RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

October 2025
Board Packet

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Agenda

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RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

Regular Board Meeting Agenda

Wednesday, October 1, 2025

6:30 PM

This month's meeting will be held at the district office (2665 Noel Drive, Little Canada, MN) and via Zoom's video conferencing platform. Board members, staff, consultants, and the general public can join in person OR via video and/or phone. The public can listen to the meeting but not participate, with the exception of the visitor comments portion of the agenda. Instructions for joining 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: All items to be approved with one motion unless removed from the consent agenda for discussion.**
    A. Approval of Regular Meeting Minutes September 3, 2025 *(pg. 7)*
    B. Treasurer's Report and Bill List *(pg. 11)*
    C. Regulatory Program
        i. 25-26 Cowren Elementary Addition, North St. Paul *(pg. 26)*
    D. Stewardship Grant Program
        i. 25-54 CS Parsons *(pg. 30)*
    E. Kohlman Creek Flood Risk Reduction Project – Change Order No. 1 *(pg. 32)*
4. Visitor Comments (limited to 4 minutes each)
5. Regulatory Program
    A. Applications
        i. 25-27 Bulk Silo Terminal, St. Paul *(pg. 40)*
        ii. 25-28 Woodbury Public Safety Building Redevelopment, Woodbury *(pg. 46)*
    B. Regulatory Monthly Memorandum *(pg. 57)*
6. Stewardship Grant Program
    A. Applications – see consent agenda
    B. Budget Status Update *(pg. 61)*
7. Action Items
    A. **Kohlman In-Lake Alum Treatment Project Advertise for Bid *(pg. 63)***
    B. **Watershed Excellence Awards Approval *(pg. 77)***
8. Attorney Report
9. Board Discussion Topics
10. New Reports and/or Presentations
    A. Minnesota's PFAS Blueprint: Where are we now? Fawkes Char, MPCA *(pg. 80)*
    B. New Technology Topics: Chloride Removal from Surface Waters *(pg. 106)*
11. Administrator's Report *(pg. 112)*
    A. Meetings Attended
    B. Upcoming Meetings and Dates
    C. Staff Anniversaries
    D. Board Action Log

(651) 792-7950
fax (651) 792-7951
office@rwmwd.org
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2665 Noel Drive
Little Canada, MN 55117

E. Minnesota Watersheds Updates

12. Project and Program Status Reports *(pg. 116)*

Project Feasibility Study

A. Manufactured Homes Resilience Evaluation
B. Evaluation of Compliance with the South Metro Mississippi TSS TMDL
C. Street Sweeping
D. Interim Emergency Response Plans
E. Flood Risk Reduction Feasibility Study: Roseville Central Park
F. Stormwater Model Updates
G. Studies Stemming from Creek Walks
H. Wetland Restoration Planning

Watershed Management Plan Update

I. Watershed Management Plan Update: Phase 1- Stakeholder Engagement
J. Watershed Management Plan Update, Phase-2 Complex Pre-Work

Lake Studies and TMDL Reports

K. 2025 Grant Applications

Research Projects

L. New-Technology Mini Case Studies
M. Wakefield Lake Aeration Feasibility Study

Project Operations

N. Lake-level Station Operation and Maintenance and Rain Gauge Installation
O. Lake-level Station Forecast Integration

Capital Improvements

P. Roosevelt Homes
Q. Targeted Retrofit Projects 2025
R. Fish Creek Tributary Improvements
S. Cottage Place Wetland Regeneration
T. Kohlman Creek Improvements
U. Lake Wabasso Outlet Replacement
V. Kohlman Lake Alum Treatment

CIP Project Repair and Maintenance

W. Routine CIP Inspection and Unplanned Maintenance Identification
X. RWMWD Office Parking-Lot Retrofit

Program Updates

Y. Natural Resources Program
Z. Communications and Outreach Program
AA. Citizen Advisory Committee

13. Manager Comments and Next Month's Meeting
14. **Adjourn**

RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

NOTICE OF REGULAR BOARD MEETING
Wednesday, October 1, 2025
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 the meeting but not participate with the exception of the visitor comments portion of the agenda. Visitor comments 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/84879929521

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 **848 7992 9521**. The meeting password is **660586**. If you have any questions, please contact Tina Carstens at 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 3, 2025

The Regular Meeting of September 3, 2025, 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/Hv_EosyolsE. Video time stamps are included after each agenda item in minutes.

