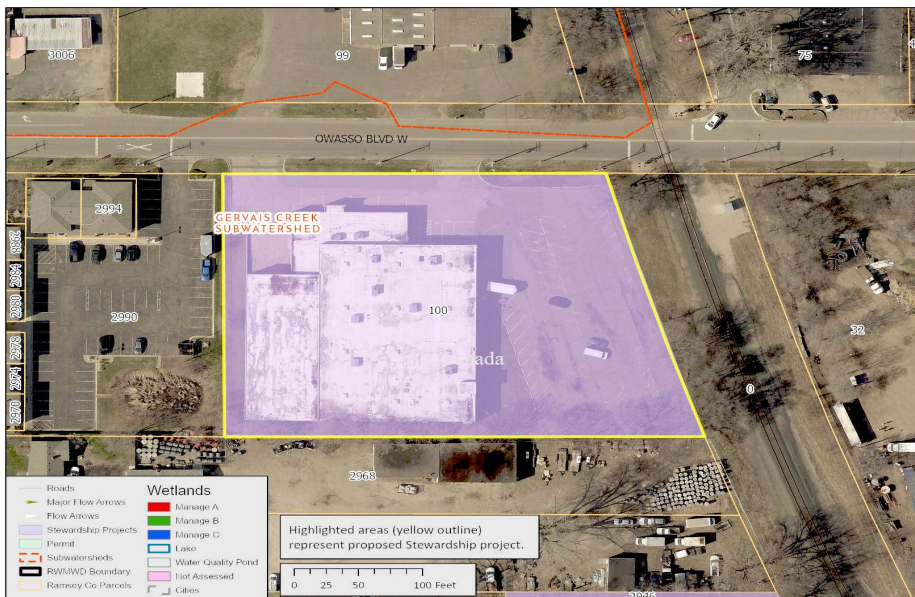
### Recommendation:

Staff recommends approval of this application.

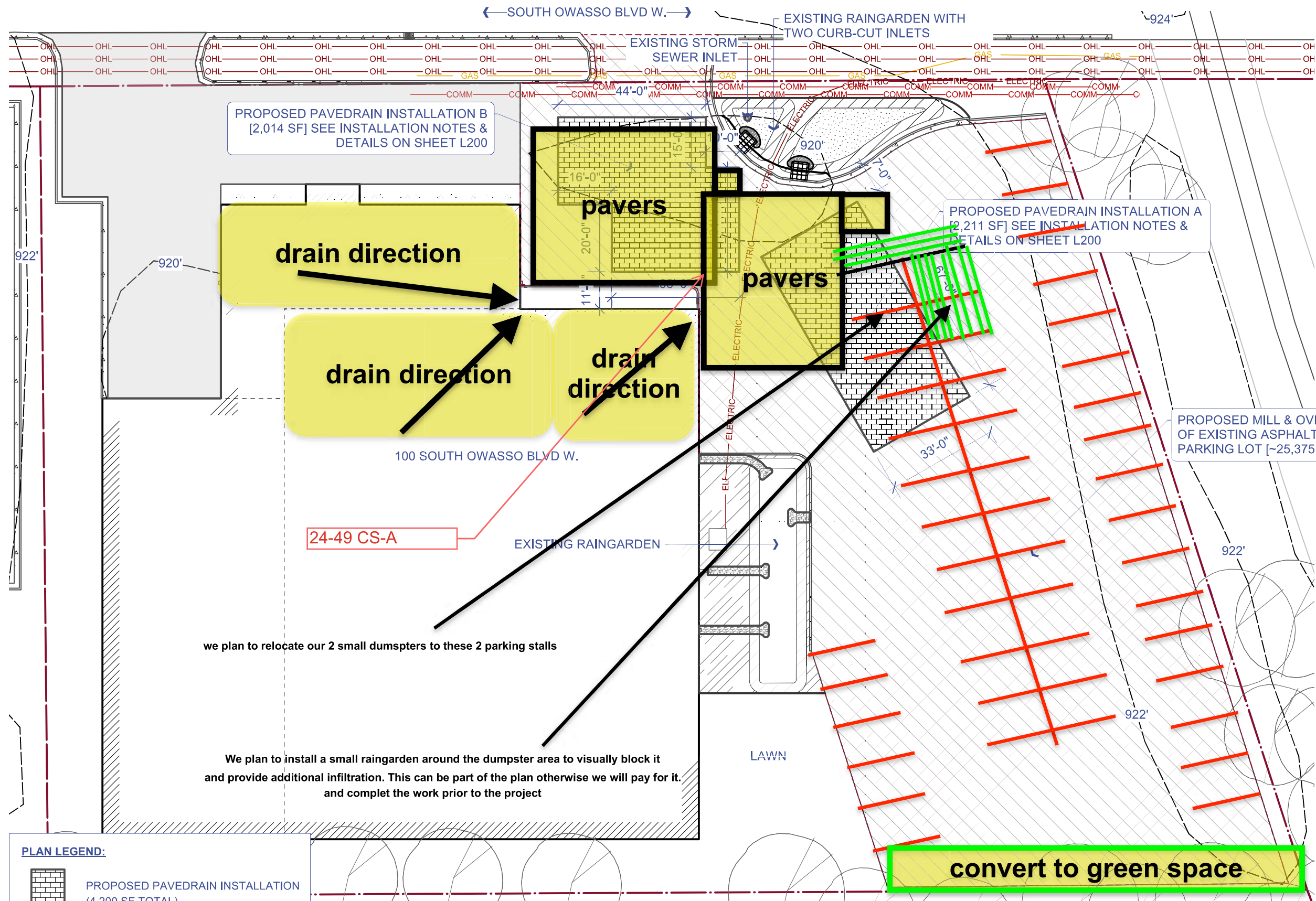
### Subwatershed:

Gervais Creek



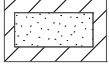
### Location Maps:







**PLAN LEGEND:**

-  PROPOSED PAVEDRAIN INSTALLATION (4,200 SF TOTAL)
-  PROPOSED ASPHALT MILL & OVERLAY (25,375 SF TOTAL)
-  EXISTING RAINGARDENS



\*\*\*\*\*

# Permit Program

\*\*\*\*\*

# Permit Application Coversheet

**Date** October 02, 2024

**Project Name** Woodbury WTP- Tamarack Wellfield

**Project Number** 24-47

**Applicant Name** Drew Boxrud, City of Woodbury

**Type of Development** Linear

## Property Description

This project is located along Valley Creek Road and Radio Drive near Woodbury City Hall. The applicant is proposing to construct new drinking water pipelines for the purposes of water conveyance to and from the city's new water treatment plant. The total site disturbed area is 4.63 acres. This permit application represents the third such segment located all or partially in RWMWD that is part of a larger municipal water treatment project.

There will be no net increase in impervious surface as a result of this project, and the applicant has elected to defer construction of a volume reduction BMP per the District's alternative compliance sequencing. A stormwater BMP is being considered offsite at Victoria Park but is still in a feasibility stage. The applicant must provide this stormwater treatment within 2 years of the permit application date or pay into the Stormwater Impact Fund per RWMWD Rule C.

A wetland delineation was approved on 6/27/24 (#24-07 WCA). The applicant has included a wetland buffer variance request for three Manage B (Types 1/3) wetlands located within the project limits, in order to accommodate pipeline construction. Buffer impacts are considered temporary as disturbed areas will be restored with a native seed mix or existing pavement replaced in-kind.

## Watershed District Policies or Standards Involved:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> <b>Wetlands</b>              | <input checked="" type="checkbox"/> <b>Erosion and Sediment Control</b> |
| <input checked="" type="checkbox"/> <b>Stormwater Management</b> | <input type="checkbox"/> <b>Floodplain</b>                              |

## Water Quantity Considerations

There are no water quantity considerations.

## Water Quality Considerations

### Short Term

The proposed erosion and sediment control plan is sufficient to protect downstream water resources during construction.

### Long Term

The proposed stormwater management plan is sufficient to protect the long term quality of downstream water resources.

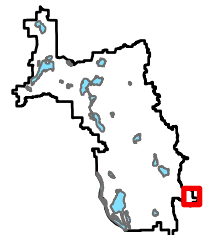
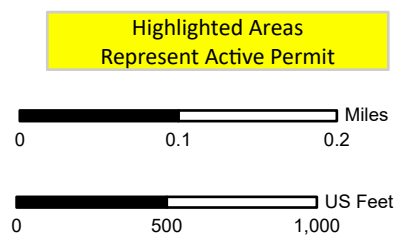
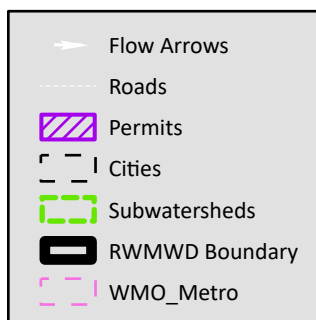
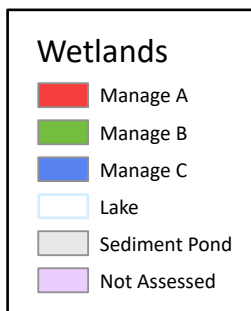
## Staff Recommendation

Staff recommends approval of this permit with the special provisions and variance request (Rule E).

## Attachments:

- ☒ **Project Location Map**
- ☐ **Project Grading Plan**

This aerial map illustrates the Woodbury area, highlighting two specific watersheds: the Ramsey Creek Watershed (shaded in red) and the Battle Creek Lake Subwatershed (shaded in green). The map shows property boundaries with purple outlines and various roads, including Valley Creek Rd, Radio Dr, and Interlachen Pkwy. The South Washington Watershed District is labeled in the center-right. Arrows indicate the flow of water from the watersheds into the Battle Creek Lake. The map also shows surrounding areas like Interlachen Bay and the Interlachen Pkwy. The copyright notice 'Copyright nearmap 2015' is visible in the bottom right corner.



**24-47**

**Special Provisions**

1. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
2. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.



## MEMORANDUM

TO: Ransey-Washington Metro WD

FROM: Alec Babin, EIT  
Chad Setterholm, PE (Lic. MN)

DATE: September 5, 2024

RE: Wetland Buffer Variance Request  
Woodbury, Lake Road Trail Improvement Project  
SEH No. 176902

### Introduction

The City of Woodbury is proposing to install a Raw Water Collector Pipeline on Valley Creek Rd from Tower Dr to Interlachen Pkwy and Radio Dr from just South of Donegal Dr to Valley Creek Rd in the City of Woodbury. The report outlines the City of Woodbury's request for a Rule E wetland buffer variance exemption for the wetland buffer impacts along Wetland 1, 2, and 3. The project site is in Sections 8, 9 & 16 in Township 28, Range 21 West in Woodbury, Minnesota, within Washington County. This project will include installing 12-inch through 30-inch pipelines to collect Raw Water from six groundwater wells. The Tamarack Wellfield Raw Water Collector Pipelines project is a part of the larger Woodbury Water Treatment Plant project.

### Project Overview

The project corridor was delineated on June 11, 2024. A WCA notice of decision approving the wetland boundaries and types was sent on June 27, 2024 (Attachment C). Per the boundary and type decision, the wetlands referred to in this variance request are identified as Wetland 1, Wetland 2, and Wetland 3.

### Purpose and Need

The primary purpose of this project is to ultimately connect existing wells in the Tamarack Wellfield and convey raw water from the wellfield to the City's future water treatment plant in Southern Woodbury. This will allow the distribution of treated water to key conveyance intersection points located throughout the City's existing water distribution system.

The watermain will be installed adjacent to Wetland 1, Wetland 2, and Wetland 3. Five alternative alignments were reviewed for this area as part of the preliminary engineering report completed in 2022. All alternatives were evaluated based on four different criteria. These four criteria are ease of construction, impact on the public, existing City right of way, and environmental scores. The proposed alignment in this plan scored the highest in the evaluation and was approved by the City and the 3M Settlement Co-Trustees in Fall of 2022. Given the existing site conditions, this is the only alignment that will allow an effective alignment for the raw water pipeline.

## **Wetland Buffer Impacts**

Per the districts management plan, Wetland 1 and Wetland 3 has been classified as Manage B and requires an average buffer width of 50 ft. Wetland 2 is not listed on the districts management plan or in the NWI. Considering the wetland type, we have assumed a 50' average buffer, which would be consistent with other Manage B wetlands within the district.

All work throughout the project limits will be outside of delineated wetland boundaries and there are no permanent impacts to any of the affected wetland buffers. All impacts should be considered temporary.

As shown in Figure 1 and Figure 2, the 50' average buffer and 25' minimum buffer extends beyond existing roadways and trails extensively for the length of Wetland 1, Wetland 2, and Wetland 3. Considering the site conditions and limited alignment options for the pipeline, the proximity to the listed wetlands will make it very challenging to meet the buffer requirements. An effort has been made to reduce the impacts to the wetlands and the wetland buffers. This includes ensuring all work and construction limits are outside of the delineated wetland boundaries and all temporary buffer impacts will be restored the standards of the watershed. Additionally, all facilities that are to be replaced will be replaced in-kind to prevent any permanent impacts to the wetland buffers.

Given the listed site conditions, the City of Woodbury is requesting a variance to Rule E 3(d) to allow for raw water pipeline improvements within the minimum buffer setback.

## **Buffer Restoration**

Areas of temporary buffer disturbance shall be restored in accordance with the Project's Stormwater Pollution Prevention Plan (SWPPP) and Erosion Control Plan which complies with Rule E 3(d)(7) of the district's rules. The MnDOT native seed mix 34-261 will be used to restore all buffer areas in combination with Erosion Control Blanket. Soils compacted due to construction actions will be loosened to a depth of at least (5) inches prior to seeding.

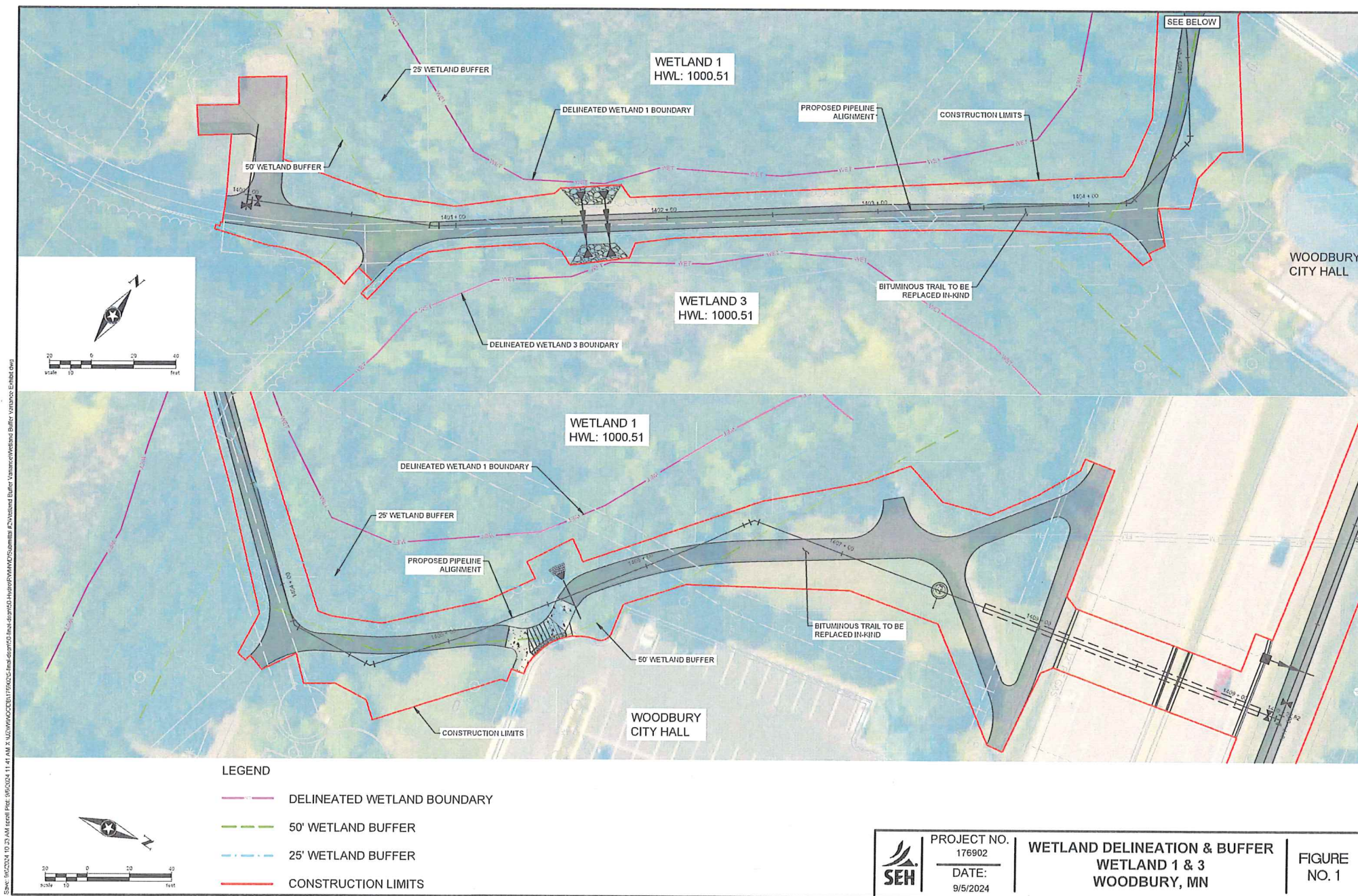
## **Contact**

Please contact Alec Babin directly with any questions at 651.500.8107 or via email at [ababin@sehinc.com](mailto:ababin@sehinc.com).