PRESENT:
Val Eisele, President
Ben Karp, Vice President
Mark Gernes, Secretary
Stephanie Wang, Treasurer
Gabi Grogan, Manager

ABSENT:

ALSO PRESENT:

Staff:
Tina Carstens, Administrator
Paige Ahlborg, Assistant Administrator
Mary Fitzgerald, Regulatory Specialist
Ashlee Ricci, Grant Program Specialist
Patrick Williamson, Natural Resources Specialist
Lyndsey Flatten, Monitoring Technician
Kendra Kloth, Regulatory Technician

Consultants:
Laurann Kirschner, Attorney for District
Erin Anderson Wenz, Barr Engineering

Visitors:
Adam Solo, Foth
Andrea Johnson , Foth
Kristin Ostebee, Visitor

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

2. APPROVAL OF AGENDA (0:16)

Motion: Manager Wang moved, Manager Grogan seconded, to approve the agenda.

Motion carried unanimously.

3. CONSENT AGENDA (0:32)
A. Approval of Regular Meeting Minutes from August 6, 2025
B. Treasurer's Report and Bill List
C. Stewardship Grant Program
   i. 25-38 CS Dunbar
   ii. 25-43 CS Harper
   iii. 25-44 CS Maplewood Police Department
   iv. 25-48 CS Shoreview Community Center Pond
   v. 25-49 CS Gustafson
D. Cochran Recovery Services Target Retrofit – Change Order No. 1

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

Motion carried unanimously.

4. VISITOR COMMENTS (2:25)

No Comments.

5. REGULATORY PROGRAM (3:14)

A. Applications

i. 25-25 MCES Grass Lake Interceptor, Shoreview

Mary Fitzgerald provided details of permit 25-25 MCES Grass Lake Interceptor, Shoreview. Mary noted that the project was exempt from rule C. Mary explained this was due to the removal of all hard surfaces and existing bituminous trail and replacement with a pervious trail. Mary stated that there was also a variance request for rule E due to temporary wetland buffer disturbance with restoration occurring after the project's completion. Mary noted that rule D was also triggered for compensatory storage. Mary noted there would be more cut than fill for this project.

Motion: Manger Wang moved, Manager Gernes seconded to approve permit application 25-25 MCES Grass Lake Interceptor, Shoreview.

Motion carried unanimously.

B. Regulatory Monthly Memorandum

Mary Fitzgerald provided an overview of the monthly regulatory memorandum. Mary reviewed violations, meetings and project updates that occurred in the month of August.

6. STEWARDSHIP GRANT PROGRAM (12:26)

A. Applications – see consent agenda

B. Budget Status Update

Ashlee Ricci provided an update of the Stewardship Grant program and budget status. Ashlee stated that it did look like the budget would be maxed out for 2025. Ashlee provided details on what maxing out the budget means for the program and how applications are handled once this occurs. Ashlee noted that there is a proposal to increase the budget by $250,000 in 2026 to help add additional objectives and goals within the program. Ashlee provided more details on the budget and planning for 2026.

7. ACTION ITEMS

A. 2026 Preliminary Budget and Levy Public Hearing (19:23)

Tina Carstens provided an overview of the 2026 preliminary budget and levy. Tina provided details of the budget and levy approval process. Tina noted that after discussions at the August meeting she was able to revise the proposed budget. Tina explained that this would bring the 2026 levy to $0. Tina discussed the 2026 preliminary budget table, 2026 budget program line-item breakouts and 2026 budget line-by-line narrative.

i. Kohlman Lake Alum Treatment Recommendations

No comments.

ii. Wakefield Lake Aeration Feasibility Study Update

No comments.

iii. Flood Risk Reduction Future Project Planning

No comments.

iv. 2026 Preliminary Budget Table

No comments.

v. 2026 Budget Program Line-Item Breakouts

No comments.

vi. 2026 Budget Line-by-Line Narrative

President Eisele called the 2026 preliminary budget public hearing to order.

No comments.

President Eisele closed the 2026 preliminary budget public hearing.

The Board expressed that they were happy with the $0 levy increase.

vii. Approval of 2026 Preliminary Levy Certification to Ramsey and Washington Counties – Resolution 25-01

Motion: Manager Karp moved, Manager Grogan seconded to approve the draft budget for the purpose of preliminary levy and approve resolution 25-01.

Motion carried unanimously.

8. ATTORNEY REPORT (49:09)

Laurann Kirschner provided an update on the work the attorney's office completed throughout the month of August. Laurann stated that the work included the Pioneer Press notice of public hearing for the 2026 preliminary levy approval, contract review and other usual tasks.

9. BOARD DISCUSION TOPICS (49:54)

Manger Karp and Manager Gernes provided details of the Minnesota Watersheds resolution meeting that was held on August 25th,2025.

10. NEW REPORTS AND/OR PRESENTATIONS (53:53)

A. Wetland Restoration Planning Project Work Plan

No comments.

11. ADMINISTRATOR'S REPORT (1:02:53)

A. Meetings Attended

No comments.