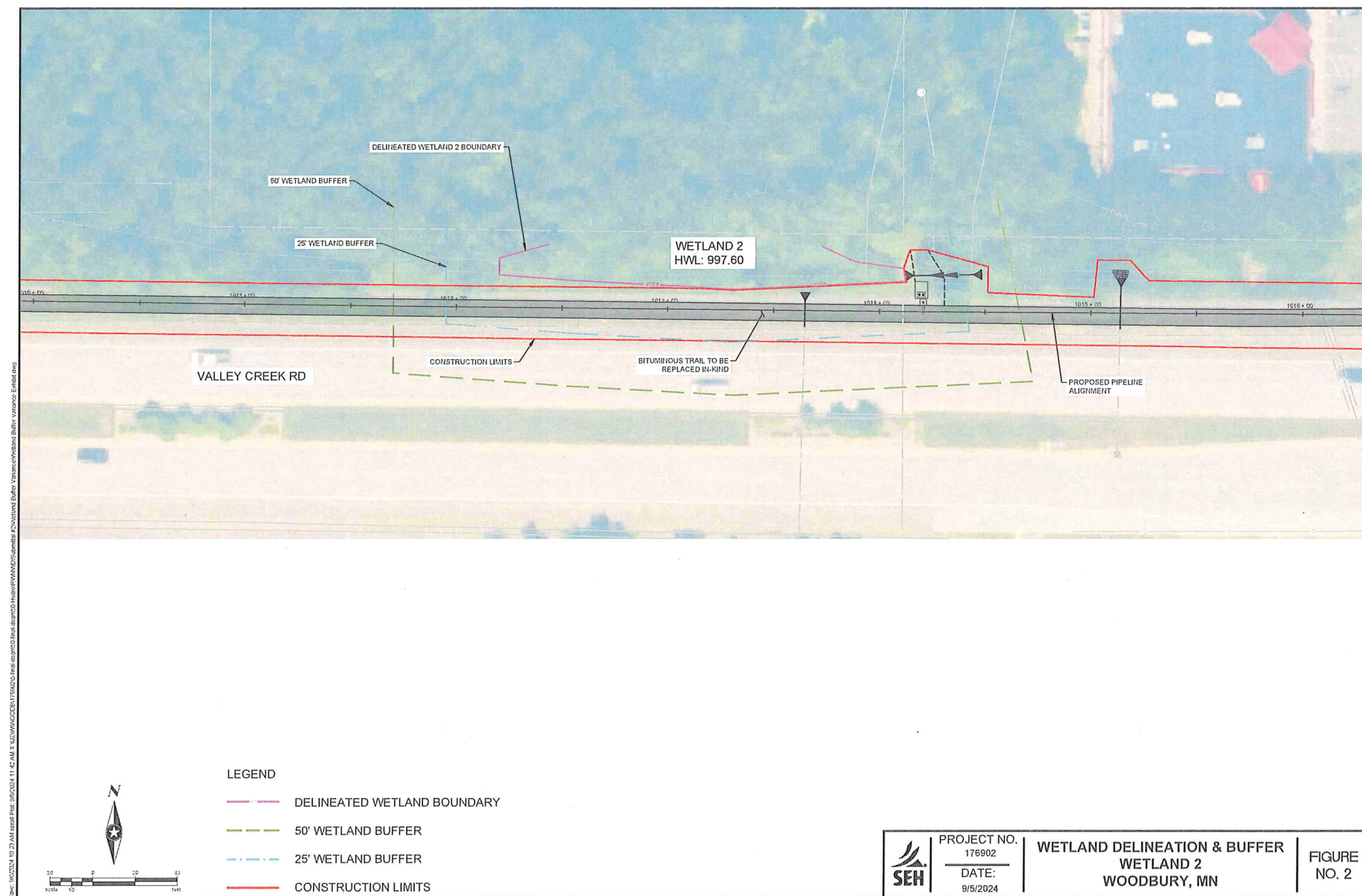
## **Attachments**

Figure 1 – Wetland Delineation and Buffer, Wetland 1 & 3

Figure 2 – Wetland Delineation and Buffer, Wetland 2











- ☐ Attachment(s) (specify):
- ☒ Summary: **An updated delineation report incorporating changes related to TEP Findings for Wetlands 2 and 4 was submitted by AE2S on 6/14/24. Refer to Table 1.1 'Wetland Delineation Summary' and Figure 6e 'Wetland Boundary' that include those changes, among others within the greater report.**

<sup>1</sup> Findings must consider any TEP recommendations.

#### Attached Project Documents

- ☒ Site Location Map    ☒ Project Plan(s)/Descriptions/Reports (specify): **Updated Delineation Report 6-14-24 (fileshare link)**

#### Appeals of LGU Decisions

If you wish to appeal this decision, you must provide a written request within 30 calendar days of the date you received the notice. All appeals must be submitted to the Board of Water and Soil Resources Executive Director along with a check payable to BWSR for \$500 *unless* the LGU has adopted a local appeal process as identified below. The check must be sent by mail and the written request to appeal can be submitted by mail or e-mail. The appeal should include a copy of this notice, name and contact information of appellant(s) and their representatives (if applicable), a statement clarifying the intent to appeal and supporting information as to why the decision is in error. Send to:

Appeals & Regulatory Compliance Coordinator  
Minnesota Board of Water & Soils Resources  
520 Lafayette Road North  
St. Paul, MN 55155  
[travis.germundson@state.mn.us](mailto:travis.germundson@state.mn.us)

Does the LGU have a local appeal process applicable to this decision?

- ☐ Yes<sup>1</sup>      ☒ No

<sup>1</sup>If yes, all appeals must first be considered via the local appeals process.

**Local Appeals Submittal Requirements** (LGU must describe how to appeal, submittal requirements, fees, etc. as applicable)

#### Notice Distribution (include name)

*Required on all notices:*

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> SWCD TEP Member: <b>Jay Riggs (Washington Conservation District)</b>                                 | <input checked="" type="checkbox"/> BWSR TEP Member: <b>Ben Meyer</b>   |
| <input type="checkbox"/> LGU TEP Member (if different than LGU contact):   |   |
| <input checked="" type="checkbox"/> DNR Representative: <b>Kelly Pharis, Dan Scollan</b>   |   |
| <input checked="" type="checkbox"/> Watershed District or Watershed Mgmt. Org.: <b>John Loomis (South Washington Watershed District)</b> |   |
| <input checked="" type="checkbox"/> Applicant (notice only):   | <input checked="" type="checkbox"/> Agent/Consultant (notice only): <b>Karen Wold/Erin Anderson-Wenz (Barr Engineering)</b> |

*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 checked="" type="checkbox"/> Other: <b>Mary Fitzgerald/Kendra Kloth (RWMWD), Kristin Seaman (City of Woodbury)</b> |

Signature:

*Nicole Maras*

Date: 6/27/2024

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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.**

# Permit Application Coversheet

Date October 02, 2024

Project Name Shoreview Villas I

Project Number 24-48

Applicant Name Max Segler, Tycon Companies

Type of Development Residential

## Property Description

This project is located off Highway 96 West on the northeast corner of Snail Lake in the City of Shoreview. The applicant is proposing to redevelop a shuttered ministry campus, including demolition of existing buildings and subsequent construction of single-family residential units with associated streets, utilities, and landscaping. The total site disturbed area is 7.33 acres and represents Phase I of the overall redevelopment. This permit request is for demolition activities and construction of residential units in the interior portion of the development. Future construction of lake-adjacent homes will require subsequent review and approval. A filtration basin is proposed to meet stormwater treatment requirements and has been sized to account for future impervious area to reflect the planned final build-out of the site. Filtration is being proposed due to poor soils.

Two jurisdictional wetlands (Manage A, Types 2 and 4) including a wetland fringe on Snail Lake have been delineated with boundaries approved in June 2021 (#21-08 WCA). An existing constructed stormwater pond is located adjacent to the parcel in the northwest corner. While no wetland impacts are proposed as a result of this development, a variance request for disturbance of the wetland buffers is included in the permit request to accommodate removals, erosion control installation, an outfall pipe with riprap, a mulch access trail, and stairs for a proposed dock. The applicant is coordinating with the DNR on development requirements, including the design and placement of the dock. The Phase I project as proposed will not result in a loss of available storage within the 100-year floodplain of Snail Lake.

## Watershed District Policies or Standards Involved:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> <b>Wetlands</b>              | <input checked="" type="checkbox"/> <b>Erosion and Sediment Control</b> |
| <input checked="" type="checkbox"/> <b>Stormwater Management</b> | <input checked="" type="checkbox"/> <b>Floodplain</b>                   |

## Water Quantity Considerations

The proposed stormwater management plan is sufficient to handle the runoff from the site.

## Water Quality Considerations

### Short Term

The proposed erosion and sediment control plan is sufficient to protect downstream water resources during construction.

### Long Term

The proposed stormwater management plan is sufficient to protect the long term quality of downstream water resources.

## Staff Recommendation

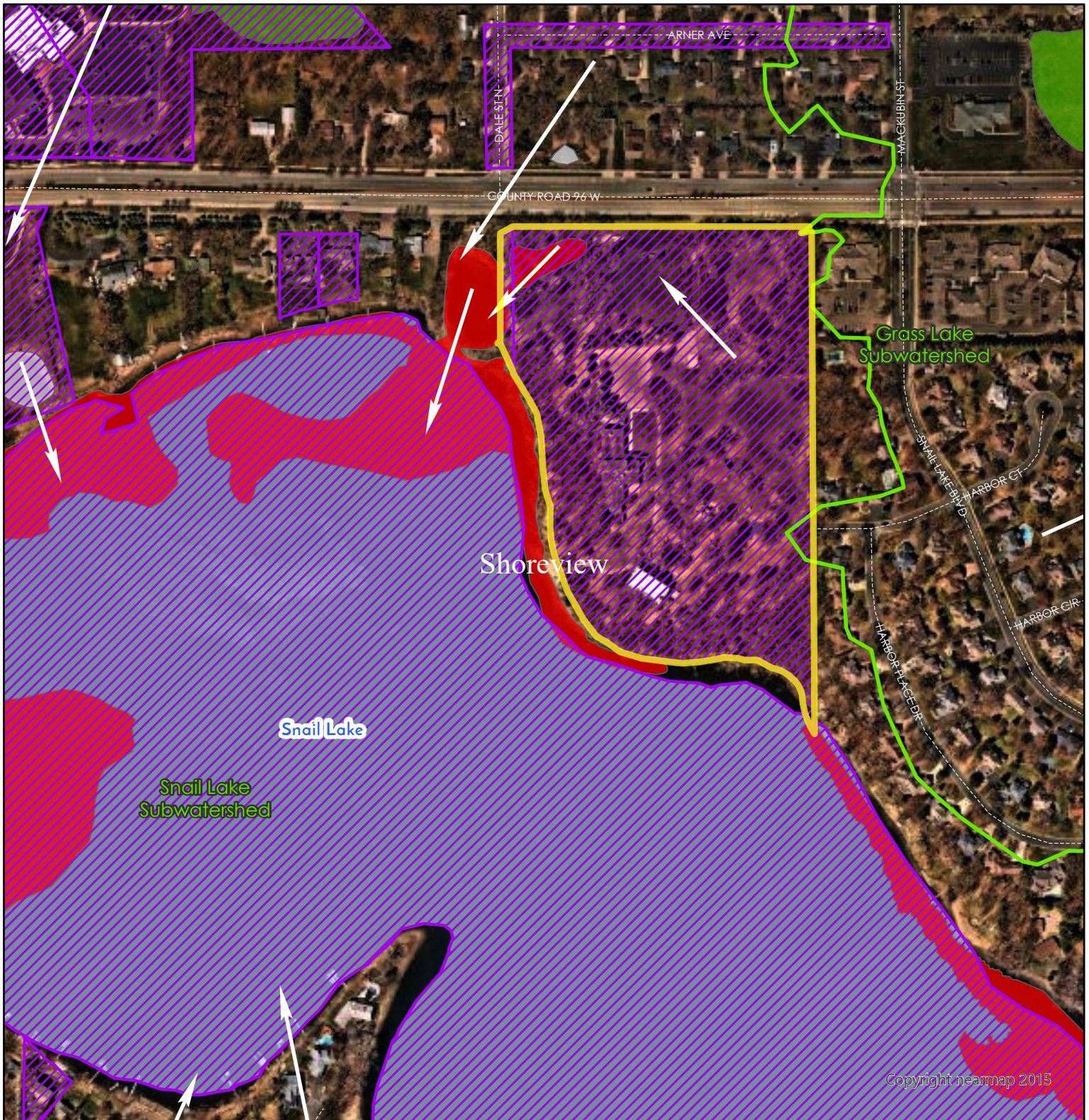
Staff recommends approval of this permit with the special provisions and variance request (Rule E).

## Attachments:

☒ **Project Location Map**

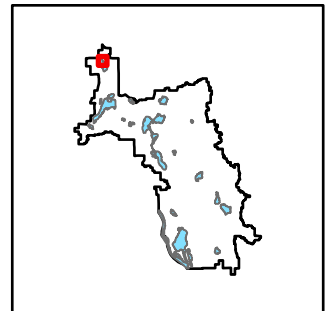
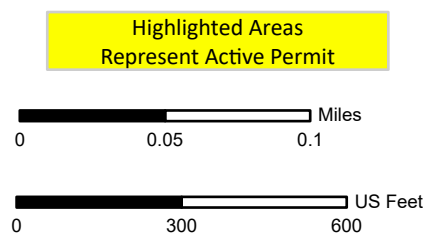
☒ **Project Grading Plan**

# #24-48 Shoreview Villas I



Wetlands	
<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span>	Manage A
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span>	Manage B
<span style="display:inline-block; width:15px; height:15px; background-color:blue; border:1px solid black;"></span>	Manage C
<span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid black;"></span>	Lake
<span style="display:inline-block; width:15px; height:15px; background-color:lightgrey; border:1px solid black;"></span>	Sediment Pond
<span style="display:inline-block; width:15px; height:15px; background-color:lightpurple; border:1px solid black;"></span>	Not Assessed

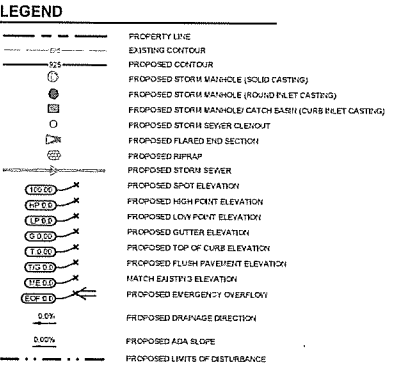
<span style="display:inline-block; width:15px; height:15px; border-bottom:1px solid black;"></span>	Flow Arrows
<span style="display:inline-block; width:15px; height:15px; border-bottom:1px dashed black;"></span>	Roads
<span style="display:inline-block; width:15px; height:15px; border:1px solid purple;"></span>	Permits
<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span>	Cities
<span style="display:inline-block; width:15px; height:15px; border:1px dashed green;"></span>	Subwatersheds
<span style="display:inline-block; width:15px; height:15px; background-color:lightblue;"></span>	Lakes
<span style="display:inline-block; width:15px; height:15px; border:2px solid black;"></span>	RWMWD Boundary





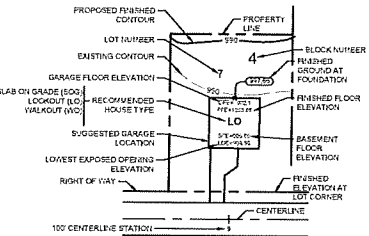
**Special Provisions**

1. The applicant shall submit the final, signed plans set.
2. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.
3. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
4. The applicant shall submit a site-specific BMP Operations & Maintenance Plan for the proposed stormwater facilities.
5. The applicant shall submit an executed stormwater maintenance agreement for the proposed facilities.

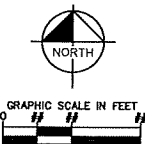


CONTRACTOR TO CALL GOPHER STATE CALL ONE @ 1-800-252-1166 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION/CONSTRUCTION FOR UTILITY LOCATIONS.

- [illegible]



TYPICAL SINGLE FAMILY  
LOT GRADING DETAIL



**Know what's below.  
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THE TYCON COMPANIES

Tycon Hwy 96 Shoreview

550 Hwy 60  
Shoreview, MN

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 2001 NORTH THIRD STREET, SUITE 145, MINNEAPOLIS, MN 55401

001 NORTH THIRD STREET, SUITE 145, MINNEAPOLIS, MN 55401

URBANWORKS

CONSULTANT

**Kimley»Horn**  
2021 KIMLEY-HORN AND ASSOCIATES, INC.

767 EVSTIS STREET,  
SUITE 100, ST. PAUL, MN 55114  
PHONE 651-845-4197  
WWW.KIMLEY-HORN.COM

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

Dan Galar

DATE 08/08/2024 12/1 12 No. 44314

RNA PROJECT FILE  
180844913

## REVISIONS

DATE	01/22/2024
KHA PROJECT #	16034013
PHASE	CITY
	SUBMITTAL
DESIGNED BY	ERW
DRAWN BY	ERW
CHECKED BY	T.L.
SCALE	AS SHOWN

## GRADING AND DRAINAGE PLAN

NOT FOR CONSTRUCTION

# C500

K:\TWC\_LDE\UrbanWorks\Shoreview - 580 Highway 96\3 Design\CAD\PlanSheets\IC5-GRADING PLAN - SF.dwg September 19, 2024 - 5:27pm

This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kenley-Horn and Associates, Inc. shall be without liability to Kenley-Horn and Associates, Inc.



## MEMORANDUM

To: Nicole Maras, Regulatory Program Manager – Ramsey Washington Metro Watershed District

From: Adam Tjaden, PE – Kimley Horn

Date: September 19, 2024

Subject: Shoreview Villas Variance Request – RWMWD Rule E

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Kimley-Horn and Associates, Inc. has prepared this memorandum to document the justification for requesting variances to RWMWD Rule E – Wetland Management. Rule E 3(d)(1) establishes no-disturb wetland buffer widths (minimum and average) based on wetland classification. The wetlands present on the project site are classified as Manage A, require a 37.5-foot and 75-foot minimum and average no-disturb buffer respectively. Because there are proposed site improvements within these no-disturb buffers, a variance from Rule E is being requested. The nature of the buffer disturbance is described further below.

### Basin 1 (Outlot B):

#### Description:

1. Installation of stormwater management outfall pipe, concrete flared end section, and rip rap within no-disturb buffer. The need for these features is to convey treated stormwater from stormwater management area 1 into basin 1. Locating the outfall near the wetland is common practice to facilitate drainage patterns, the addition of rip rap will reduce the potential for erosion around the outfall over time, protecting the overall function and quality of the wetland. The outfall is located within the no-disturb buffer, and not within the delineated wetland. See sheet C500.
2. Installation of silt fence perimeter controls for erosion and sediment controls. See sheet C300.

#### Duration:

1. Temporary disturbance: Installation of outfall pipe and perimeter controls.
2. Permanent disturbance: Installation of flared end section and rip rap.

**Restoration:** All temporary disturbances within the no-disturb buffer will be reestablished with native seed mix. Because majority of the disturbances are temporary, and the scale of the permanent disturbances compared to the total wetland buffer, these disturbances will not fundamentally alter the current average wetland buffer width.