B. Upcoming Meetings and Dates

No comments.

C. Staff Anniversaries

No comments.

D. Board Action Log

No comments.

E. Minnesota Watersheds Updates

No comments.

12. PROJECT AND PROGRAM STATUS REPORTS (1:08:58)

Project Feasibility Studies

A. Manufactured Homes Resilience Evaluation
B. Interim Emergency Response Plans
C. Flood Risk Reduction Feasibility Study: Roseville Central Park
D. Stormwater Model Updates
E. Wetland Restoration Planning

Watershed Management Plan Update

F. Watershed Management Plan Update: Phase 1 – Stakeholder Engagement
G. Watershed Management Plan Update: Phase 2 – Complex Pre-Work

Research Projects

H. Wakefield Lake Aeration Feasibility Study

Project Operations

I. Lake-Level Station Operation and Maintenance and Raing Gauge Installation
J. Lake-Level Station Forecast Integration

Capital Improvements

K. Roosevelt Homes
L. Targeted Retrofit Projects 2025
M. Fish Creek Tributary Improvements
N. Cottage Place Wetland Regeneration
O. Kohlman Creek Improvements
P. Lake Wabasso Outlet Replacement
Q. Kohlman Lake Alum Treatment

CIP Project Repair and Maintenance

R. Routine CIP Inspection and Unplanned Maintenance Identification
S. CIP Maintenance and Repairs
T. RWMWD Office Parking-Lot Retrofit
U. Beltline Long-Term Fix Near River Outfall
V. Beltline and Battle Creek Storm Sewer Five-Year Inspection

Program Updates

W. Natural Resources Program
X. Communications and Outreach Program

13. MANAGER COMMENTS AND NEXT MONTH'S MEETING (1:21:38)

No comments.

14. ADJOURN

Motion: Manager moved, Manager seconded, to adjourn the meeting at 7:55 p.m.

Motion carried unanimously.

RWMWD BUDGET STATUS REPORT
Administrative & Program Budget
Fiscal Year 2025
9/30/2025

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	-	-	1,800.00	$7,000.00	25.71%
	Manager Expenses	4360	3,000.00	-	-	-	3,000.00	0.00%
Committees	Committee/Bd Mtg. Exp.	4365	4,000.00	-	43.45	955.98	3,044.02	23.90%
	Sub-Total: Managers/Committees:		**$14,000.00**	**$0.00**	**43.45**	**2,755.98**	**$13,044.02**	**19.69%**
Employees	Staff Salary/Taxes/Benefits	4010	2,100,000.00	-	151,677.64	1,462,930.21	637,069.79	69.66%
	Employee Expenses	4020	10,000.00	-	116.58	2,423.88	7,576.12	24.24%
	District Training & Education	4350	75,000.00	-	1,744.64	33,192.41	41,807.59	44.26%
	Sub-Total: Employees:		**$2,185,000.00**	**$0.00**	**153,538.86**	**1,498,546.50**	**$686,453.50**	**68.58%**
Administration/ Office	Data Base/GIS Maintenance	4170	20,000.00	-	836.36	7,627.99	12,372.01	38.14%
	Telephone	4310	2,000.00	-	232.38	2,091.42	(91.42)	104.57%
	Office Supplies	4320	7,000.00	-	494.23	4,024.62	2,975.38	57.49%
	Postage/Delivery	4330	2,000.00	-	847.30	2,678.38	(678.38)	133.92%
	Printing/Copying	4335	5,000.00	-	-	3,548.88	1,451.12	70.98%
	Dues & Publications	4338	20,000.00	-	-	15,803.00	4,197.00	79.02%
	Janitorial/Trash Service	4341	30,000.00	-	-	12,712.22	17,287.78	42.37%
	Utilities	4342	20,000.00	-	1,567.52	6,301.49	13,698.51	31.51%
	Building Maintenance	4343	80,000.00	-	4,378.66	39,729.61	40,270.39	49.66%
	Miscellaneous	4390	5,000.00	-	-	-	5,000.00	0.00%
	Insurance	4480	70,000.00	-	-	63,465.67	6,534.33	90.67%
	Office Equipment	4703	50,000.00	-	-	8,474.53	41,525.47	16.95%
	District Vehicles/Maintenance	4810-40	60,000.00	-	668.88	102,176.49	(42,176.49)	170.29%
	Metro INET	4325	110,000.00	-	9,130.55	80,760.78	29,239.22	73.42%
	Sub-Total: Administration/Office:		**$481,000.00**	**-**	**18,155.88**	**349,395.08**	**$131,604.92**	**72.64%**
Consultants/ Outside Services	Auditor/Accounting	4110	80,000.00	-	3,237.84	69,890.11	10,109.89	87.36%
	Engineering-Administration	4121	122,000.00	-	5,121.50	79,871.90	42,128.10	65.47%
	Engineering-Permit I&E	4122	10,000.00	-	362.50	8,312.40	1,687.60	83.12%
	Engineering-Review	4123	80,000.00	-	3,598.50	50,797.00	29,203.00	63.50%
	Engineering-Permit Application Review	4124	70,000.00	-	4,830.00	51,518.00	18,482.00	73.60%
	Project Feasibility Studies	4129	400,000.00	-	16,050.00	81,376.44	318,623.56	20.34%
	Attorney-Permits	4130	5,000.00	-	-	-	5,000.00	0.00%
	Attorney-General	4131	40,000.00	-	825.00	18,140.40	21,859.60	45.35%
	Outside Consulting Services	4160	40,000.00	-	-	-	40,000.00	0.00%
	Sub-Total: Consultants/Outside Services:		**$847,000.00**	**$0.00**	**34,025.34**	**359,906.25**	**$487,093.75**	**42.49%**
Programs	WMP/Lakes/TMDLs/Grants	4661	378,500.00	-	10,189.54	57,607.64	320,892.36	15.22%
	Natural Resources Program	4670	161,000.00	-	4,621.66	61,625.50	99,374.50	38.28%
	Water Monitoring Program	4520-30	513,000.00	-	24,599.71	181,361.20	331,638.80	35.35%
	Outside Program Support	4683	42,000.00	-	-	29,287.50	12,712.50	69.73%
	Research Projects	4695	125,000.00	-	2,857.50	70,918.50	54,081.50	56.73%
	Project Operations	4650	150,000.00	-	9,332.72	134,990.00	15,010.00	89.99%
	Communication/Outreach/Events	4371	166,000.00	-	6,189.73	92,255.63	73,744.37	55.58%
	Health and Safety Program	4697	7,000.00	-	93.50	3,668.85	3,331.15	52.41%
	Sub-Total: Programs:		**$1,542,500.00**	**$0.00**	**57,884.36**	**631,714.82**	**$910,785.18**	**40.95%**
GENERAL FUND TOTAL			**$5,069,500.00**	**$0.00**	**263,647.89**	**2,842,318.63**	**2,228,981.37**	56.07%
CIP's	Project Repair & Maintenance	516	2,180,000.00	-	61,400.74	2,387,916.32	(207,916.32)	109.54%
	Targeted Retrofit Projects	518	1,185,000.00	-	38,893.90	321,494.73	863,505.27	27.13%
	Flood Risk Reduction Fund	520	1,255,000.00	-	122,592.98	556,835.25	698,164.75	44.37%
	Debt Services-Beltline/Maplewood Mall	526	410,459.00		-	0.00	410,459.00	0.00%
	Stewardship Grant Fund	529	1,250,000.00	-	32,318.19	278,200.49	971,799.51	22.26%
	Fish Creek Tributary Improvements	537	1,400,000.00	-	1,112.00	14,911.00	1,385,089.00	1.07%
	Wetland Restoration Projects	540	350,000.00	-	98,939.75	223,835.21	126,164.79	63.95%
CIP BUDGET TOTAL			**$8,030,459.00**	**-**	**355,257.56**	**3,783,193.00**	**$4,247,266.00**	47.11%
TOTAL BUDGET			**$13,099,959.00**	**$0.00**	**618,905.45**	**6,625,511.63**	**$6,474,447.37**	**50.58%**
					$263,647.89	**$2,842,318.63**		

Current Fund Balances:

Fund:	Unaudited Beginning Fund Balance @ 12/31/24	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Unaudited Fund Balance @9/30/25
101 - General Fund	$2,404,392.68	-	1,858,435.81	263,647.89	2,842,318.63	1,420,509.86
516 - Project Repair & Maintenance	1,067,070.34	-	1,411,002.57	61,400.74	2,387,916.32	90,156.59
518 - Targeted Retrofit Projects	207,282.11	-	162,783.63	38,893.90	321,494.73	48,571.01
520 - Flood Risk Reduction Fund	5,121,388.23	-	674,351.29	122,592.98	556,835.25	5,238,904.27
526 - Debt Services-Beltline/Maplewood Mall	295,132.28	-	211,684.88	-	393,450.10	113,367.06
529 - Stewardship Grant Fund	(89,787.37)	-	684,659.01	32,318.19	278,200.49	316,671.15
536 - Stormwater Impact Fund	528,386.61	-	316,250.00	-	35,942.65	808,693.96
537 - Fish Creek Tributary Improvements	492,497.85	-	357,482.79	1,112.00	14,911.00	835,069.64
540 - Wetland Restoration Projects	535,264.57	-	-	98,939.75	223,835.21	311,429.36
580 - Contingency Fund	1,215,487.00	-	-	-	-	1,215,487.00
Total District Fund Balance	**$11,777,114.30**	**$0.00**	**$ 5,676,649.98**	**$ 618,905.45**	**$7,054,904.38**	**$10,398,859.90**

Ramsey Washington Metro Watershed Dist.