### Basin 2 (Outlot A):

#### Description:

1. Removal of existing concrete walk and outbuilding within the no-disturb buffer. Installation of silt fence perimeter controls for erosion and sediment controls. The removal of the concrete walk and outbuilding reduces the impervious cover within the wetland buffer. See sheet C200.
2. Installation of silt fence perimeter controls for erosion and sediment controls. See sheet C300.
3. Installation of hardwood mulch dock access trail, wooden stairs, and dock. The need for these features is to provide access to the lake. The dock and access trail replaces the existing concrete walk and outbuilding that

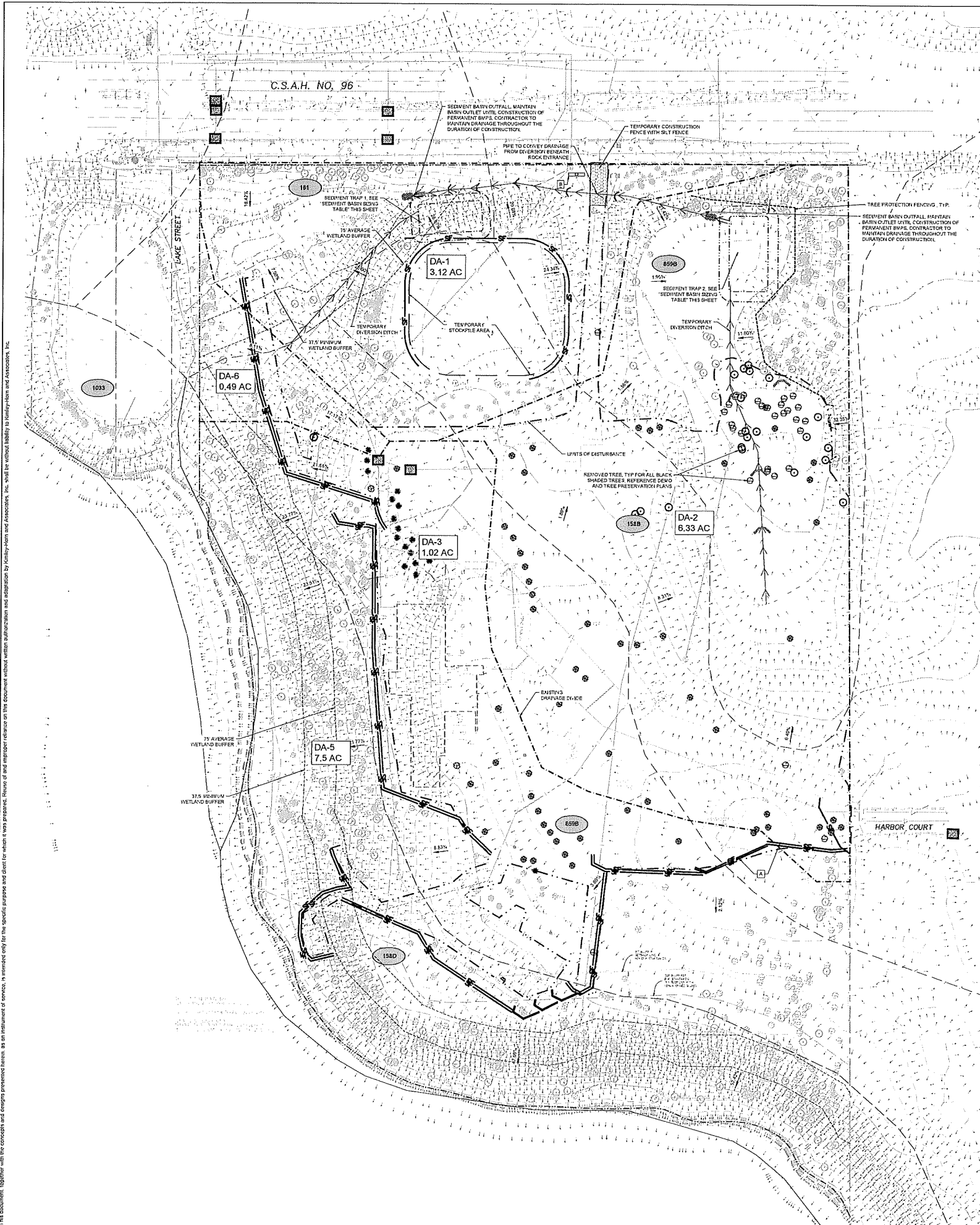
were previously used to access the lake. The access trail is a hardwood mulch trail replacing concrete, overall there will be a reduction in impervious surfaces within the wetland buffer. The access trail is located within the no-disturb buffer, and not within the delineated wetland. No dock grading will take place within the delineated wetland. See sheet C402A.

**Duration:**

1. Temporary disturbance: Removals and perimeter controls.
2. Permanent disturbance: Installation of dock and access trail.

**Restoration:** All temporary disturbances within the no-disturb buffer will be reestablished with native seed mix. Because majority of the disturbances are temporary, and the scale of the permanent disturbances compared to the total wetland buffer, these disturbances will not fundamentally alter the current average wetland buffer width.

This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Review of and/or reliance on this document without written authorization and/or without liability to Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



### LEGEND

- ROCK CONSTRUCTION ENTRANCE
- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE
- LIMITS OF DISTURBANCE, OFFSET FOR CLARITY
- SAFETY FENCE
- TREE PROTECTION FENCE
- BOROLL
- DRAINAGE DIVIDE
- DELUGATED WETLAND
- DIVERSION DITCH
- SEDIMENT TRAP/BASIN
- SOIL TYPE BOUNDARY
- ZIMMERMAN FINE SAND, 1 TO 5 PERCENT SLOPES
- ZIMMERMAN FINE SAND, 6 TO 12 PERCENT SLOPES
- ZIMMERMAN FINE SAND, 12 TO 25 PERCENT SLOPES
- ISANTI COUNTY FINE SAND, DEPRESSIONAL
- VEGETATION
- UNO VARIANT LOAMY FINE SAND, 2 TO 6 PERCENT SLOPES

### KEYNOTE LEGEND

- REINFORCED (DOUBLE) SILT FENCE, OFFSET 3' FROM L.O.D. OR PROPERTY LINE FOR CLARITY
- SWPPP INFORMATION IS ON

### EROSION CONTROL PLAN NOTES

- ALL PERIMETER SILT FENCE AND ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONSTRUCT DRAINAGE BASINS PRIOR TO SITE GRADING.
- THE CONTRACTOR SHALL INSTALL CATCH BASIN EROSION CONTROL MEASURES.
- WITHIN ONE WEEK (7 DAYS) OF SITE GRADING, ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED, SOIL, OR ROCK BASE. REFER TO LANDSCAPE PLANS FOR MATERIALS.
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH CITY, STATE, AND WATER-SHED DISTRICT PERMITS.
- THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES, INCLUDING THE REMOVAL OF SILT IN FRONT OF SILT FENCES DURING THE DURATION OF THE CONSTRUCTION.
- ANY EXCESS SEDIMENT IN PROPOSED BASINS SHALL BE REMOVED BY THE CONTRACTOR.
- REMOVAL ALL EROSION CONTROL MEASURES AFTER VEGETATION IS ESTABLISHED.
- THE CONTRACTOR SHALL REMOVE ALL SOILS AND SEDIMENT TRACKED ONTO EXISTING STREETS AND ADJACENT AREAS AND SHALL MAINTAIN ADJACENT STREETS AS NECESSARY IN ACCORDANCE WITH CITY REQUIREMENTS.
- IF BLOWING DUST BECOMES A HAZARD, THE CONTRACTOR SHALL APPLY WATER FROM A TANK TRUCK TO ALL CONSTRUCTION AREAS.
- CONTRACTOR SHALL MAINTAIN STORMWATER MANAGEMENT BASINS AND PROTECT FROM CONSTRUCTION ACTIVITY THROUGHOUT THE DURATION OF CONSTRUCTION. SPECIAL CARE SHALL BE TAKEN TO PREVENT EROSION AND SEDIMENT FROM ENTERING THE BASINS, AS WELL AS MAINTAINING THE SIDE SLOPES OF THE BASINS. THE STORMWATER MANAGEMENT SYSTEMS SHALL REMAIN OFFLINE AND PROTECTED FROM CONSTRUCTION ACTIVITY AND LOGGING BY SEDIMENT UNTIL ALL CONTRIBUTING AREAS ARE PERMANENTLY RESTORED.
- NOTIFY NICOLE RODERHOLM, KANSAS-WASHINGTON METRO WATERSHED DISTRICT, AT (913) 714-1174 PRIOR TO BEGINNING ANY AND ALL CONSTRUCTION ACTIVITY FOR INITIAL SWPPP INSPECTION.
- THE EROSION CONTROL MEASURES SPECIFIED ON THESE PLANS ARE A MINIMUM AND ADDITIONAL PRACTICES MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION.

### SEQUENCE OF CONSTRUCTION:

UPON SITE ELEVATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER PARKING, LANDSCAPE, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOIL WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

SWPPP AND EROSION CONTROL INSTALLATION SEQUENCE SHALL BE AS FOLLOWS:

- INSTALL INLET PROTECTION AT EXISTING STORMWATER CULVERTS.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE (1) CONCRETE WASHOUT PIT (1) AND INSTALL SILT FENCE.
- PREPARE TEMPORARY PARKING AND STORAGE AREA.
- CONSTRUCT AND STABILIZE DIVERSION AND TEMPORARY SEDIMENT TRAP.
- PERFORM CLEARING AND GRUBBING OF THE SITE. PERFORM MASS GRADING, ROCK CRUSH TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
- TEMPORARILY SEED WITH PURE LIVE SEED THROUGHOUT CONSTRUCTION. DISTURBED AREAS THAT WILL BE EXPOSED FOR 7 DAYS OR MORE OR AS REQUIRED BY TUDER AND/OR CITY OF SHORE NEW GRADING PERMIT.

### SWPPP UPDATES AND AMENDMENTS

THE GC MUST UPDATE THE SWPPP, INCLUDING THE JOBSITE BINDER AND SITE MAPS, TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE. UPDATES SHALL BE MADE ONLY TO TRACK PROGRESS WHEN ANY OF THE FOLLOWING ACTIVITIES OCCUR: BMP INSTALLATION, HOISTING OR REMOVAL, CONSTRUCTION ACTIVITIES, E.G., PAVING, STORM SEWER INSTALLATION, PAVING INSTALLATION, ETC., CLEARING, GRUBBING OR GRADING, OR TEMPORARY OR PERMANENT STABILIZATION.

THE CONTRACTOR MAY MODIFY OR ADD ADDITIONAL BMPs WITHOUT ENGINEER APPROVAL. IN AN EMERGENCY SITUATION TO PREVENT REPERMITS, DEGRADE OR PROTECT WATER QUALITY, HOWEVER, GC MUST NOTIFY THE ENGINEER AS SOON AS PRACTICAL AS TO THEIR ACTIONS TO DISCUSS THE NEED FOR ADDITIONAL OR SUPERVENIENT MEASURES AND TO OBTAIN THE REQUIRED APPROVALS. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE COMPLIANCE WITH THE PERMIT AND PROTECTION OF DOWNSTREAM WATER QUALITY.

AMENDING THE SWPPP DOES NOT MEAN THAT IT HAS TO BE REPRINTED. IT IS ACCEPTABLE TO ADD AMENDMENTS, NEW SECTIONS, DETAILS, ETC., AND/OR REVISED DRAWINGS THAT HAVE THE ENGINEER NAME IN PRINT, ARE DATED, SIGNED, DATED, AND ARE ACCOMPANIED BY WRITTEN COPY OF THE ASSOCIATED RFI AND ITS RESPONSE FROM ENGINEER. ENGINEERED ITEMS MUST BE SIGNED AND DATED BY THE ENGINEER OR RECORD FOR THE PROJECT.

LIMITS OF DISTURBANCE	7.40 AC
TOTAL SITE AREA	18.35 AC
PRE-DEVELOPMENT IMPERVIOUS AREA	18.99 AC
PRE-DEVELOPMENT IMPERVIOUS AREA	1.48 AC
POST-DEVELOPMENT IMPERVIOUS AREA	15.09 AC
POST-DEVELOPMENT IMPERVIOUS AREA	3.28 AC

### PH. I BMP QUANTITIES

BMP	UNIT	QUANTITY
CONSTRUCTION ENTRANCE	EA	1
INLET PROTECTION	EA	6
SILT FENCE	LF	4,500

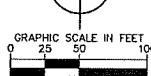
### SEDIMENT BASIN/TRAP SIZING TABLE

SEDIMENT TRAP/BASIN NUMBER	DRAINAGE AREA (AC)	TOTAL REQUIRED VOLUME (CF)	MIN. DEPTH (FT)	MIN. BOTTOM LENGTH (FT)	MIN. BOTTOM WIDTH (FT)	TOTAL PROVIDED VOLUME (CF)
1	3.12	11,232	3.00	75	55	11,232
2	6.53	22,768	4.00	48	69	23,048

NEEDING BODY OF WATER: THE SITE DISCHARGES TO ADJACENT WETLAND ON-SITE AND OFF-SITE. THE SITE IS WITHIN 1 MILE OF IMPERVIOUS WATERS, BUT IT DOES NOT CONTRIBUTE FLOW TO THESE WATERS AS THE DISCHARGE IS LIMITED TO THE ADJACENT WETLANDS.

DEVELOPER/OWNER:

SITE OPERATOR/GENERAL CONTRACTOR:



Know what's below.  
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NOT FOR CONSTRUCTION

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CONSULTANT

**Kimley-Horn**  
2021 KIMLEY-HORN AND ASSOCIATES, P.C.  
767 EVANS STREET,  
SUITE 100, ST. PAUL, MN 55114  
PHONE: 651-245-4197  
WWW.KIMLEY-HORN.COM

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

*Don Anderson*  
DON ANDERSON, P.E.  
DATE: 09/20/2024  
SCALE: 1"=40'

REVISIONS

DATE: 01/22/2024  
KHA PROJECT #: 160441013  
CITY: SUBMITTAL  
DESIGNED BY: ERV  
DRAWN BY: ERV  
CHECKED BY: T.A.  
SCALE: AS SHOWN

EROSION AND SEDIMENT CONTROL PLAN - PHASE 1

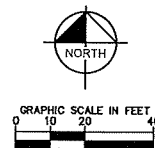
C300

KITWC\_LDEUrbanWorksShoreview - 580 Highway 963 Design/CAD/Plan/Sheet/CA-SITE PLAN - DOCK ACCESS.dwg September 19, 2024 - 5:27pm

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- LEGEND**
- PROPERTY LINE
  - PROPOSED FENCE
  - SETBACK LINE
  - DRAINAGE & UTILITY EASEMENT
  - PROPOSED CURB AND GUTTER



NOT FOR CONSTRUCTION

SITE PLAN -  
OUTLOT A

DATE: 09/22/2024  
KHA PROJECT #: 16084213  
PHASE: SUBMITTAL  
DESIGNED BY: ERW  
DRAWN BY: ERW  
CHECKED BY: T.A.  
SCALE: AS SHOWN

C402A

CONSULTANT

**Kimley»Horn**

2021 KIMLEY-HORN AND ASSOCIATES, INC.  
767 EVISTIS STREET  
SUITE 100, ST. PAUL, MN 55114  
PHONE: 651-445-4197  
WWW.KIMLEY-HORN.COM

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

*Dan Henderson*  
DAN HENDERSON P.E.  
DATE: 09/22/24 LT: N/A LS: 14

KHA PROJECT NO:  
16084213

REVISIONS

DATE: 09/22/2024  
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SITE PLAN -  
OUTLOT A

C402A

URBANWORKS

THE TYCON COMPANIES

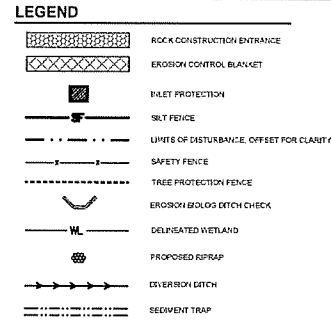
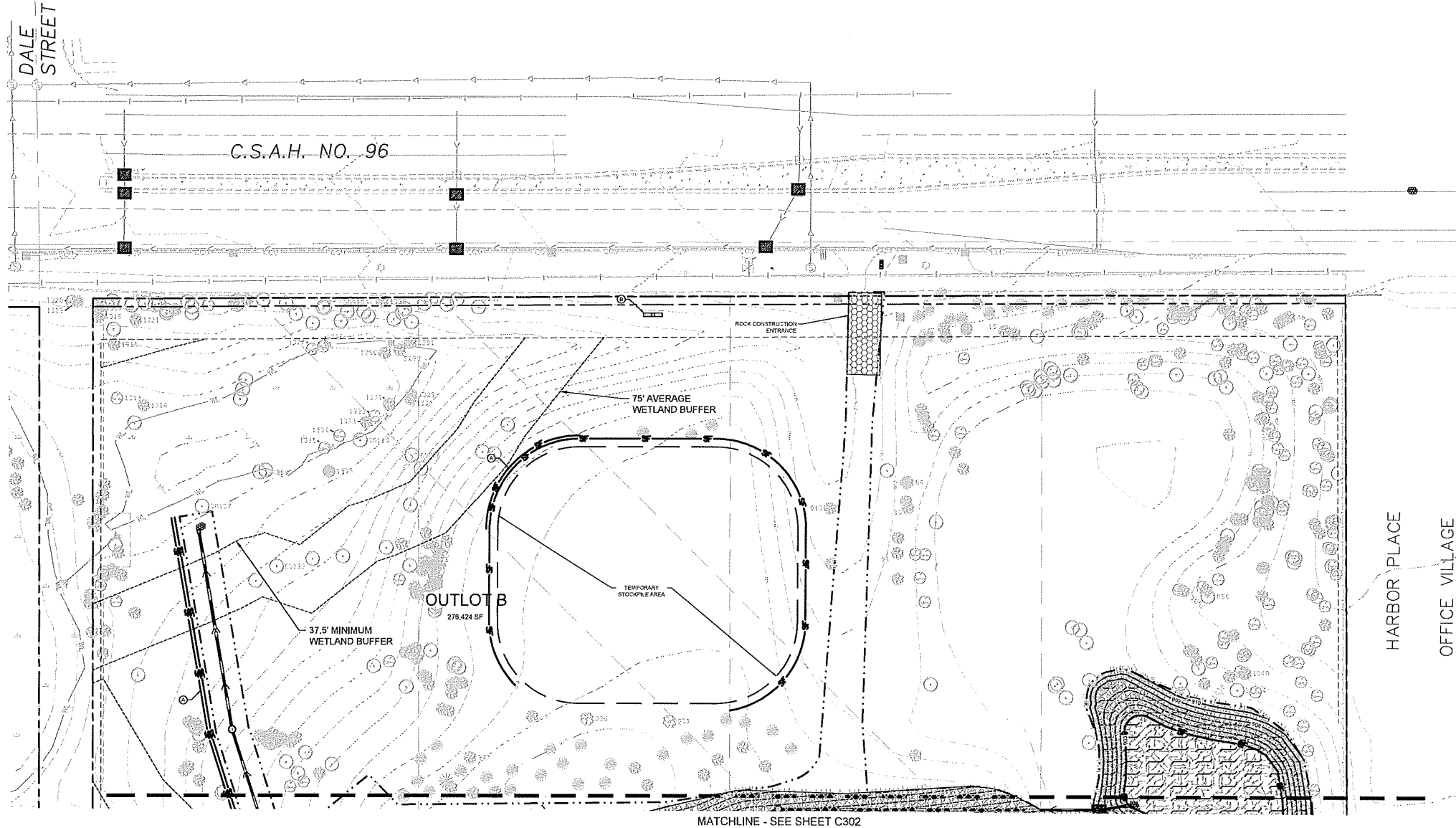
Tycon Hwy 96 Shoreview

240 Hwy 96  
Shoreview, MN

© URBANWORKS ARCHITECTURE LLC, 2019  
901 NORTH THIRD STREET, SUITE 145, MINNEAPOLIS, MN 55401

K:\TWC\_LDE\Urban\Work\Shoreview - 580 Highway 96\Design\Plan\Sheet\C3-EROS PH2 PLAN.dwg September 19, 2024 - 5:28pm  
This document, together with the concepts and design presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc.