Check Register

For the Period From September 1, 2025 to September 30, 2025

Date	Check #	Payee ID	Payee	Invoice #	Description		Amount
09/02/25	EFT	hea002	HealthPartners	Oct-25	Employee Benefits		14,020.25
09/01/25	EFT	met008	MetLife-Group Benefits	Sep-25	Employee Benefits		1,918.18
09/15/25	EFT	usb002	U.S. Bank	September 2025 Statement	Various		4,537.47
09/15/25	EFT	tmo001	T-Mobile	Sep-25	Employee Benefits		768.88
09/15/25	EFT	mnd004	MN DNR Fisheries	AERP3275	Natural Resources Program		250.00
09/15/25	EFT	mnd004	MN DNR Fisheries	2022-2881	Natural Resources Program		250.00
09/10/25	75680	aws001	AWS Service Center	S1335957-090125	Utilities/Building Services Contracts		368.02
09/10/25	75681	crn001	Sam Crnobrna	50th Anniversary-music	Communications/Outreach/Events		250.00
09/10/25	75682	dav003	Davey Resource Group, Inc.	9000130777	Construction Improvements/Project Maint. & Repair		1,300.00
09/10/25	75683	hom001	Home Depot Credit Services	8/28/25	Water Monitoring Program		225.45
09/10/25	75684	lio003	Lions Share Maintenance	18070	Building/Site Maintenance		714.00
09/10/25	75685	met012	Metro-INET	2962	Telephone		8,735.00
09/10/25	75686	nat008	Natural Shore Technologies, Inc.	Sep-25	Natural Resources Program		1,605.70
09/10/25	75687	ncp001	NCPERS Group Life Ins.	9/1/2025	Employee Benefits		16.00
09/10/25	75688	nel008	Kristenza Nelson	50th Anniversary-art activity	Communications/Outreach/Events		350.00
09/10/25	75689	nsp001	Xcel Energy	942847094	Water Monitoring Program		1,693.65
09/10/25	75690	pit001	Pitney Bowes Global Financial Serv LLC	3107368098	Postage/Delivery		348.11
09/10/25	75691	pre003	Premium Waters, Inc.	311010335	Utilities/Building Services Contracts		37.00
09/10/25	75692	pro003	PromoAdvantage Mktg Group	209296	Communications/Outreach/Events		196.56
09/10/25	75693	rmb001	RMB Environmental Laboratories	Sep-25	Water Monitoring Program		22,998.59
09/10/25	75694	roc001	Rock Leaf Water Environmental LLC	3551; 3585	Construction Improvements/Project Maint. & Repair		7,244.50
09/10/25	75695	sha002	Quaiser Shahan	1016-50th Anniversary	Communications/Outreach/Events		370.00
09/10/25	75696	tri002	Tri-State Bobcat	A53260; A47946 (CR)	Natural Resources Program		1,140.82
09/10/25	75697	uli001	Uline	196739118	Natural Resources Program		115.23
09/10/25	75698	usb005	US Bank Equipment Finance	563461300	Postage/Delivery		499.19
09/10/25	75699	zan001	Zan Associates	25MN00.00901-3	WMP/Lakes/TMDLs/Grants		5,044.04
09/23/25	75700	app003	Applewood Pointe Cooperative Shoreview	25-09 CS	Stewardship Grant Program		1,150.00
09/23/25	75701	bal003	BalloonPlus Events LLC	71	Communications/Outreach/Events		500.00
09/23/25	75702	bar001	Barr Engineering	August 16 to Sept 12, 2025	Various		103,190.48
09/23/25	75703	bar013	Pye Barker	INV00341166	Building/Site Maintenance		686.00
09/23/25	75704	bds001	BD Sammies	000010	Communications/Outreach/Events		1,852.00
09/23/25	75705	bws001	MN Board of Water & Soil Resources	2025 BWSR Academy	Training & Education		255.00
09/23/25	75706	cad001	Zayo Group, LLC	21833932	Water Monitoring Program		257.64
09/23/25	75707	cas002	Tara Cassidy	25-26 CS	Stewardship Grant Program		5,291.25
09/23/25	75708	chi002	Linda Chimzar	25-28 CS	Stewardship Grant Program		376.25
09/23/25	75709	dav003	Davey Resource Group, Inc.	9000129821	Construction Improvements/Project Maint & Repair		18,197.94
09/23/25	75710	dim001	Dimke Excavating, Inc.	Progress Payment #3	Construction/Improvements-Wetland Restoration Projects		98,939.75
09/23/25	75711	edm001	Randee Edmundson	24-12 CS	Stewardship Grant Program		346.56
09/23/25	75712	fit002	Mary Fitzgerald	Sep-25; 021	Employee Benefits		696.15
09/23/25	75713	fit003	Emily F. Kamin	109	Utilities/Building Services Contracts		525.00
09/23/25	75714	gal001	Galowitz Olson, PLLC	September 18, 2025	Attorney-General		825.00
09/23/25	75715	goe002	Goers Land Surveying	25-034-01	Construction Improvements/Targeted Retrofit Projects		5,400.00
09/23/25	75716	hej001	Hejny Rental	391317	Communications/Outreach/Events		1,102.15
09/23/25	75717	int001	Office of MN IT Services	W25080567	Telephone		59.38
09/23/25	75718	lar003	Pam and Brian Larson	25-25 CS	Stewardship Grant Program		8,348.63
09/23/25	75719	mel001	Michelle L. Melser	September 2025	Employee Expenses		45.31
09/23/25	75720	met012	Metro-INET	2991	Roseville IT Services/Web Site/Software/Licenses		487.00
09/23/25	75721	min008	MNL	Jan-52	Construction Improvements/Project Maint & Repair		21,099.00
09/23/25	75722	par008	Cory and Sue Parnell	25-19 CS	Stewardship Grant Program		15,000.00
09/23/25	75723	qwe001	CenturyLink	Sep 10, 2025	Project Operations		282.01
09/23/25	75724	red002	Redpath & Company	150500702	Accounting		3,040.00
09/23/25	75725	sel001	Tim Melser	1531	Building/Site Maintenance		1,229.40
09/23/25	75726	sho004	Shoreline Landscaping	Pay Application #4-FINAL	Construction-Flood Damage Reduction Fund		116,090.57
09/23/25	75727	stu001	Studio Lola	2020111	Communications/Outreach/Events		1,063.13
09/23/25	75728	tec001	Tech Sales Co.	329192	Water Monitoring Program		614.00
09/23/25	75729	til002	Joseph S. Tillotson	Sep-25	Employee Expenses		8.40
09/23/25	75730	was002	Washington Conservation District	7142	Stewardship Grant Program		1,753.00
09/23/25	75731	wil007	Patrick D. Williamson	Aug-25	Employee Expenses		92.18
	Total						**$483,799.82**
09/12/25	EFT	myp001	September 12th Payroll	09/12/25		4110-101-000	98.95
09/26/25	EFT	myp001	September 26th Payroll	09/26/25		4110-101-000	98.95
09/12/25	Dir.Dep.	---	September 12th Payroll	Payroll Expense-Net		4010-101-000	39,584.85
09/12/25	EFT	int002	September 12th Federal Withholding	Internal Rev.Serv.		2001-101-000	14,207.12
09/12/25	EFT	mnd001	September 12th State Withholding	MN Revenue		2003-101-000	2,469.47
09/12/25	EFT	per001	September 12th PERA	PERA		2011-101-000	7,573.22
09/12/25	EFT	emp002	Employee Def. Comp. Contributions	Empower Retirement		2016-101-000	1,943.00
09/12/25	EFT	emp002	Employee IRA Contributions	Empower Retirement		2018-101-000	2,414.00
09/26/25	Dir.Dep.	---	September 26th Payroll	Payroll Expense-Net		4010-101-000	39,584.85
09/26/25	EFT	int002	September 26th Federal Withholding	Internal Rev.Serv.		2001-101-000	14,207.12
09/26/25	EFT	mnd001	September 26th State Withholding	MN Revenue		2003-101-000	2,469.47
09/26/25	EFT	per001	September 26th PERA	PERA		2011-101-000	7,573.22
09/26/25	EFT	emp002	Employee Def. Comp. Contributions	Empower Retirement		2016-101-000	1,943.00
09/26/25	EFT	emp002	Employee IRA Contributions	Empower Retirement		2018-101-000	2,414.00
					Payroll/Benefits:		**$136,581.22**
	Total				**Accounts Payable/Payroll/Benefits:**		**$620,381.04**

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From September 1, 2025 to September 30, 2025