CONTRACTOR IS RESPONSIBLE FOR PREVENTING TRACK-OUT OF SEDIMENT FROM THE SITE BY EQUIPMENT AND VEHICLES. SHOULD TRACK-OUT BECOME A PROBLEM, CONTRACTOR SHALL PROVIDE AND INSTALL A SELF-CONTAINED WHEEL WASH SYSTEM AT NO ADDITIONAL COST TO THE OWNER.



- #### EROSION CONTROL PLAN NOTES
- ALL PERIMETER SILT FENCE AND ROCK CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO CONSTRUCTION.
  - THE CONTRACTOR SHALL CONSTRUCT DRAINAGE BASINS PRIOR TO SITE GRADING.
  - THE CONTRACTOR SHALL INSTALL CATCH BASIN EROSION CONTROL MEASURES.
  - WITHIN ONE WEEK (7 DAYS) OF SITE GRADING, ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED MIX, SOIL OR ROCK BASE, REFER TO LANDSCAPE PLANS FOR MATERIALS.
  - ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH CITY, STATE AND WATERSHED DISTRICT PERMITS.
  - THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES INCLUDING THE REMOVAL OF SILT IN FRONT OF SILT FENCES DURING THE DURATION OF THE CONSTRUCTION.
  - ANY EXCESS SEDIMENT IN PROPOSED BASINS SHALL BE REMOVED BY THE CONTRACTOR.
  - REMOVAL ALL EROSION CONTROL MEASURES AFTER VEGETATION IS ESTABLISHED.
  - THE CONTRACTOR SHALL REMOVE ALL SOILS AND EQUIPMENT TRACKED ONTO EXISTING STREETS AND PAVED AREAS AND SHALL SWEEP AND ACCEPIT STREETS AS NECESSARY IN ACCORDANCE WITH CITY REQUIREMENTS.
  - IF BLOWING DUST BECOMES A NUISANCE, THE CONTRACTOR SHALL APPLY WATER FROM A TANK TRUCK TO ALL CONSTRUCTION AREAS.
  - CONTRACTOR SHALL MAINTAIN STORMWATER MANAGEMENT BASINS AND PROTECT FROM CONSTRUCTION ACTIVITY THROUGHOUT THE DURATION OF CONSTRUCTION. SPECIAL CARE SHALL BE TAKEN TO PROHIBIT EROSION AND SEDIMENT FROM ENTERING THE BASINS, AS WELL AS MAINTAINING THE SIDE SLOPES OF THE BASINS. THE STORMWATER MANAGEMENT SYSTEMS SHALL REMAIN OFFLINE AND PROTECTED FROM CONSTRUCTION ACTIVITY AND CLOGGING BY SEDIMENT UNTIL ALL CONTRIBUTING AREAS ARE PERMANENTLY RESTORED.
  - NOTIFY NICOLE BODERHOLM, RAMSEY-WASHINGTON METRO WATERSHED DISTRICT, AT (651) 772-7816 PRIOR TO BEGINNING ANY AND ALL CONSTRUCTION ACTIVITY FOR AN INITIAL SWPPP INSPECTION.
  - THE EROSION CONTROL MEASURES SPECIFIED ON THESE PLANS ARE A MINIMUM AND ADDITIONAL PRACTICES MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION.

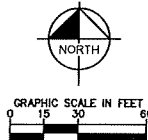
- #### SEQUENCE OF CONSTRUCTION:
- UPON PERMITS AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PAVING LAYOUT, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOIL WASTE CONTAINERS, ETC. IMMEDIATELY DEVOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.
- BMP AND EROSION CONTROL INSTALLATION SEQUENCE SHALL BE AS FOLLOWS:
- TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE.
  - INSTALL UTILITIES, UNDERGRASS STORM SEWERS, UNDERGROUND SYSTEM, CURBS AND GUTTERS, STRUCTURE IS INSTALLED.
  - INSTALL APPROPRIATE INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
  - PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
  - PREPARE SITE FOR PAVING.
  - PAVE SITE AND INSTALL STORMS.
  - INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.
  - COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.
  - OBTAIN COORDINANCE WITH THE CIVIL ENGINEERING CONSULTANT THAT THE SITE HAS BEEN FULLY STABILIZED THEN:
  - REMOVE ALL REMAINING TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
  - STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF BMPs.

- #### KEYNOTE LEGEND
- REDUNDANT (DOUBLE) SILT FENCE, OFFSET 3' FROM LOD OR PL FOR CLARITY
  - SWPPP INFORMATION SIGN

PH. II BMP QUANTITIES		
BMP	UNIT	QUANTITY
CONSTRUCTION ENTRANCE	EA.	1
INLET PROTECTION	EA.	36
SILT FENCE	LF	3,500
EROSION CONTROL BLANKET	SF	103,500

LIMITS OF DISTURBANCE	
TOTAL SITE AREA	7.40 AC
PRE-DEVELOPMENT PERVIOUS AREA	16.35 AC
PRE-DEVELOPMENT IMPERVIOUS AREA	1.48 AC
POST-DEVELOPMENT PERVIOUS AREA	15.09 AC
POST-DEVELOPMENT IMPERVIOUS AREA	3.26 AC

DEVELOPER/OWNER:
SITE OPERATOR/GENERAL CONTRACTOR:



**811**  
Know what's below.  
Call before you dig.

NOT FOR CONSTRUCTION

EROSION AND  
SEDIMENT  
CONTROL PLAN -  
PHASE 2 OUTLOT B

C301

CONSULTANT  
**Kimley-Horn**  
2021 KIMLEY-HORN AND ASSOCIATES, INC.  
787 EUSTIS STREET,  
SUITE 100, ST. PAUL, MN 55114  
PHONE: 651-455-4187  
WWW.KIMLEY-HORN.COM

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

*Dan Johnson*  
DAN JOHNSON, P.E.  
DATE: 09/20/2024 LIC. NO. 44114  
RVA PROJECT NO. 10244031

REVISIONS



## Minnesota Wetland Conservation Act Notice of Decision

<b>Local Government Unit:</b> Ramsey-Washington Metro Watershed District (RWMWD) <b>County:</b> Ramsey	
<b>Applicant Name:</b> Max Segler (Tycon Companies) <b>Applicant Representative:</b> Wayne Jacobson (Jacobson Environmental)	
<b>Project Name:</b> 580 Hwy 96 W Incidental	<b>LGU Project No. (if any):</b> 21-08 WCA
<b>Date Complete Application Received by LGU:</b> 5/14/2021	
<b>Date of LGU Decision:</b> 6/10/2021	
<b>Date this Notice was Sent:</b> 6/15/2021	

**WCA Decision Type** - check all that apply

<input checked="" type="checkbox"/> <b>Wetland Boundary/Type</b> <input type="checkbox"/> <b>Sequencing</b> <input type="checkbox"/> <b>Replacement Plan</b> <input type="checkbox"/> <b>Bank Plan (not credit purchase)</b>	
<input type="checkbox"/> <b>No-Loss (8420.0415)</b> <input type="checkbox"/> <b>Exemption (8420.0420)</b>	
<b>Part:</b> <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	<b>Subpart:</b> <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)

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

**Technical Evaluation Panel Findings and Recommendations** (attach if any)

<input type="checkbox"/> Approve <input checked="" type="checkbox"/> Approve w/Conditions <input type="checkbox"/> Deny <input type="checkbox"/> No TEP Recommendation
<p>Nicole Soderholm (RWMWD-LGU) and Ben Meyer (BWSR) joined Ashley Mack (Jacobson Environmental) onsite on 6/4/21 to review the boundary and discuss the application. No changes were requested to the boundaries/types. Based on the site visit and review of historical photos, there is insufficient evidence to categorize Basin 1 as incidental. Basin 3 appears to be a constructed stormwater pond in historically upland area and is therefore approved as incidental. A Ramsey County 1997 grading plan further supports this. Basins 1 and 2 remain jurisdictional under WCA.</p>

**LGU Decision**

<input checked="" type="checkbox"/> Approved with Conditions (specify below) <sup>1</sup> <input checked="" type="checkbox"/> Approved <sup>1</sup> <input type="checkbox"/> Denied
List Conditions: <b>Basin 1 is not considered incidental.</b>
<b>Decision-Maker for this Application:</b> <input checked="" type="checkbox"/> Staff <input type="checkbox"/> Governing Board/Council <input type="checkbox"/> Other:
<b>Decision is valid for:</b> <input checked="" type="checkbox"/> 5 years (default) <input type="checkbox"/> Other (specify):

<sup>1</sup> *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 decision<sup>1</sup>.

☒ Attachment(s) (specify): **1997 Ramsey County File: Grading Plan**

☐ Summary:

<sup>1</sup> Findings must consider any TEP recommendations.

#### Attached Project Documents

☒ Site Location Map ☐ Project Plan(s)/Descriptions/Reports (specify): Click here to enter text.

#### Appeals of LGU Decisions

If you wish to appeal this decision, you must provide a written request within 30 calendar days of the date you received the notice. All appeals must be submitted to the Board of Water and Soil Resources Executive Director along with a check payable to BWSR for \$500 *unless* the LGU has adopted a local appeal process as identified below. The check must be sent by mail and the written request to appeal can be submitted by mail or e-mail. The appeal should include a copy of this notice, name and contact information of appellant(s) and their representatives (if applicable), a statement clarifying the intent to appeal and supporting information as to why the decision is in error. Send to:

Appeals & Regulatory Compliance Coordinator  
Minnesota Board of Water & Soils Resources  
520 Lafayette Road North  
St. Paul, MN 55155  
[travis.germundson@state.mn.us](mailto:travis.germundson@state.mn.us)

Does the LGU have a local appeal process applicable to this decision?

☐ Yes<sup>1</sup> ☒ No

<sup>1</sup>If yes, all appeals must first be considered via the local appeals process.

**Local Appeals Submittal Requirements** (LGU must describe how to appeal, submittal requirements, fees, etc. as applicable)

#### Notice Distribution (include name)

Required on all notices:

☒ SWCD TEP Member: **Michael Schumann (Ramsey County)** ☒ BWSR TEP Member: **Ben Meyer**

☐ LGU TEP Member (if different than LGU contact):

☒ DNR Representative: **Leslie Parris, Dan Scollan**

☐ Watershed District or Watershed Mgmt. Org.:

☒ Applicant (notice only): ☐ Agent/Consultant (notice only):

Optional or As Applicable:

☒ Corps of Engineers: **Eric White**

☐ BWSR Wetland Mitigation Coordinator (required for bank plan applications only):

☐ Members of the Public (notice only): ☐ Other:

Signature:



Date:

6/15/2021

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.



# RAMSEY-WASHINGTON

## METRO WATERSHED DISTRICT

### MEMORANDUM

**Date:** October 2<sup>nd</sup>, 2024

**To:** Board of Managers and Staff

**From:** Nicole Maras, Regulatory Program Manager  
Mary Fitzgerald, Regulatory Specialist  
Kendra Kloth, Regulatory Technician

**Subject:** September Enforcement Action Report

During September 2024:

<b>Number of Violations:</b>	<b>20</b>
Install/Maintain Inlet Protection	5
Contain/Dispose of Liquid and Solid Wastes	4
Install/Maintain Perimeter Control	4
Install/Maintain Construction Entrance	2
General Permit Requirements	2
Sweep Streets	1
Remove Discharged Sediment	1
Implement Proper Dewatering	1

#### Permit Program- Activities, Trainings, and Coordination Meetings:

Permit site inspections and progress meetings, meetings with permit applicants, rule guidance assistance and inquiries, Wetland Conservation Act (WCA) administration & procedures, permit submittal reviews with Barr Engineering, preconstruction meetings, initial erosion control walk-throughs at newly active sites, vegetation establishment checks, 48-hour drawdown inspections, BMP installation and maintenance inspections, Prinsco product presentation, Maplewood Climate Mitigation planning meeting, U of M erosion program instructor meeting, MN GreenCorps Climate Panel presentation, Watershed Equity Alliance meeting, webinars, CSWEA Stormwater Cycling Tour

#### Single Lot Residential Permits Approved by Staff:

None



**Permits Closed:**

20-14 Central Park Pathway Maintenance (Roseville)  
21-05 1880 Old Hudson Rd Phase II (St. Paul)

**Project Updates:**

As the summer comes to an end and the transition to fall begins, three permit sites have started activity this month, with initial erosion control walk-throughs completed by staff:

**#24-33 Delaware Place (North St. Paul)**

This residential development project is located off Delaware Avenue, north of 17<sup>th</sup> Avenue East in the City of North St. Paul. The applicant is constructing 5 townhomes and an infiltration basin with pretreatment grass filter swales to meet stormwater treatment requirements.

**#24-09 MnDOT Testing Lab Addition (Maplewood)**

MnDOT is expanding their testing lab facility north of Highway 36 in the City of Maplewood. The project consists of a building addition and expansion of an existing parking lot. An infiltration basin will be constructed to meet stormwater treatment requirements.

**#24-26 Keller Park Tuj Lub Expansion (Maplewood)**

Ramsey County Parks is working to renovate the existing tuj lub courts east of Highway 61 in Keller Regional Park. Tuj lub is a traditional Hmong sport first introduced to the Saint Paul area in 2016. Renovations to the courts include artificial turf, bleachers for spectators, new fencing and barrier netting, lighting, and a picnic shelter and tables.

This site is unique as it holds cultural significance for the Hmong community and is adjacent to RWMWD natural resource restoration projects. The newly constructed courts will overlook Keller Creek, a stream connecting Keller and Phalen Regional Parks. The creek buffer was restored by the District's natural resource team and local partners in 2018. Through staff efforts the creek buffer has established native and aquatic plants, protecting stream banks, stabilizing soils and attracting pollinators.

Adjacent to the courts is another RWMWD and Ramsey County restoration site, an ecological preserve and Audubon Cooperative Sanctuary at Keller Golf Course. Since 2003, 30 acres of natural area have been restored, supporting over 200 native plant species and preserving biodiverse wildlife habitat.

Our permitting and inspections team will pay close attention to sediment and erosion control BMPs through the duration of construction of the new courts to ensure all nearby restoration projects and surface waters are robustly protected. This project is a great example of how our different departments work together to provide surface water protections and benefits.



*Keller Creek Buffer Restoration ([rwmwd.org](http://rwmwd.org))*



*Keller Golf Course Restoration ([rwmwd.org](http://rwmwd.org))*

*Tuj Lub Courts – Keller Regional Park*

Our permitting and inspections team will pay close attention to sediment and erosion control BMPs through the duration of construction to ensure all nearby restoration projects and surface waters are robustly protected. This project is a great example of how our different departments work together to provide surface water protections and benefits.

### **Closed Permit BMP Inspections Update**

#### **Permit #16-13 Chick-fil-A Underground Infiltration System**

On July 10<sup>th</sup>, 2024, RWMWD and Barr Engineering staff conducted an underground maintenance inspection of the stormwater facilities at the Chick-fil-A in Maplewood, which was a permitted project in 2016. Staff found excessive accumulated sediment and debris in the contributing catch basins. Additionally, an access riser had been paved over which limited the ability to properly view the system.

After receiving the report, the owner of the establishment reached out to meet onsite and get clarification on the required repairs. Staff met with the owner on September 4<sup>th</sup> and discussed removing sediment from the catch basins via vac truck and unearthing the access riser. The owner was receptive to staff recommendations and contracted out a team to make the repairs.

The owner was initially unaware of their stormwater infrastructure and associated responsibilities. This highlights the need for a robust closed permit inspection program where landowners are held accountable for maintaining their permanent BMPs. This site is an example of a failed stormwater system that is now receiving proper maintenance.

\*\*\*\*\*

# Stewardship Grant Program

\*\*\*\*\*

# Stewardship Grant Program Budget Status Update

October 2, 2024

		Last Month	This Month	Last Month	This Month
Homeowner	Coverage	Number of Projects: 28	Number of Projects: 30	Funds Allocated	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	15	16	\$43,913	\$48,913.00**
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	10	10	\$62,655	\$62,655.00
MN Water Steward Project	100% Cost Share \$15,000 Max	1	1	\$1,500	\$1,500
Shoreland Restoration	100% Cost Share \$15,000 Max	2	3	\$13,497.40	\$28,497.40*

		Last Month	This Month	Last Month	This Month
Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects: 16	Number of Projects: 19	Funds Allocated	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	4	5	\$24,597.50	\$39,597.50*
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	0	0	\$0	\$0
Priority Area Projects	100% Cost Share \$100,000 Max	4	5	\$381,211.50	\$481,211.50*
Non-Priority Area Projects	75% Cost Share \$50,000 Max	0	0	\$0	\$0
Public Art (\$50,000 Reserved)	50% Cost Share \$15,000 Max/Project	2	2	\$5,323	\$5,323
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	1	1	\$12,500	\$12,500
Enhanced Street Sweeping (\$250,000 Reserved)	Varies	5	6	\$142,375	\$145,591.00**

Maintenance	50% Cost Share \$7,500 Max for 5 Years	80	81	\$64,835	\$65,635.00**
Consultant Fees				\$60,120	\$62,706.00
<b>Total Allocated</b>				<b>\$812,527</b>	<b>\$954,129</b>

\*includes funds to be approved at current board meeting

\*\* includes staff approvals since previous board meeting

2024 Stewardship Grant Program Budget		
	Last Month	This Month
Budget	\$1,250,000	\$1,250,000
Total Funds Allocated	\$812,527	\$954,129
<b>Total Available Funds</b>	<b>\$437,473</b>	<b>\$295,871</b>

\* \* \* \* \*

# Action Items

\* \* \* \* \*

# Request for Board Action

---

**Board Meeting Date:** October 2, 2024

**Agenda Item No:** 7A

**Preparer:** Tina Carstens, Administrator

---

**Item Description:** Watershed Excellence Awards Approval

---

**Background:**

Annually, the District seeks out nominations for the Watershed Excellence Awards. This year's awards will be held on Thursday, November 21st, at Keller Golf Course. A formal invitation will be sent.

Eleven nominations were received by staff and narrowed down to seven finalists. Those finalists were reviewed by the citizen advisory committee (CAC) at their September 24<sup>th</sup> meeting, and suggested winners were selected for approval from the board.

The suggested award winners will be shared with the board members for approval at the October 2<sup>nd</sup> board meeting. Once the award winners are notified, the recipients will be attached to this cover memo in a revised packet online.

---

**Applicable District Goal and Action Item:**

**Goal: Inform and empower communities** – The District will inform and empower communities to become partners in improving and protecting the watershed through their own efforts.

**Action Items:** Hold events to celebrate community connections and participation, showcase partner accomplishments, and educate youth, families, and residents about clean water.

---

**Staff Recommendation:**

Staff recommends approval of the proposed Watershed Excellence Award winners.

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**Financial Implications:**

The Watershed Excellence Awards event is included in this year's budget under education events.

---

**Board Action Requested:**

Recommend and approve the proposed Watershed Excellence Award winners.



# Request for Board Action

---

**Board Meeting Date:** October 2, 2024

**Agenda Item No:** 7B

**Preparer:** Tina Carstens, Administrator

---

**Item Description:** Change Order No. 2 for the Woodbury Target Store Targeted Retrofit Project (Peterson Companies)

---

## **Background:**

Change order 2 for the Woodbury Target Store Targeted Retrofit Project is attached. This change order has various items described in the attached memo.

---

## **Applicable District Goal and Action Item:**

**Goal:** Achieve quality surface water – The District will maintain or improve surface water quality to support healthy ecosystems and provide the public with a wide range of water-based benefits.

**Action Item:** Implement retrofit water quality improvement projects.

---

## **Staff Recommendation:**

Approve Change Order No. 2.

---

## **Financial Implications:**

This change order will increase the contract price by \$66,992.55.

---

## **Board Action Requested:**

Approve Change Order No. 2.

**Change Order No. 2**  
**Ramsey-Washington Metro Watershed District**  
**Target – Woodbury Stormwater Retrofits**

**DATE OF ISSUANCE:** September 24, 2024

**Owner:** Ramsey-Washington Metro Watershed District  
2665 Noel Drive  
Little Canada, MN 55117  
Attn: Paige Ahlborg, Tina Carstens

**Contractor:** Peterson Companies  
8326 Wyoming Trail  
Chisago City, MN 55013  
Attn: Brad Nelson

**Engineer:** Barr Engineering Company  
4300 MarketPointe Drive, Suite 200  
Minneapolis, MN 55435  
Attn: Katie Turpin-Nagel

**C.O.2.A – C.O.2.D Purchase of additional materials**

Description of Change:

This change reflects the need to purchase additional materials for project completion. To expedite contract development, material costs were removed from unit cost estimates for materials purchased and stockpiled from the previous contractor assuming enough material was onsite for project completion. When Peterson Companies took over the project, we discussed this possibility, and agreed that if additional materials were needed to complete the work, additional payment would be addressed in a change order. As construction progressed, material shortages were observed, additional materials were purchased, and receipts provided for review. The table below summarizes which materials required additional quantities. Placement and installation of these materials is paid for under other existing unit items.

**Bid Form:**

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
C.O.2.A	Plaisted Companies – Iron Enhanced Sand & Planting Soil	LS	1	\$7,913	\$7,913
C.O.2.B	Core and Main – Ductile Iron Pipe, 6" PVC Pipe, Fittings, Appurtenances	LS	1	\$3,440	\$3,440
C.O.2.C	MYP Landscape Supply – Dark Hardwood Mulch	LS	1	\$2,549	\$2,549
C.O.2.D	AMCON - Splash Blocks (20 blocks + delivery)	LS	1	\$1,377	\$1,377

## **C.O.2.E Existing Draintile Connection to CB-01, CB-02, and maintain draintile connections to EX ST-01 and EX ST-02**

### Description of Change:

During excavation, existing draintile was found in the north parking lot that originally discharged to existing structures EX ST-01 and ST-02. The existing draintile was un-marked and unknown prior to construction. These draintiles likely serve to dewater certain parts of the parking lot outside of the project area, directing subsurface flow to existing structures EX ST-01 and ST-02. This is not an uncommon feature of commercial parking lots, and they are essentially impossible to locate prior to construction activities. The draintile was also not shown on drawings provided by the parcel owner.

This change reflects the need to connect these existing draintiles in the north parking lot to proposed catch basins CB-01 and CB-02 and to maintain draintile connections to existing structures EX ST-01 and ST-02. Complete reconnection to EX ST-01 and ST-02 is not possible with the proposed locations of CB-01 and CB-02 and elevations of the ductile iron storm sewer. To allow continued drainage of the existing draintile, connections to proposed catch basins CB-01 and CB-02 were required. Connecting to proposed CB-01 and CB-02 required core drilling an entry into each catch basin, installing draintile extensions and fittings as necessary to connect to the catch basin, installing a water resilient connection, and grouting the draintile. Existing draintile remaining downstream of CB-01 and CB-02 needed to maintain connection to EX ST-01 and ST-02. Maintaining the draintile connections to EX ST-01 and ST-02 required installing draintile caps, extensions, and fittings and bedding material as necessary to maintain drainage between the proposed catch basins and the existing structures.

### **Bid Form:**

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

<b>Bid Item</b>	<b>Description</b>	<b>Unit</b>	<b>Estimated Quantity</b>	<b>Unit Price</b>	<b>Estimated Cost</b>
C.O.2.E	Existing Draintile Connection to CB-01, CB-02, and maintain draintile connections to EX ST-01 and ST-02	LS	1	\$3,939.00	\$3,939.00

### **Measurement and Payment:**

Add the following to Section 01 22 00 (Unit Price Measurement and Payment) 1.04 BID ITEMS:

C.O.2.E. Existing Draintile Connection to CB-01, CB-02, and maintain draintile connections to EX ST-01 and EX ST-02

1. Method of Measurement: Existing Draintile Connection to CB-01, CB-02, and maintain draintile connections to EX ST-01, and EX ST-02 shall be measured as a single lump sum (L.S.) unit.
2. Basis of Payment: Contractor shall be paid a lump sum (L.S.) price for existing draintile connection to CB-01, CB-02, and maintaining draintile connections to EX ST-01 and EX ST-02. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations as are necessary to connect the existing draintile to CB-01 and CB-02 and to maintain draintile connections to EX ST-01 and EX ST-02 including the installation of draintile pipe of the type and size matching existing, including excavating, disposing of excavated material offsite, trenching, installing and compacting bedding material, all fittings and appurtenances, backfilling and compaction around

the pipes; core drilling an entry into the catch basins, installing a resilient connections, grouting the draintile connections, all complete as specified.

## **C.O.2.F Existing (EX) ST-02 Repair and Clean**

### Description of Change:

This change reflects the need to repair existing structure EX ST-02 and to clean EX ST-02, EX ST-03, and the pipe between these structures due significant accumulation of aggregate material from the parking lot. During excavation around EX ST-02, a hole was found in the existing structure. Upon review, it appears the pipe entry into the existing structure was not grouted properly during initial installation (completed by another contractor before this project started). After the bituminous was removed, gaps between the mortar blocks and the structure allowed water and aggregate to pass into the structure during a large storm event. Fixing the structure required excavating and exposing the existing structure, applying mortar mix/grouting to the openings, and installing and compacting backfill material around the structure. Cleaning the aggregate from EX ST-02 and the downstream pipe and structure (EX ST-03) required jetting the pipe and using a vac truck to remove accumulated aggregate.

### **Bid Form:**

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
C.O.2.F	Existing (EX) ST-02 Repair and Clean	LS	1	\$6,842.00	\$6,842.00

### **Measurement and Payment:**

Add the following to Section 01 22 00 (Unit Price Measurement and Payment) 1.04 BID ITEMS:

#### **C.O.2.F. Existing (EX) ST-02 Repair and Clean**

1. Method of Measurement: Existing (EX) ST-02 Repair and Clean shall be measured as a single lump sum (L.S.) unit.
2. Basis of Payment: Contractor shall be paid a lump sum (L.S.) price for repairing existing structure EX ST-02 and cleaning EX ST-02 and the downstream pipe and structure, EX ST-03. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations as are necessary to repair EX ST-02 and clean EX ST-02, EX ST-03, and the downstream pipe including excavating and exposing the damaged structure, grouting openings in the existing structure, installing and compacting backfill material, jetting the pipe to remove accumulated aggregate, using a vac truck to remove accumulated aggregate, and hauling and disposing of accumulated aggregate, all complete as specified.

## **C.O.2.G – C.O.2.H Plan (P) Quantity Changes**

### Description of Change:

A “(P)” designation on a unit item indicates that the item shall be paid based on plan quantities and not measured in the field. However, a contract revision is necessary if the actual quantity varies by more than 5% of the contract quantity and/or if a quantity variation causes the value of the work to vary by more than \$5,000 from the bid amount. Five (5) unit items that were originally designated as plan (P)

quantities in the Contract required more quantity of material than originally estimated during bidding. The following is a summary of those items:

- Peterson Companies needed to install additional materials in order to complete the work, exceeding the quantities indicated on the bid form for:
  - Clean Washed Sand with 5 percent iron aggregate
  - Planting Soil
- Based on field conditions observed, RWMWD staff directed Peterson Companies to remove additional existing pavement to better tie into existing drive lanes, which required the installation of a larger area of bituminous pavement than indicated on the plan sheets, which required a change to the bid item for:
  - Bituminous Pavement
- The development of a new contract in July 2024 to complete the construction of the stormwater retrofits at Woodbury Target required unprecedented turn-around times due to the emergency conditions at the site. As such, there was limited time to transfer the project to Peterson Companies and to do a detailed review of mid-project site conditions, especially in terms of the north garden's remaining excavation volume and associated bidding prices. Two related project items warrant some correction now that the project is complete.
  - First, the anticipated remaining subgrade excavation quantity in the north garden (required of Peterson Companies) was notably underestimated in the bid form as evidenced by trucking tickets provided by Peterson Companies. Peterson Companies had to remove more material than the plan bid quantity indicated to complete the excavation work in the north garden.
  - Second, during contract development, Peterson Companies agreed to use their previously bid unit prices from February 2024 to expedite contract development. However, Peterson Companies did not realize until project completion that their original unit price bids for trench drain, pipe, and structure installation incorrectly *excluded* the cost of excavation and disposal needed for installation of these items. Peterson Companies reached out to Barr Engineering that they had missed their error when resubmitting their bid in the transition from Kurilla and stands to lose a significant sum on the excavation and disposal portion of the work. Given the extraordinary, emergency conditions of Contract development and Peterson Companies' explanation for the error, Barr is recommending payment for materials excavated outside of the rain garden limits and disposed of offsite and is confident that this does not represent paying twice for excavation in the non-rain garden areas.

### Bid Form:

Add the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
N	Clean Washed Sand with 5 percent iron aggregate (P)	CY	71	\$37.75	\$2,680.25
EE	Bituminous Pavement (P)	SY	3,797	\$23.35	\$88,659.95
II	Planting Soil (75% loamy sand, 25% compost – MnDOT Grade II) (P)	CY	248	\$39.00	\$9,672.00
C.O.2.G	Excess Subgrade Excavation	CY	415	\$34.25	\$14,213.75
C.O.2.H	Excess Dispose Excavated Material Offsite	CY	415	\$38.00	\$15,770.00

Remove the following to Section 00 41 00 ARTICLE 4.01.A. BID ITEMS:

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
N	Clean Washed Sand with 5 percent iron aggregate (P)	CY	51	\$37.75	\$1,925.25
EE	Bituminous Pavement (P)	SY	3,469	\$23.35	\$81,001.15
II	Planting Soil (75% loamy sand, 25% compost – MnDOT Grade II) (P)	CY	183	\$39.00	\$7,137.00

**Change in Contract Time:** None

**Total Impact on Contract Price:**

These changes are anticipated to **increase** the contract price by **\$66,992.55**. This total is broken down across change order items as follows:

- C.O.2.A – C.O.2.D Purchase of additional materials: **\$15,279**
- C.O.2.E Existing Drantile Connection to CB-01, CB-02, and maintain drantile connections to EX ST-01 and EX ST-02: **\$3,939**
- C.O.2.F Existing (EX) ST-02 Repair and Clean: **\$6,842**
- Plan (P) Quantity Changes (Clean Washed Sand with 5 percent iron aggregate, Bituminous Pavement, Planting Soil): **\$10,948.80**
- C.O.2.G – C.O.2.H Plan (P) Quantity Changes (Subgrade Excavation and Disposal Offsite): **\$29,983.75**

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This Change Order No. 2 is:

Submitted By:  
(ENGINEER)

  
Katie Turpin Nagel, P.E., Project Engineer  
Barr Engineering Company

Date: 09/24/2024

Approved By:  
(CONTRACTOR)

  
Brad Nelson, Project Manager  
Peterson Companies

Date: 9/24/24

Authorized By:  
(OWNER)

Val Eisele, President  
Ramsey-Washington Metro Watershed District

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



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# New Reports/ Presentations

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## Memorandum

**To:** Ramsey-Washington Watershed District Board of Managers  
**From:** Paige Ahlborg (RWMWD), Katie Turpin-Nagel & Erin Anderson Wenz (Barr Engineering, Co.)  
**Subject:** Woodbury Target End of Construction Update  
**Date:** September 26, 2024  
**Project:** **Woodbury Target Stormwater Retrofits**  
**c:** Tina Carstens & Dave Vlasin, RWMWD

The construction phase of the Woodbury Target project is now complete. Peterson Companies (our second contractor on the project) has demobilized from the site, and the project's plantings are now in their warranty period. The rain gardens will be offline (disconnected from runoff) through fall and spring as plants establish and stabilize the garden soils. Target and Muir Property Management are happy to have full use of their parking lots as they head into Halloween and the upcoming holiday season. Now that the project has hit this construction completion milestone, it is a good time to review the project holistically and update the Board. The sections below revisit the cost-benefit of the project, outline the construction completion cost estimates, and discuss notable lessons learned.

Although the construction phase took longer than expected, the project was ultimately constructed according to the specifications, and we are confident that it will deliver the stormwater treatment benefit that we estimated earlier this year. According to our January 29, 2024, memorandum to the Board, we expected the following:

*Assuming a construction cost estimate between \$776,000 - \$898,000, a 20-year lifespan, estimated annual maintenance expenses of \$8,000, and an annual TP removal of 6.43 pounds, the annualized cost-benefit for the project is \$10,100 - \$11,500 per pound of TP.*

Ultimately, the project was more expensive than anticipated for a variety of reasons (outlined in detail below). Updating the annual cost per lb of TP removal to reflect the final construction cost, the annualized cost-benefit for the project is **\$11,700 per pound of TP removed**. Although slightly higher than the maximum end of the range we estimated originally, this value still falls within the typical range of larger-scale RWMWD retrofit projects.

### End of Project Construction Costs

In our January 29, 2024, memorandum to the Board, we presented our engineer's opinion of probable construction cost as a range from \$776,000 to \$898,000. This cost estimate range follows recommendations provided by the Association for the Advancement of Cost Engineering (AACE) for Class 1 opinion of costs. This range is typically expressed as a percentage of the total construction cost on each side (lower and higher) of that cost. Actual bids are based on many factors and often are specific to each contractor's skills, equipment, and availability; therefore, we do not expect all bids to fall within this range.

The range of engineer's opinion of probable cost does not, however, include the potential impact of a mid-project change in contractors. Nonetheless, it can be helpful to compare this range to the ultimate costs (estimated final costs through October) incurred on the project:

- Kurilla Contracting (including September materials purchased and anticipated return of retainage): **\$308,356.42**
- Peterson Companies (estimated final costs through October, including acceptance of Change Order 2 and anticipated return of retainage): **\$606,121.12**
- **Combined construction total: \$914,477.54**

Notable circumstances that resulted in additional construction costs are detailed below. There were some unavoidable inefficiencies that Peterson Companies experienced when they stepped in to take the project over from Kurilla Contracting, as well as extra work that was required to repair existing structures (not atypical for retrofit construction projects in commercial parking lots). Some specific examples of these cost increases are listed below.

1. Two mobilization/demobilization costs for two different contractors.
2. Multiple construction deficiencies were identified after the voluntary termination of the Contract for Convenience with Kurilla Contracting, some associated with prior completed work and some associated with transition time between contractors. Additional scope of work was added to the Contract with Peterson Companies to fix the deficiencies.
3. Existing draintile (unrelated to RWMWD's project) was found in the north parking lot that was not previously identified or marked. Field changes were needed to ensure the draintile continued to discharge to downstream infrastructure.
4. A hole was found in an existing (pre-project) structure that needed to be fixed.

### **End of Project Engineering Costs**

Originally, when we presented the Woodbury Target project scope summary to the Board, we proposed an engineering budget (covering design development, the creation of plans and specifications, bidding and construction administration) of **\$193,200**. Now that the project is drawing to a close, we can see more clearly how much engineering support has been needed for the project. As of September 13, 2024, Barr Engineering costs totaled **\$285,476.26**. Our estimated total costs through the end of October (including final review of pay applications, review and creation of record drawings, and other project closeout activities) are **\$300,000**.

Notable circumstances that resulted in additional engineering costs include:

1. Comments were received from Muir Property Management after design and bidding was completed, which resulted in revisions to the plan set and specifications and the development of a Change Order with Kurilla Contracting prior to construction start.
2. Substantially more construction oversight and administration were required by Barr staff while Kurilla Contracting was onsite to ensure quality of materials purchased and installed.
3. Coordination, meeting attendance, and development of documentation related to the voluntary termination of the contract for convenience with Kurilla Contracting.
4. Review and documentation of all materials remaining onsite from Kurilla Contracting for use by Peterson Companies to complete the project.