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
09/02/25	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits	14,020.25	
09/01/25	EFT	met008	MetLife-Group Benefits	4040-101-000	Employee Benefits	1,918.18	
09/15/25	EFT	usb002	U.S. Bank			4,537.47	
				4320-101-000	Office Supplies		44.04
				4320-101-000	Office Supplies		26.37
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses		81.55
				4320-101-000	Office Supplies		23.07
				4670-101-000	Natural Resources Program		130.00
				4320-101-000	Office Supplies		59.60
				4697-101-000	Health & Safety Program		18.00
				4371-101-000	Communications/Outreach/Events		9.89
				4371-101-000	Communications/Outreach/Events		28.60
				4170-101-000	Data Base/GIS Maintenance		168.00
				4371-101-000	Communications/Outreach/Events		80.50
				4820-101-000	Vehicle Maintenance		238.43
				4371-101-000	Communications/Outreach/Events		12.50
				4650-101-000	Project Operations		79.99
				4343-101-000	Building & Site Maintenance		299.70
				4840-101-000	Vehicle Misc. Expense		199.98
				4320-101-000	Office Supplies		17.98
				4840-101-000	Vehicle Misc. Expense		221.76
				4350-101-000	Training and Education		500.00
				4343-101-000	Building & Site Maintenance		78.37
				4320-101-000	Office Supplies		16.98
				4650-101-000	Project Operations		432.44
				4350-101-000	Training and Education		500.00
				4697-101-000	Health & Safety Program		31.27
				4371-101-000	Communications/Outreach/Events		20.66
				4697-101-000	Health & Safety Program		44.23
				4371-101-000	Communications/Outreach/Events		87.99
				4371-101-000	Communications/Outreach/Events		52.75
				4320-101-000	Office Supplies		6.37
				4371-101-000	Communications/Outreach/Events		60.00
				4371-101-000	Communications/Outreach/Events		45.00
				4350-101-000	Training and Education		29.64
				4343-101-000	Building & Site Maintenance		9.89
				4371-101-000	Communications/Outreach/Events		99.00
				4320-101-000	Office Supplies		46.11
				4350-101-000	Training and Education		230.00
				4350-101-000	Training and Education		230.00
				4350-101-000	Training and Education		230.00
				4365-101-000	Committee/Board Meeting Expenses		43.45
				4170-101-000	Data Base/GIS Maintenance		3.36
09/15/25	EFT	tmo001	T-Mobile	4040-101-000	Employee Benefits	768.88	
09/15/25	EFT	mnd004	MN DNR Fisheries	4670-101-000	Natural Resources Program	250.00	
09/15/25	EFT	mnd004	MN DNR Fisheries	4670-101-000	Natural Resources Program	250.00	

Ramsey Washington Metro Watershed Dist.

Cash Disbursements Journal

For the Period From September 1, 2025 to September 30, 2025

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
09/10/25	75680	aws001	AWS Service Center	4342-101-000	Utilities/Building Services Contracts	368.02	
09/10/25	75681	crn001	Sam Crnobrna	4371-101-000	Communications/Outreach/Events	250.00	
09/10/25	75682	dav003	Davey Resource Group, Inc.	4630-516-000	Construction Improvements/Project Maint. & Repair	1,300.00	
09/10/25	75683	hom001	Home Depot Credit Services			225.45	
				4530-101-000	Water Monitoring Program		26.54
				4670-101-000	Natural Resources Program		198.91
09/10/25	75684	lio003	Lions Share Maintenance	4343-101-000	Building/Site Maintenance	714.00	
09/10/25	75685	met012	Metro-INET			8,735.00	
				4310-101-000	Telephone		173.00
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses		8,562.00
09/10/25	75686	nat008	Natural Shore Technologies, Inc.	4670-101-000	Natural Resources Program	1,605.70	
09/10/25	75687	ncp001	NCPERS Group Life Ins.	4040-101-000	Employee Benefits	16.00	
09/10/25	75688	nel008	Kristenza Nelson	4371-101-000	Communications/Outreach/Events	350.00	
09/10/25	75689	nsp001	Xcel Energy			1,693.65	
				4530-101-000	Water Monitoring Program		131.44
				4343-101-000	Building/Site Maintenance		1,361.30
				4650-520-000	Project Operations/Flood Damage Reduction Fund		200.91
09/10/25	75690	pit001	Pitney Bowes Global Financial Serv LLC	4330-101-000	Postage/Delivery	348.11	
09/10/25	75691	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Building Services Contracts	37.00	
09/10/25	75692	pro003	PromoAdvantage Mktg Group	4371-101-000	Communications/Outreach/Events	196.56	
09/10/25	75693	rmb001	RMB Environmental Laboratories	4530-101-000	Water Monitoring Program	22,998.59	
09/10/25	75694	roc001	Rock Leaf Water Environmental LLC	4630-516-000	Construction Improvements/Project Maint. & Repair	7,244.50	
09/10/25	75695	sha002	Quaiser Shahan	4371-101-000	Communications/Outreach/Events	370.00	
09/10/25	75696	tri002	Tri-State Bobcat	4670-101-000	Natural Resources Program	1,140.82	
09/10/25	75697	uli001	Uline	4670-101-000	Natural Resources Program	115.23	
09/10/25	75698	usb005	US Bank Equipment Finance	4330-101-000	Postage/Delivery	499.19	
09/10/25	75699	zan001	Zan Associates	4661-101-000	WMP/Lakes/TMDLs/Grants	5,044.04	
09/23/25	75700	app003	Applewood Pointe Cooperative Shoreview	4682-529-000	Stewardship Grant Program	1,150.00	
09/23/25	75701	bal003	BalloonPlus Events LLC	4371-101-000	Communications/Outreach/Events	500.00	
09/23/25	75702	bar001	Barr Engineering			103,190.48	
				4121-101-000	Engineering Admin		5,121.50
				4121-101-000	Engineering Admin		0.00
				4123-101-000	Engineering Review		3,598.50
				4129-101-000	Project Feasability		1759.50
				4129-101-000	Project Feasability		1,806.50
				4129-101-000	Project Feasability		245.00
				4129-101-000	Project Feasability		2,322.50
				4129-101-000	Project Feasability		3,289.00
				4129-101-000	Project Feasability		4,046.50
				4129-101-000	Project Feasability		376.50
				4129-101-000	Project Feasability		2,204.50
				4170-101-000	GIS System Maintenance & Equipment		665.00
				4520-101-000	WQM-Engineering		33.00
				4520-101-000	WQM-Engineering		538.50
				4122-101-000	Engineering Permit I&E		362.50
				4124-101-000	Eng. Permit Review		4,830.00