5. Coordination and development of new plan sheets, specifications, and Contract with Peterson Companies to complete the project.
6. Additional construction administration and oversight needed at start of construction with Peterson Companies to address questions on where the project left off, what materials were onsite, previous subcontractors, etc...
7. Overall duration of the project was over 3 months longer than anticipated.

### **RWMWD Budget for Increased Project Costs**

RWMWD budgeted \$950,000 for this project, with the construction portion coming out of the Stormwater Impact Fund (SIF). The SIF can cover the additional construction costs. As usual, the engineering costs will be taken from the Targeted Retrofit fund, which has sufficient funds to cover the overage.

### **Lessons Learned**

It is in the District's (and the public's) best interest for the District to work with a broad range of construction companies to implement its projects, and it is required that projects be competitively bid. The public bidding process allows a wide range of contractors to try and win District projects and helps the District select contractors in a transparent, non-biased way. However, this requirement does open the door for new and unknown contractors who may (or may not) truly have the level of expertise necessary to execute District projects.

The most notable lesson learned from the Woodbury Target Stormwater Retrofits Project is that in the future, it may be appropriate to tighten bidding requirements for future, comparable construction projects. Barr would recommend requiring contractor qualifications where the contractor must demonstrate experience with notable parts of the project that require specific expertise. Our contract documents, of course, already require this implicitly- a contractor is only supposed to bid on project when they have the expertise to execute it. However, requiring proof of experience in project-specific construction elements sends a stronger message about the level of expertise that is expected of all bidders, and allows the District to more clearly reject bidders that do not have enough expertise with a specific element of a project. Examples of specialized experience that might be relevant here include project elements such as infiltration/filtration basin construction, working on commercial properties, and installation of trench drains. In the past, we have included these requirements in stormwater retrofit bid packages, but discontinued their use when these types of projects were not as novel as they once were. Now, with new, smaller contracting companies starting to bid on more watershed district projects, we recommend reinstating this language in the District's bidding documents where applicable.

However, we recognize that in a public bidding environment, even with contractor qualifications more specifically required, we cannot confidently state that the District will never have another "Woodbury Target-type" situation. Our contract documents are full of guidance for a wide array of unlikely, but possible, events. We followed contract guidance throughout the course of the Woodbury Target project and will do so again if we find ourselves in another similar situation. However, one final lesson learned is that if and when we do encounter this situation again on a District project, we see value in intervening at earlier phases of the construction project, always guided by our contract language and RWMWD's legal counsel.

## Scope Summary

Date: September 25, 2024

**Project:** Wakefield Lake Aeration Study

**District Staff:** Paul Erdmann, Eric Korte, Tina Carstens

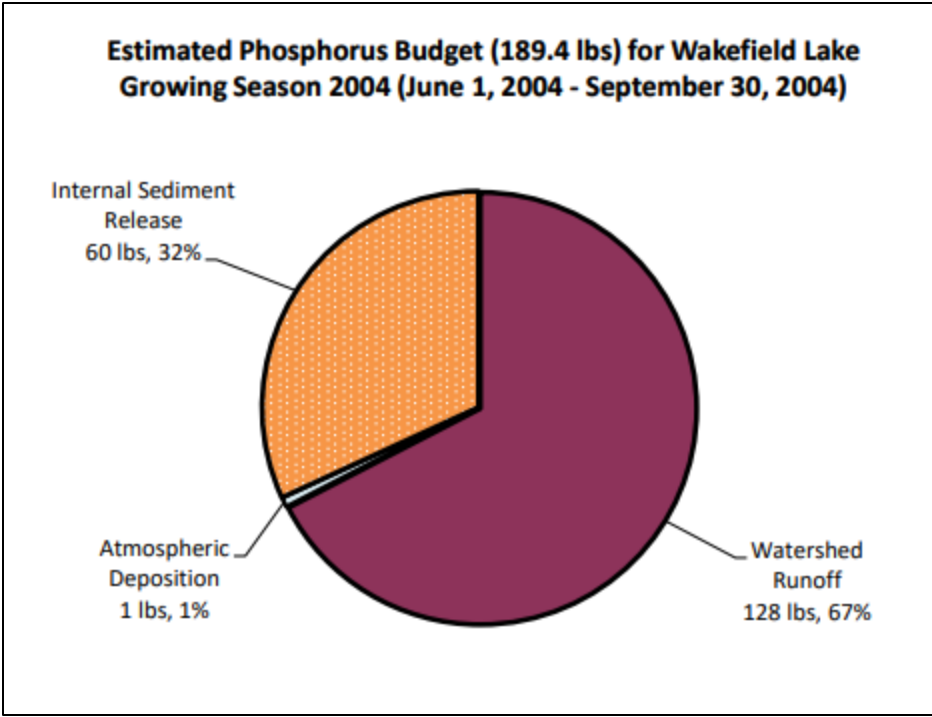
**Barr Staff:** Tyler Olsen (Project Manager)  
Keith Pilgrim (Technical Advisor)  
Erin Anderson Wenz (Principal)

## Background

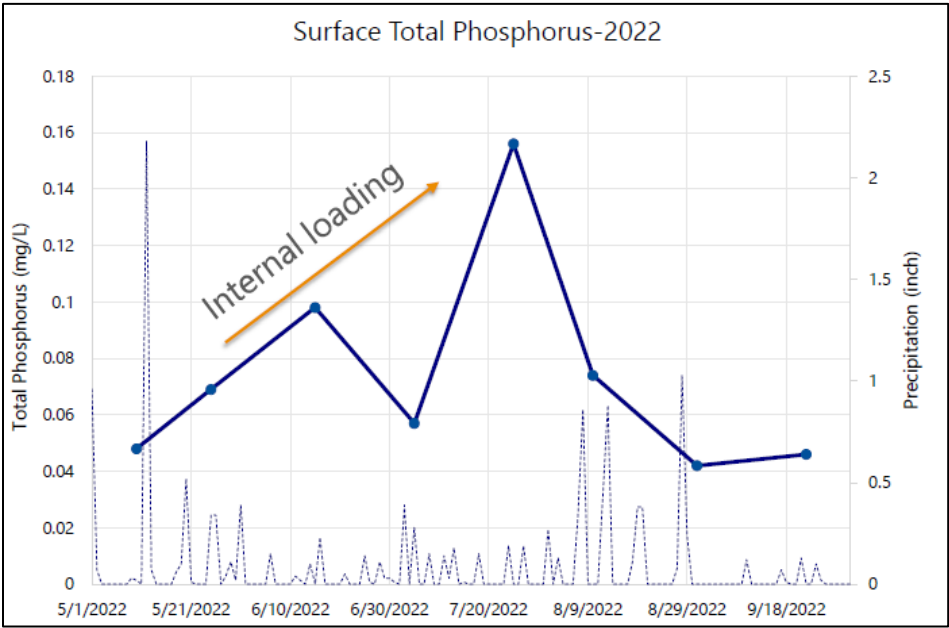
Wakefield Lake is an impaired waterbody located within Maplewood, MN within the RWMWD. A total maximum daily load (TMDL) was completed for Wakefield Lake in 2017. The TMDL identified that approximately 32% (60 pounds) of the TP load to Wakefield Lake came from internal phosphorus loading (see Figure 1). To date, several watershed phosphorus reduction measures have been taken (e.g., implementation of stormwater retrofit BMPs). Now, RWMWD would like to shift its focus towards controlling the internal phosphorus load in Wakefield Lake.

Results of multiple years of study involving sediment coring and analysis of water quality data suggest that most of the shallow lakes in the Ramsey-Washington Metro Watershed District (RWMWD) have internal phosphorus (P) loading rates high enough to influence lake water quality. Analysis of fluctuating dissolved oxygen concentrations and corresponding changes in total phosphorus (TP) in some of these lakes informed a hypothesis that aeration of some of RWMWD's shallow lakes may be effective in reducing internal P loading. For some of these shallow lakes, typical alum treatments may be less effective due to burial of the treatment with organic material and slow decay of organic-P, requiring multiple doses over time. In some cases, alum treatment would be completely ineffective. Given the potential ineffectiveness of alum treatments and the observation that higher dissolved oxygen concentrations may reduce internal loading, aeration may offer an alternative way to reduce internal P loading in certain RWMWD lakes.

Water quality monitoring in Wakefield Lake suggests a signature of internal loading (see Figure 2), where TP concentrations in the lake increase significantly during the summer months even in the absence of significant precipitation (i.e., low watershed P load). Wakefield Lake has a high fraction of organic-P compared to iron-P in the sediment. The lake also has a significant drainage area (\* acres, or a ratio of X:Y). These two factors suggest that a typical alum treatment may not be sufficient to control internal P loading in the lake. Therefore, this effort proposes to evaluate the potential effectiveness of increasing dissolved oxygen concentrations in Wakefield Lake as a way to control internal P loading. This scope summary describes the tasks needed to evaluate this potential solution.



**Figure 1. Wakefield Lake Phosphorus Budget (TMDL)**



**Figure 2. TP concentrations in Wakefield Lake during 2022**



## Scope of Work

The following is a description of the proposed tasks to complete this work:

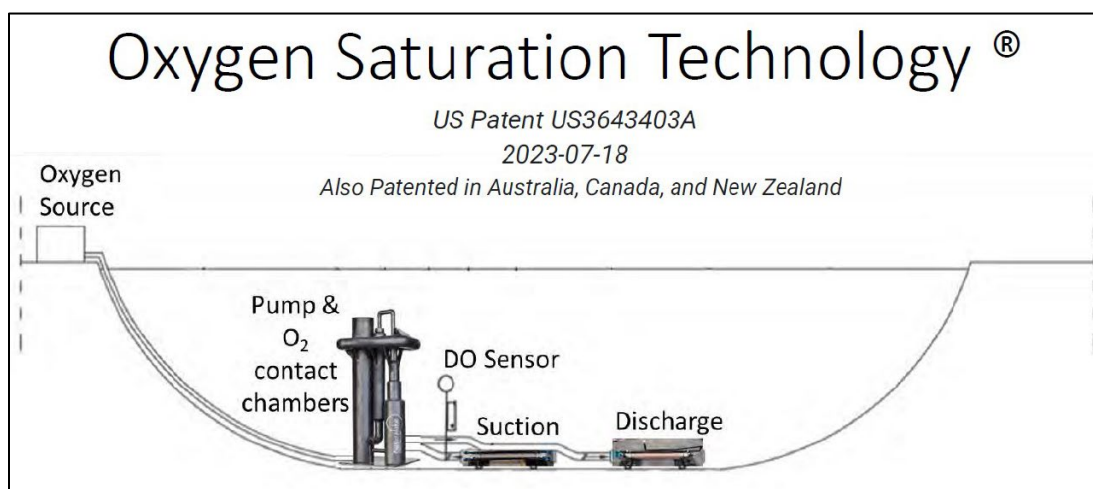
### Task 1 – Assess Existing Water Quality and Sediment Data

For this task, we will compile and assess existing water quality and sediment quality data to understand current water quality conditions in Wakefield Lake. This analysis will help us to understand potential aeration needs to control internal P loading. Additionally, we will summarize work completed to-date in the Wakefield Lake subwatershed as compared to the TMDL waste load allocation and summarize the current status of the lake's water quality, and relate it to internal P required reductions.

We assume no additional water quality or sediment monitoring will be required for this feasibility study.

### Task 2 – Alternatives Analysis of Aeration and Internal P Control Technologies

For Task 2, Barr will research current technologies that may be used to increase dissolved oxygen concentrations in Wakefield Lake to control internal P loading from sediments. This will include literature review and working with vendors of proprietary technology, such as the Oxygen Saturation Technology shown in Figure 3. Additionally, Barr will evaluate the need for chemical treatment of the sediment in addition to aeration in the lake.



**Figure 3. Direct oxygen injection diagram**

### Task 3 – Conceptual Design of Wakefield Lake Aeration

Using the results from Tasks 1 and 2, we will develop a conceptual or schematic design for aerating Wakefield Lake that will most effectively control internal P loading. We will work with vendors as needed to develop this conceptual design. The conceptual design will include evaluating electrical sourcing, siting of equipment, and evaluation of operations and maintenance needs. This task will also include developing a planning level cost estimate for the conceptual design.

Aeration of lakes requires additional permitting from the Minnesota Department of Natural Resources. Barr will summarize the required permitting information needed for the conceptual design.

#### Task 4 – Project Documentation

Barr will prepare a draft and final project technical memorandum summarizing the results from Tasks 1 through 3. We will also develop a presentation summarizing the results of the feasibility study, which we will present to the RWMWD Board of Managers at a regular board meeting.

We will also develop a proposed installation and water quality monitoring plan for post-installation assessment of Wakefield Lake's water quality response to the aeration system.

#### Budget

The cost to conduct the proposed scope of work is summarized in the table below.

Task	Estimated Cost
Task 1 – Assess Existing Water Quality and Sediment Data	\$10,000
Task 2 – Alternatives Analysis of Aeration and Internal P Control Technologies	\$15,000
Task 3 – Conceptual Design of Wakefield Lake Aeration	\$15,000
Task 4 – Project Documentation	\$10,000
<b>Total</b>	<b>\$50,000</b>

#### Schedule

The anticipated schedule for preparation for and completion of the study is summarized below.

Task	Estimated Completion Month
Task 1 – Assess Existing Water Quality and Sediment Data	February 2024
Task 2 – Alternatives Analysis of Aeration and Internal P Control Technologies	May 2024
Task 3 – Conceptual Design of Wakefield Lake Aeration	July 2024
Task 4 – Project Documentation	August 2024

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# Administrator's Report

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## MEMO

**TO:** Board of Managers and Staff  
**FROM:** Tina Carstens, Administrator  
**SUBJECT:** September Administrator's Report  
**DATE:** September 25, 2024

### A. Meetings Attended

Tuesday, September 3	8:30 AM	MAWA Executive Committee
Wednesday, September 4	10:00 AM	MW Events-Education Committee
	6:30 PM	Board Meeting
Thursday, September 5	8:00 AM	Metro-INET Strategic Planning Meeting
Friday, September 6	2:00 PM	FEMA Modeling Discussion
Monday, September 16	10:30 AM	Phalen Creek Daylighting Meeting
Tuesday, September 17	10:00 AM	Integrated Planning Workshop Cohort Meeting
Wednesday, September 18	11:00 AM	Lake Level and Outlet Operations Meeting
Friday, September 20	10:30 AM	Fish Creek Tributary Project Planning
Monday, September 23	9:00 AM	Staff DEIA Workgroup
	10:30 AM	Fish Creek Tributary Resident Call
Tuesday, September 24	10:00 AM	MAWA Fall Meeting in Fergus Falls
Wednesday, September 25	10:00 AM	Communications/GIS Program Planning
Friday, September 27	9:30 AM	Watershed Management Plan Planning

### B. Upcoming Meetings and Dates

Metro Watersheds Meeting	October 15, 2024
CAC Meeting	October 22, 2024
November Board Meeting	November 6, 2024
<b>Watersheds Excellence Awards</b>	<b>November 21, 2024</b>
<b>Minnesota Watersheds Annual Conference</b>	<b>December 3-6, 2024</b>
CAC Meeting	December 3, 2024
December Board Meeting	December 11, 2024

### C. Staff Anniversaries

The following staff have work anniversaries with the watershed in the month of October. This one is especially notable given Sage's plans to retire in December after 23 years at the watershed. We look forward to celebrating her and the work she has done at the watershed in the coming months.

October 22	Sage Passi	23 years
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**D. Board Action Log and Updates**

The board action log is attached. I review this list monthly and add anything suggested in the previous meeting.

**E. Minnesota Watersheds Updates**

For the monthly newsletters, go here: <https://www.mnwatersheds.com/news-letters>

Minnesota Watersheds is focusing on the upcoming annual conference planning. The conference is planned for December 3-6. MW is planning a new event at the conference on Tuesday evening at 6:30 pm related to government relations and lobbying. On Wednesday, during the day there will be an optional workshop to attend and then the conference will really get started on Wednesday evening. Thursday is a day of regional caucuses, concurrent presentations, a lunch keynote, and the awards banquet. Then on Friday morning the annual Minnesota Watersheds business meeting will be held.

I anticipate that the conference agenda and registration will be coming out in the next couple of weeks. The full meeting packet will be sent out October 31 which will then be included in your November board meeting packet for discussion.

**F. RWMWD Related Presentations at Upcoming Conferences**

We are heading into what we call, Conference Season. There are a few presentations coming up that will be presented by staff and/or Barr staff that are highlighted below for your information.

**Minnesota Water Resources Conference – October 15 and 16, 2024**

- *Maplewood Mall Stormwater Features – 15 Years of Lessons Learned* (Erin Anderson Wenz, Barr Engineering) - This presentation will look at how the stormwater features have experienced wet cycles, drought, heatwaves, wind, snow, and thousands upon thousands of cars and mall patrons in the years since installation. Some features have performed as well or better than expected. Others have had mixed success or have even required rebuilding or re-planting but through this, RWMWD has learned a lot since 2009. We will share these lessons learned, and how RWMWD has applied them to other parking lot projects (large and small) in the years since the construction of the Maplewood Mall Stormwater Retrofit project.
- *Maplewood Mall Maintenance and Educational Features – 15 Years of Lessons Learned* (Paige Ahlborg, RWMWD) - From the start, RWMWD knew maintenance of an installation this size, with so many elements, would be a major undertaking. This presentation will talk about how RWMWD took on the role of maintenance over the years to ensure consistency of maintenance activities as mall ownership transitioned. Along with water quality improvements, education was a major goal of the mall project. We will talk about how RWMWD pursued its educational goals for the project through a variety of educational

signage, interactive features, and artistic elements. This presentation will cover RWMWD's lessons learned over the past 15 years of Maplewood Mall maintenance and education, and how the RWMWD approaches similar projects today.

- *RWMWD Street Sweeping Prioritization and Implementation of Grant Program* (Michael McKinney, Barr Engineering) - RWMWD and Barr Engineering Co. completed a study to prioritize street sweeping District-wide and develop a grant program to support enhanced street sweeping efforts. Findings of this study informed implementation of an enhanced street sweeping grant program in 2023, which has been expanded for implementation in 2024.

**Minnesota Watersheds (MAWD) Annual Meeting – December 3 – December 6, 2024**

- *Watershed Approach to Retrofit Projects* (Paige Ahlborg, RWMWD and Tyler Olsen, Barr Engineering) - The talk will cover RWMWD's historic retrofit program, and the tools that have been developed to help identify, evaluate, and prioritize future retrofit projects including: WARP framework, Water Quality Project Prioritization Tool, and the associated web-mapping.



## Board of Managers 2024 Action Log

Wednesday, October 2, 2024

Item	Anticipated Action Date	Means of Action	Completed
Governance Manual	March 2024	RBA – Approval	March 2024
West Vadnais Lake Boundary Change	May 2024	Board discussion	May 2024
Shoreland Condition Assessment and Planning	May 2024	Presentation and Discussion.	May 2024
Addressing Internal Load in Lakes (aeration and alum)	Spring 2024	Board discussion	June 2024
Shoreland Assessment Next Steps	Fall 2024	Board Discussion	
PFOS Update	Fall 2024	Presentation and Board Discussion	
CAC 2025 Work Planning	Fall/Winter 2024	Board Discussion	
Impervious Surface Reduction Planning	WMP 2025	Presentation and Discussion.	
Chloride Use Reduction/Low Salt Design/Calibration Techniques	WMP 2025	Presentation and Board Discussion	

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# Project and Program Status Reports

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## Memorandum

**To:** Board of managers and staff  
**From:** Tina Carstens, Brad Lindaman, Erin Anderson Wenz, and Brandon Barnes  
**Subject:** Project and program status report: October 2024  
**Date:** September 25, 2024

**Note:** The location, brief description, and current status of each project described below can be found on the [2024 RWMWD engineering services story map](#).

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### Project feasibility studies

**A. Ames Lake area flood risk reduction planning study (Barr project manager: Matt Metzger; RWMWD project manager: Tina Carstens)**

*The purpose of this study is to complete a planning-level evaluation to identify potential modifications that reduce flood risk to homes and businesses near Ames Lake, supported by the City of Saint Paul. Work includes coordinating discussions with the city; reviewing potential pipe alignments, land acquisition costs, utility conflicts, and permitting issues; and completing the related design. This follow-up planning study was identified in the Beltline resiliency study.*

No activity occurred this month. The Housing and Redevelopment Authority (HRA) board continues to review its property portfolio and develop a long-range plan for several properties, including those near Ames Lake. The RWMWD is waiting for direction regarding whether the HRA-owned property near Ames Lake can be used for flood risk mitigation. The HRA is targeting fall 2024 to finalize its recommendations. Paige Ahlborg contacted the HRA on September 17 to check on the status of the HRA's internal work steps.

**B. Phalen Village flood risk reduction (Barr project manager: Brandon Barnes; RWMWD project manager: Paige Ahlborg)**

*The purpose of this study is to evaluate modifications to reduce flood risk near Phalen Village north of Lake Phalen by lowering flood levels to remove structures from the 100-year floodplain. The feasibility study was completed in 2022. In 2024, the RWMWD is working with the City of Maplewood to incorporate modifications to the storm sewer system into the city's 2024 street improvement project. This is a follow-up planning study identified in the Beltline resiliency study.*

There was no activity this month. Construction of storm sewer modifications, apart from the final pipe segment, has been completed as part of this summer's Maplewood street improvement project. The final pipe segment can be constructed later if the property owner allows access in the future. No further updates will be provided under this section until that time.

**C. Resiliency study for non-Beltline tributary areas—pre-planning study and evaluation of existing data (Barr project manager: Jay Hawley; RWMWD project manager: Tina Carstens)**

*The purpose of this project is to evaluate potential system-scale modifications to reduce flood risk within the portion of the RWMWD that was not evaluated as part of the Beltline resiliency study. This portion of the watershed includes the Tanners Lake, Battle Creek Lake, Battle Creek, Carver Lake, Fish Creek, and Snake Creek subwatersheds. The evaluation will identify modifications to the drainage system that could reduce flood risk to habitable structures within the 100-year floodplain of district-managed water bodies—including actively managing outlet control structures on Tanners Lake, Battle Creek Lake, and Carver Lake. This evaluation will allow the RWMWD to identify potential flood risk mitigation strategies that address the portion of the district that is not tributary to the Beltline.*

There was no activity this month; the reporting phase of this study is now complete and no further updates will be provided under this section.

**D. Owasso Basin flood risk reduction (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)**

*The purpose of this study is to evaluate the benefit-cost of flood risk reduction strategies in the Owasso Basin/North Star Estates area by removing habitable structures from the floodplain. Stakeholder outreach with the City of Little Canada is important to this effort. This study is a continuation of the Owasso Basin bypass study, which laid out several phases of implementation and areas of further study.*

There was no new activity this month. For now, the project is on hold, as two landowners are unsupportive. Barr and the RWMWD will continue to work with the city and landowners and if new opportunities arise that have landowner support, we will work with all stakeholders to identify feasible flood risk options. No further updates will be provided under this section.

**E. Street sweeping (Barr project manager: Michael McKinney; RWMWD project manager: Paige Ahlborg)**

*The purpose of this study is to support the 2024 enhanced street-sweeping grant program.*

During this period, Barr coordinated with the RWMWD regarding the MPCA “Clean Sweep” August presentation. We are tracking RWMWD communications with the City of Saint Paul related to available funding for enhanced street sweeping.

**F. Maplewood Mall 2024 assessment (Barr project manager: Fred Rozumalski; RWMWD project manager: Paige Ahlborg)**

*The purpose of this effort is to conduct a comprehensive assessment of Maplewood Mall, similar to the effort conducted in 2018. The assessment leverages an iPad field data application to collect information on the site’s tree trenches, rain gardens, porous pavers, and educational features. This*

*effort will help define tree replacements in groves where trees are doing poorly (especially in the north and northwest tree groves) and guide repairs for a garden that is no longer draining properly.*

Barr continues to review the data collected last spring across the Maplewood Mall site. Recommendations for repairs, as well as any necessary tree and planting replacements, will be included in a report planned for later this fall.

This period, Barr completed the final round of fieldwork planned for the site, including measuring oxygen levels and performing video inspections in select tree trenches as well as conducting a “synthetic storm” in the south tree grove (as described last period). The findings from these efforts will be presented in a final report later this fall and in a presentation at the Minnesota Water Resources Conference in October.

**G. Watershed approach to retrofit projects (WARP) (Barr project managers: Marcy Bean and Tyler Olsen; RWMWD project manager: Paige Ahlborg)**

*In 2022 and 2023, Barr reviewed the history of the retrofit program to help inform considerations for future projects. This “retrofit inventory” resulted in an updated database of over 17,000 properties and geographic information system (GIS) maps of built and considered projects. In 2024, Barr will work with the district to consider the intersections between the database and other district-wide initiatives and information to guide retrofit project selection more systematically.*

There was no new activity this month. The WARP abstract was accepted for the Minnesota Watersheds Conference. Barr will begin preparing a presentation in collaboration with the RWMWD this fall.

**H. Tanners Lake, Battle Creek Lake, and McKnight Basin outlet operation plan (Barr project manager: Jay Hawley; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to refine the design and operation plans for the proposed outlet modifications on Tanners Lake, Battle Creek Lake, and possibly McKnight Basin. This scope continues the feasibility work that began in 2023 to identify strategies or combinations of strategies and system modifications that could remove habitable structures in the Tanners Lake and Battle Creek Lake watersheds from the 100-year floodplain.*

This project is on hold while we wait for the 2025 Battle Creek monitoring data to be collected and processed. The 2025 monitoring data will be used to determine if Battle Creek’s water quality can be improved through active management of the lake outlets. Work on this feasibility study is planned to resume in summer 2025, including the collection of monitoring data, with anticipated completion that fall.

## Watershed management plan update

### I. Watershed management plan update scoping (Barr project manager, Greg Williams; RWMWD project manager: Tina Carstens)

*The purpose of this project is to prepare for the RWMWD watershed management plan update by scoping pre-work that should take place this year.*

During this period, Barr staff met internally to identify tasks to be initiated in 2024, refine the scope of those tasks, and schedule a project kickoff meeting with the RWMWD.

## Capital improvements

### J. Woodbury Target store stormwater retrofit project (Barr project manager: Katie Turpin-Nagel; RWMWD project manager: Paige Ahlborg)

*The purpose of this project is to create concept-level and final designs and construct stormwater BMPs for Woodbury's Valley Creek Target shopping complex.*

Construction is substantially complete at the Woodbury Target, and Peterson has demobilized from the site. The only remaining item is fencing pickup, which is scheduled for September 28. All fence has been taken down; a stockpile remains on site for the contractor to pick up. The start of the one-year plant warranty is September 19, 2024. Peterson's second payment application is included in this month's board packet for the managers' approval. Change order 2 is also included for manager review and approval.

Kurilla Contracting's construction retainage will not be released this month, as we are awaiting submittal of Kurilla's IC134 documentation.



Figure 1: The completed south filtration rain garden at the Woodbury Target





**Figure 2: The completed trench drains that will collect runoff in the north parking lot and direct to the north filtration rain garden for treatment**

**K. Roosevelt Homes (Barr project manager: Marcy Bean; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to create construction documents for a multi-phase flood management and water quality improvement project at the Roosevelt Homes public housing area in Saint Paul.*

This month, we prepared 95-percent design drawings, and the stormwater models required to meet City of Saint Paul requirements. Pending the final modeling, we anticipate submitting these to the City of Saint Paul plan review process in the fall. The project was awarded an MPCA Implementation Grant for Stormwater Resilience, which will offset most of the RWMWD funding for phase 3. Barr, following RWMWD direction, is awaiting MPCA grant approval to pursue design and future bid and construction.

**L. Targeted retrofit projects 2024 (Barr project manager: Marcy Bean; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design BMP retrofits on previously identified commercial, school, and faith-based properties throughout the district, as well as to provide bid assistance and oversee construction.*

The RWMWD and Barr have met potential project partners and visited sites to determine potential projects for 2025 retrofits: Saint Paul Youth Services green roof, Maplewood Toyota BMP retrofit, and landscape improvements and BMP retrofits at Cochran Recovery Services in Maplewood. Site surveys have been initiated, and we anticipate completion in late September.

**M. Stewardship grant program (Barr project manager: Marcy Bean; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to 1) provide BMP design and review services to cost-share applicants throughout the RWMWD on an as-needed basis and 2) support the development of the stewardship grant program.*

Woodland Hills Church reconstruction is nearly complete. Barr and the RWMWD met with the Washington Conservation District and church leaders at The Grove Church in Woodbury to discuss a potential grant project in church parking lot. The size of the project may move it into the targeted retrofit program, pending partner discussions. In addition, Barr reviewed the Washington Conservation District's design for the Tanner's Lake boat launch.

**N. Permit program assistance (Barr project manager: Brandon Barnes; RWMWD project manager: Nicole Maras)**

*Phalen Creek daylighting*

Wakan Tipi Awanyankapi's (WTA), Phalen Creek daylighting project is a continued effort to engage Saint Paul residents and community groups and advance the design to daylight the historic Phalen Creek. The creek corridor begins at Lake Phalen and continues south to the Mississippi River through the Payne-Phalen and Dayton's Bluff neighborhoods. Phalen Creek is the historic outlet for Lake Phalen. In the 1800s, the creek was routed into a pipe system, which is currently referred to as the Beltline Interceptor. WTA is working to restore a natural creek that follows a similar path to the historic creek. WTA's consultant is developing the design of reaches 7 and 8, which are located within the RWMWD. The remaining reaches are in Capitol Region Watershed District.

During the design phase of the project, RWMWD and Barr Engineering has provided as-needed collaborative assistance to facilitate design development. We have provided input on drainage near the project extents, reviewed the stormwater model being used for design, and reviewed preliminary designs. During design development, WTA requested that the RWMWD assume responsibility for maintenance and operation of the new outlet from Lake Phalen.

WTA attended the May 2024 RWMWD board meeting to present the project. A brief summary is included below of ongoing support that the RWMWD has provided following the May 2024 board meeting.

- June 2024: The RWMWD provided comments on the pre-60-percent plans and stormwater model submitted by WTA. The RWMWD and Barr reviewed the stormwater model for consistency with the preliminary plans and evaluated the stormwater model documentation and preliminary

plans. The RWMWD also provided input on aspects of the proposed design that would require modifications to comply with the RWMWD's rules.

- July 2024: WTA submitted 60-percent preliminary plans. The 60-percent plans advanced the design and addressed some of the comments that the RWMWD provided in June.
- August 2024: WTA submitted a response to comments that summarized how the design changed based on RWMWD input. The document also tracked which RWMWD comments had not been addressed as well as the tentative approach to address outstanding comments.
- September 2024: The RWMWD and Barr met with representatives from Milestone Partners, the project management consultant hired by WTA, to discuss RWMWD comments and information that should be included in the RWMWD permit application.

WTA is continuing to advance design of the proposed Phalen Creek corridor, including addressing outstanding comments that the RWMWD provided in June. We understand that the tentative schedule is for WTA to complete 90-percent plans this fall and submit a permit application for RWMWD review. After receiving revised plans, the RWMWD will coordinate with WTA and the City of Saint Paul on responsibilities for operation and maintenance of the proposed outlet from Lake Phalen.

**O. Pioneer Park stormwater reuse (Barr project manager: Jennifer Koehler; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to complete the final design, plans, and specifications for a stormwater reuse system in Pioneer Park that will reduce both the use of groundwater for irrigation and phosphorus loads to downstream water bodies.*

Peterson Companies has installed the WaterTronics reuse pumps and treatment system at Pioneer Park. Peterson is connecting the intake structure and existing irrigation system as well as making the necessary electrical connections to the treatment system. A few modifications to the piping in the existing park pavilion are still needed. The goal is to get the system up and running yet in 2024 so that it is ready for use starting in the 2025 irrigation season.

**P. Fish Creek tributary improvements (Barr project manager: Tyler Olsen; RWMWD project manager: Tina Carstens)**

*The purpose of this project is to design and implement vegetation improvements around Double Driveway Pond, as well as stream stabilization improvements in the Fish Creek tributary upstream.*

This month, district staff began contacting homeowners to drop off offers and discuss next steps. In the coming weeks, the RWMWD and Barr will mark the existing and proposed easements along the creek and will meet with property owners on site to discuss the proposed changes. To date, the property owners seem to understand the need for the project but are reluctant to provide easements due to the concern about tree clearing, access to the opposite side of the creek, and the openness of the space once the work is completed.

**Q. Cottage Place wetland regeneration (Barr project manager: Brendan Dougherty; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design and restore a degraded wetland on City of Shoreview property near the Cottage Place cul-de-sac. The project will involve the creation of plans, bidding, and construction administration to provide additional stormwater treatment and restore wildlife habitat in the area.*

This month, Barr coordinated the overall construction schedule, preliminary submittals, and timing for an herbicide treatment of invasive species this fall with Dimke Excavating. The invasive species management will occur in September, but major construction operations will not start until after November 15 to avoid potential impacts on bats and birds.

**R. County Road C culvert replacement (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design and construct a box culvert where Kohlman Creek crosses under County Road C (owned by Ramsey County) in Maplewood. The culvert was identified as a flood risk reduction improvement project in the Kohlman Creek flood risk reduction feasibility study.*

During this period, Barr reviewed final submittals from Bituminous Roadways. We also coordinated with the city, Ramsey County, Maplewood school district, and Metro Transit about the upcoming traffic impacts. Construction began on September 16 with clearing and grubbing of trees on either side of the road. Bituminous Roadways continues construction and will be excavating the roadway and placing box culvert sections during the week of September 23. The first payment application from Bituminous Roadways is included in this month's board packet. Construction activity is anticipated to be completed in early October based on Bituminous Roadways' current schedule.

**S. Kohlman Creek flood risk reduction projects—final design (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg)**

*The purpose of this project is to design multiple flood risk reduction improvement projects that were previously identified in the Kohlman Creek flood risk reduction feasibility study. The improvement projects include PCU Pond T grading, 13th Avenue storm sewer improvements, and berm grading and outlet installation in the backyards of homes along County Road C.*

During this period, Barr requested quotes from drilling companies to collect soil borings at the two locations for final design of flood risk reduction improvements. Additionally, we finalized an agreement with Ramsey County to access the property for survey and soil boring collection. Topographic survey and soil borings are scheduled to be completed in October. We will then advance the design of improvements. This fall, Barr will share preliminary designs with Maplewood, North Saint Paul, and Ramsey County to gather input. The tentative schedule is to solicit bids during winter 2024–2025 and construct in summer 2025.

## CIP project repair and maintenance

### **T. Routine CIP inspection and unplanned maintenance identification (Barr project manager: Gareth Becker; RWMWD project manager: Dave Vlasin)**

*The purpose of this effort is to maintain the RWMWD's existing capital improvement projects as they arise outside the normal annual maintenance project.*

Initial surveys of sites for inclusion in the 2025 CIP project are underway. This upcoming CIP project is slated to be the largest number of pond cleanouts in the annual maintenance project to date, with 22 separate sediment cleanout sites being evaluated for sediment removal. Most of these sites have been submitted by municipalities participating in the district's cost share program. We currently estimate that half of these will make it into the project scope. A possible cause of the increase in program participation is the district's presentation at the city engineers conference last year. The talk was well attended and generated a lot of positive comments.

We expect to have a 90-percent design and specifications table of contents for board consideration at the November 6 board meeting.

### **U. Beltline Mississippi Branch outfall replacement project (Barr project managers: Joe Welna and Nathan Campeau; RWMWD project manager: Dave Vlasin)**

*The purpose of this project is to replace the final approximately 70 feet of the Beltline Interceptor adjacent to the Mississippi River that failed in July 2023.*

In September, Barr helped the district review submittals, coordinate access to the project site, facilitate a preconstruction meeting, and perform site investigations with the contractor. Construction and repair are planned for late fall and winter 2024–2025.

### **V. Natural resources update: Paul Erdmann**

**Keller Shoreline- Phase 2 Installation** In middle of September we installed Phase 2 of the Keller Shoreline Restoration Project. This work was very similar to Phase 1 that was installed in the spring. It included prepping the site, installing 36 coir biologs, and filling in rock gabions with small rock and then a soil mix, seeding, and installing erosion control fabric. We timed this project just right during a dry spell and Keller Lake was the lowest it has been since early spring, and the lack of rainfall made the installation much easier (we would have taken some cooler temperatures, though). We were assisted by Conservation Corps and Ramsey County Parks and SWCD staff. In the spring of 2025, we will plant Phase 2 with containerized native plants and emergent plants utilizing





students and other volunteers, while teaching them the importance of shoreline restoration and native plants. This project is a collaboration with Ramsey County Parks & Recreation and is part of the Keller Habitat Enhancement Project, which is funded by a Conservation Partners Legacy grant. The planting in 2025 will complete this project and the grant will be fully expended.



*Keller Shore Phase 2 Install- top to bottom: Installing biologs, jetting in rock, rolling out erosion control fabric.*

**Other Restoration Work** This week we are planting shrubs on the edge of the **Lake Owasso Restoration** expansion that was installed last year and some of our other managed sites. The native shrubs that were selected for this have high pollinator and bird habitat value, including pussy willow, Bebb's willow, red osier dogwood, false indigo, and downy hawthorn. We are also planting several hundred native plants at **Casey Lake**, replanting an area of shoreline that was disturbed by a City project and adding species in other areas of our restoration to increase diversity. We are moving forward with expanding one of our prairie restorations at **Goodrich Golf Course**. Ramsey County and Goodrich Superintendent Scott Weik are excited about our restoration work at the course that started in 2022. They contacted us last winter about expanding the no-mow prairie areas of the course. Scott reports that the turf conversion work has also been well accepted by golfers. Site 7 at the northwest part of the course will be expanded this fall from 19,000 sq. ft. to a little over an acre of prairie restoration, adding to our existing 2.5 acres.



*Goodrich Site 7 Expansion- Tan area is the existing restoration, orange is the expansion area.*

### **Tours/Sharing Our Work**

We hosted two tours in September. On September 5<sup>th</sup>, we hosted Capitol Region Watershed District's Facilities and Projects staff for a tour of our Keller Golf Course restorations. CRWD staff were interested in hearing about our work there and 20 years of partnership with the County and course. They also wanted to learn more about our Natural Resources Program, staffing, and all of the other great work that we do.



*At the MCN tour, Paul describes the "simple" 18 step process for the Keller Shore restoration. ☺*

On September 12<sup>th</sup> we hosted members of the [Metro Conservation](#)

[Network](#) for a tour titled "Partnership and Restoration in the Phalen Chain of Lakes." We toured the new Keller Shoreline restoration, and our shoreline, prairie and savanna work at Keller Regional Park, Keller Creek, and Lake Phalen. Tour attendees were able to see in-progress restoration work on Keller Lake, establishing plantings at Keller Regional Park, and more than 20-year-old restorations at Lake



Phalen. A big focus of the tour was our critical and collaborative partnerships for these projects, and we were joined by Mike Goodnature, Ramsey County Natural Resources Manager, and Emily Dunlap, City of St. Paul Natural Resources Coordinator. This tour also gave us the opportunity to share the recently published Phalen Paper to a larger audience. The tour was well attended and received by those present.

## **W. Public involvement and education program: Sage Passi and Carrie Magnuson**

### **Education Staff Launch The 2024-2025 School Year With K-12 Watershed Classroom Lessons and Community Learning Activities**



**Left Photo:** Tracy Leavenworth and Sage Passi met with L’Etoile du Nord’s fifth grade teacher, Megan Scholl (center) to plan for the fall and upcoming months and to coordinate a field trip to the Boys and Girls Club and Ames Lake. **Right Photo:** Carrie Magnuson led Central Park Elementary students in a lesson using the Enviroscope to explore the ways run-off and pollutants travel through the watershed and impact downstream lakes, wetlands, creeks and rivers.

Our Communications/Education Team held meetings with 24 teachers in nine schools in late August/early September to prepare for fall activities and the coming year. A teacher meeting was set up with Lionsgate Academy in Shoreview for early October. Another meeting will be scheduled with two St. Peter Catholic School teachers in North St. Paul and one meeting with a L’Etoile du Nord third grade teacher in St. Paul is also planned. Sage Passi communicated with Woodbury Elementary principal, Tony Mosser, Chad Snuggerud, the School District’s Grounds Foreman, and two 4<sup>th</sup> and 5<sup>th</sup> grade teachers at Woodbury Elementary to engage their classes in preparation for the planting of two native gravel bed-raised linden trees that will be transported from the Washington County Fair Grounds nursery and planted in their large school raingarden on Saturday, September 28 with help from our natural resources interns, Sage and Washington County Master Gardener/Water Steward/tree care advisor, Anna Barker.

**After conducting planning meetings with the 24 teachers, our education staff engaged in watershed pre-lessons and hands-on activities with the following schools:**

- Island Lake Elementary School (5 – 5<sup>th</sup> grade classrooms and teachers ~140 total kids)
- L’Etoile du Nord French Immersion (one 5<sup>th</sup> grade classroom and teacher ~30 kids)
- Mounds Park Academy (2 teachers - 10<sup>th</sup> grade Biology class, 12<sup>th</sup> grade Environmental Chemistry ~40 kids)
- Central Park Elementary School (4 5<sup>th</sup>/6<sup>th</sup> grade classes, ~120 kids )

Tracy and Carrie made plans with teachers to go into the other classrooms and do field trips/outdoor activities in upcoming weeks with St. John Catholic School (2 sixth 6 & 7<sup>th</sup> grade science classes); 3 fifth grade classes at Weaver Elementary School (~81 kids); 2 5<sup>th</sup> grade classes ~48 kids) American Indian Magnet and (3 4<sup>th</sup> grade classrooms and 1 3<sup>rd</sup>/4<sup>th</sup> split grade classes ~108 kids) at Farnsworth Aerospace.

### **The Watershed Pre-Lessons/Activities in September included:**

- Reflections on waterbodies that students may have visited that are special to them
- Exploration of watershed issues, solutions, impervious surfaces and sources of pollution
- The value and purpose of rain gardens on site at their school
- Use of the Enviroscape for a hands-on view of different types of pollution, how pollution runs off into lakes and streams and what 5<sup>th</sup>/6<sup>th</sup> graders can do to help
- An interactive puppet show to highlight native plant root depth and infiltration capacity
- Samples from their rain garden plants that Central Park Elementary used to create an art piece on tagboard (4 Central Park Elementary classes in 5<sup>th</sup> and 6<sup>th</sup> grade)
- Participation in a “Just Passing Through” experience developed by *Project WET* to demonstrate how plants slow down and filter stormwater as it moves through the watershed. (Central Park, L’Etoile du Nord, Island Lake Elementary)
- Woodbury Elementary pre-lesson created by Lori Maxfield and offered online for two 4<sup>th</sup> and 5<sup>th</sup> grade classes about the value of native trees/tree care in watershed protection

Below are photos of the outdoor watershed education activities that engaged fifth and sixth grade classes in their rain garden this month at Central Park Elementary in Roseville.



**Above left:** Students gather plant samples to learn about diversity in their rain garden. **Center:** Students display the diversity of plants they discovered in Central Park School’s rain garden. **Right:** A puppet show illustrates the root length of native plants, their ability to help infiltrate water and benefits to water quality.

Five Central Park Elementary 5th/6th grade classes also took a field trip to Central Park where students visited a ‘watershed’ station and played the “Just Passing Through Game.”

Megan Scholl’s L’Etoile du Nord 5th grade class journeyed on a walking field trip to the East St. Paul Boys and Girls Club where they experienced the Just Passing Through Game on a nearby hill. They also explored the native plants in the garden, collected seeds and made chalk art about pollinators. This art effort was a big hit! Previous classes at L’Etoile du Nord were very involved in planting the native plants in this garden. This native demonstration garden went through the last three years of drought, but now

because of this year's rain the plants have grown to be huge! The class also walked over to Ames Lake and participated in a scavenger hunt looking at stormwater features, native plants and animals and the newly installed steel heron sculpture in the park.

### Island Lake 5<sup>th</sup> Grade Classes Learn Through Hands on Activities



**Left:** An Island Lake fifth grader studies a native plant research sheet displayed in the school's rain garden. **Center:** Carrie Magnuson demonstrates the different types of pollution that can run off into our local lakes, streams, rivers and wetlands. **Right:** Sage Passi shares her plant knowledge with students.

### Engaging Mounds Park Academy Science Students at Wakefield Lake Pond Activities



Carrie Magnuson organized a field trip with Mounds Park Academy high school students in September. Hannah Sullivan's 12<sup>th</sup> grade Environmental Chemistry class drove to Wakefield Lake Pond and met with RWMWD's Water Quality Team while they were doing pond sampling. Mounds Park Academy pond and campus ultimately drains to Wakefield Lake as does the water from Mounds Park Academy's campus. The students learned about the District's water quality monitoring efforts from Lyndsey Flaten and had the opportunity to learn about Mia's internship with the Watershed District's water quality team.

Back at the Mounds Park Academy campus, Carrie Magnuson, Tracy Leavenworth and Kathy Sidles, a Master Naturalist and native bee monitor engaged with Mitch Thomsen's science classes in several classroom and field lessons to investigate the population of native bees in the buffers and plantings around their campus and explore some of the challenges and threats to the native buffer and the new rain gardens as well as the extensive native plantings and rain garden basins present on their grounds.

### **A Tree Planting and Tree Adoption Project at Woodbury Elementary**

A native tree planting project at Woodbury Elementary was initiated by Washington County Master Gardener/Minnesota Water Steward and Tree Care Advisor, Anna Barker who secured pro bono two native gravel bed grown linden basswood trees (valued at \$150 each) for one of the school's large scale rain gardens. Anna Barker invited Sage to an all day native tree workshop at the University of Minnesota St. Paul campus this summer in advance of this fall planting project. Sage reached out to the Woodbury principal and the two fourth and fifth grade teachers, Alana Hansen and Patricia Diamond who RWMWD originally worked with on the school's large scale rain garden project back in 2017 as well as Lori Maxfield, EMWREP's teaching consultant. In the winter and spring of May 2024 we re-engaged with these two teachers by providing several watershed lessons and involved their classes in planting additional native plants in one of their two large scale rain gardens.

Sage invited these teachers to have their two classes participate this fall in digging the holes for the trees and to make a plan to insure stewardship of them in the future once they are planted. Sage solicited the help of Lori Maxfield in this educational stewardship effort and met with her on site to scope out the potential planting areas. Under advisement of Washington County Master Gardeners Anna Barker and Judy Koster, this team finalized the new trees' locations.

Lori created an online orientation slide show to orient the Woodbury students on tree care and native trees that she sent to the teachers in preparation for their classes digging the holes on September 26 for the new trees that will be planted in their large scale rain garden on September 28 with the help of Sage Passi, two of our Natural Resources interns and Anna Barker. Lori and Anna also helped Sage plan for the hands on lessons when a team of students from each class digs the holes for the 2 new trees. This lesson will help students learn about the swamp oaks currently in the rain garden located close to where the new trees will be planted. Lori will help the students learn how to identify the trees already planted in the rain garden when it was first built as well as the eight new hardy elm trees that were planted in the grove a year ago across the sidewalk from this rain garden.

Sage secured permission from the principal and School District grounds superintendent for the project, coordinated with the gravel bed nursery coordinator to pick up the trees on Saturday September 28 at the Washington County Fairgrounds, made the Gopher One call, scheduled participation with the teachers and their classes and secured the support of two RWMWD natural resources interns who will help her pick up the trees at the Washington County Fair Ground nursery and plant them with Anna B's help on Saturday, September 28. The trees need to be planted right away and there is only a window of a couple hours to pick them up that day from the nursery. Sage, Lori and Anna Barker will be following up with the school to support the continued watering of these trees and work together to create a plan to help students keep these trees cared for and to steward and care for the native elm trees planted in a grove adjacent to the rain garden a year ago that need more TLC and watering.

## **X. Communications and outreach program: Lauren Hazenson**

### **Current Projects**



## Eastside Stewardship Grant Outreach

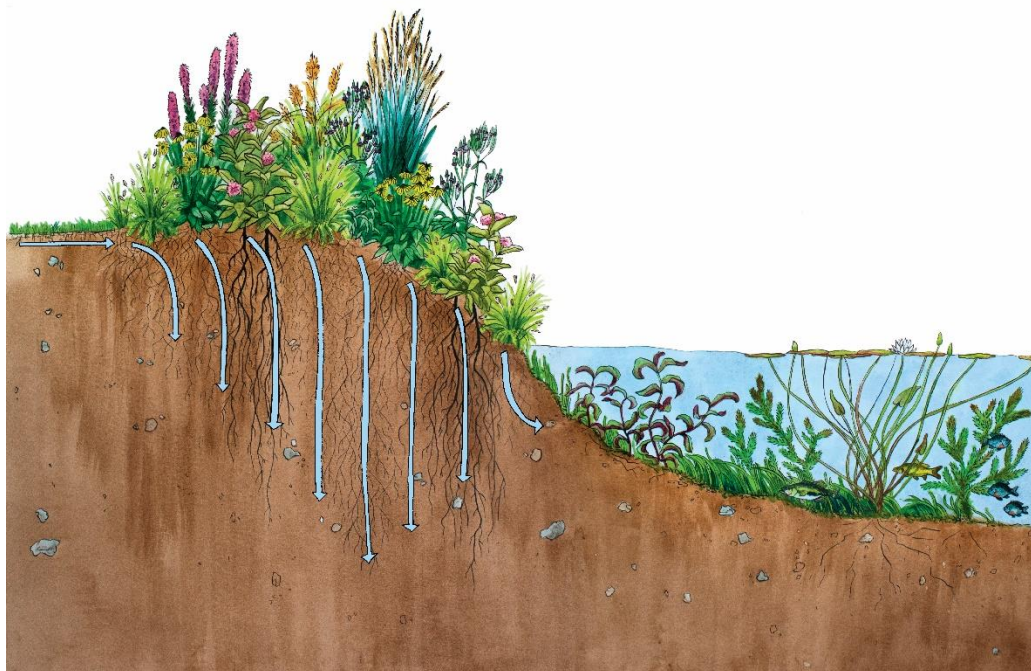
This past month, the Greater Eastside Community Council in St. Paul approached us about collaborating with their Climate Impact Corps member on resident engagement in their community focused on stormwater. We have had preliminary planning meetings about doorknocking and other neighborhood-based engagements promoting the Stewardship Grant Program, as this neighborhood is within one of our equity priority areas. This project is planned for a pilot this fall and a full rollout this spring. Our GreenCorps member, Cooper Klotzbach, will participate in the doorknocking as part of his work plan.

## 2024 Recognition Dinner

Save the date: Thursday, November 21<sup>st</sup> at 6:00 pm  
Keller Golf Course  
Formal invitations will be sent in October.

This month, the event planning team for the recognition dinner convened to confirm the venue, pick the menu, finalize the award selection process, and discuss the video and visual media for the evening. Lauren went to each LEAP award winner's property this month and completed filming for the feature videos. The editing process for the four videos is in progress. We made several changes to the event program this year based on feedback from the post-event survey in 2023. The length of the program will be shortened by 20 minutes to a half hour, and the raffle will be limited to a brief, two-minute announcement.

## Illustration Project Overview



**Project Goal:**

Provide a set of high-quality, scalable illustrations that are visually appealing and reflect the benefits of each best management practice. Additionally, some illustrations will primarily aim to serve as educational tools on our website, at events, and at workshops.

#### **Applications:**

1. **Visually represent occasionally complex BMP systems on signs and online in a way most residents can understand and show them in a way that will encourage the target audience to approach the sign.** Many graphically designed images lose the textures, colors, and sometimes scale of green infrastructure, unintentionally giving them a cold or institutional feel, similar to a textbook illustration. This loses one of the primary appeals of these improvements to the public: the natural, soft, and visually appealing aspect of a rain garden, shoreline restoration, or native plant garden. Pollinators and other wildlife can also be included in the imagery. These illustrations are used at the Stewardship Grant and Targeted Retrofit project sites and eventually on related project pages on the website.
2. **Customizable to the intended audience, context, and message.** The images created for our signs, website, social media posts, and educational materials now look like they would exist within our watershed boundaries. They are also designed to resemble at least one project, like the Pioneer Park stormwater reuse project. The species featured in the images, like that of the Lake Owasso shoreline restoration above, are species native to the area commonly used in our restorations and BMPs. The scale of the drawing allows for captions and other elements to be added later in the design process to help external audiences understand components and watershed concepts.
3. **Specialized education tools.** There are no existing representations of a watershed that look like the Twin Cities and have features similar to our particular ecosystem. An illustration of a watershed-based on feedback from our education and engagement team allows us to educate people of all ages on basic watershed concepts. We are also designing an illustration of a wetland for similar reasons. All images will be used for both educational purposes and to increase the visibility of our work in the community at large.

#### **Delivery:**

Some of the images are already included on installed Stewardship Grant signs, and a new set of designed signs will be installed next spring. Educational images such as the watershed and wetland cross-sections have projected completion dates in November and December.

## **Welcome, Cooper**

Cooper Klotzbach, our new MPCA GreenCorps member, began his term of service at RWMWD on Monday, September 23<sup>rd</sup>. Cooper has worked as a water monitoring technician in Montana and Michigan, and will be continuing his commitment to water resources through his time with our Communications and Engagement team. During his service year, Cooper will focus on developing an engagement volunteer program, supporting efforts to connect with residents in multifamily properties and equity priority areas, assisting with expanding our online communications, planning, and hosting educational webinars on watershed topics, and assisting with our staff in the field when needed.



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## **Social Media (Facebook, YouTube, Instagram, LinkedIn)**

### **Facebook**

Reach: 1,535

Engagement (likes, shares, comments): 93

Followers: 1,731

### **Instagram**

Reach: 881

Engagement: 76

Audience: 944

### **YouTube**

Views: 792

Watch time (hours): 12.8

Subscribers: 345

Viewers: 652

### **LinkedIn**

Reach: 182

Audience: 442

### **Resident Communications/Professional Development/ Public Meetings, Misc.**

- GreenCorps site supervisor training (9/16)
- Media outreach support
- CAC meeting (9/24)

## **Y. Citizen Advisory Committee (CAC): Carrie Magnuson**

The Citizen Advisory Committee met on September 24<sup>th</sup>, 2024 at 6:30 pm at the RWMWD office and Zoom

In attendance were 14 CAC members, and 2 staff members. The following initiatives were discussed and further developed

### **Watershed Excellence Awards & Volunteer Recognition Dinner planning**

As part of a new award selection process, a rotating group of staff reviewed eleven nominations for the 2024 Watershed Excellence Awards and narrowed them down to seven for the CAC to select from. The CAC and staff reviewed these finalists and has made a recommendation for the Board to review and approve. That item is included in the action items portion of the board packet.

The CAC will also develop handouts and/or tabling materials around the topics of chloride pollution, salt smart design, Adopt-a-Drain, or other related outreach to have present at the Recognition Dinner on November 21<sup>st</sup>, 2024.

### **Outreach & Engagement Volunteer Program**

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General volunteer opportunities: CAC will have an opportunity to volunteer at Hanlo's Pond with a buckthorn cutting event on October 24<sup>th</sup> at 4pm, potentially a seed-collecting opportunity yet this fall, and a Keller Shore planting (May), all in conjunction with the RWMWD Natural Resources Team.