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From September 1, 2025 to September 30, 2025

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
				4661-101-000	SLMP/TMDL Studies		652.00
				4661-101-000	SLMP/TMDL Studies		4,269.50
				4661-101-000	SLMP/TMDL Studies		224.00
				4695-101-000	Research Projects		1,015.50
				4695-101-000	Research Projects		1,842.00
				4650-101-000	Project Operations		632.50
				4650-101-000	Project Operations		1,183.00
				4650-101-000	Project Operations		4,660.78
				4650-101-000	Project Operations		2,062.00
				4128-518-000	Engineering -Targeted Retrofit		1,501.00
				4128-518-000	Engineering -Targeted Retrofit		6,042.90
				4682-529-000	Stewardship Grant Program		52.50
				4129-537-000	Driveway Fishcreek Tributary		1,112.00
				4128-518-000	Engineering -Targeted Retrofit		2,582.00
				4128-520-000	Engineering -Flood Damage		4,005.00
				4128-520-000	Engineering -Flood Damage		2,296.50
				4128-518-000	Engineering -Targeted Retrofit		2,752.50
				4128-518-000	Engineering -Targeted Retrofit		732.50
				4128-516-000	Eng. Projects-Maint & Repair		29,702.80
				4128-516-000	Eng. Projects-Maint & Repair		3,690.50
				4128-516-000	Eng. Projects-Maint & Repair		323.00
				4128-516-000	Eng. Projects-Maint & Repair		657.00
09/23/25	75703	bar013	Pye Barker	4343-101-000	Building/Site Maintenance	686.00	
09/23/25	75704	bds001	BD Sammies	4371-101-000	Communications/Outreach/Events	1,852.00	
09/23/25	75705	bws001	MN Board of Water & Soil Resources	4350-101-000	Training & Education	255.00	
09/23/25	75706	cad001	Zayo Group, LLC	4530-101-000	Water Monitoring Program	257.64	
09/23/25	75707	cas002	Tara Cassidy	4682-529-000	Stewardship Grant Program	5,291.25	
09/23/25	75708	chi002	Linda Chimzar	4682-529-000	Stewardship Grant Program	376.25	
09/23/25	75709	dav003	Davey Resource Group, Inc.	4630-516-000	Construction Improvements/Project Maint & Repair	18,197.94	
09/23/25	75710	dim001	Dimke Excavating, Inc.	4630-540-000	Construction/Improvements-Wetland Restoration Projects	98,939.75	
09/23/25	75711	edm001	Randee Edmundson	4682-529-000	Stewardship Grant Program	346.56	
09/23/25	75712	fit002	Mary Fitzgerald			696.15	
				4040-101-000	Employee Benefits		46.54
				4020-101-000	Employee Expenses		12.11
				4342-101-000	Utilities/Building Services Contracts		637.50
09/23/25	75713	fit003	Emily F. Kamin	4342-101-000	Utilities/Building Services Contracts	525.00	
09/23/25	75714	gal001	Galowitz Olson, PLLC	4131-101-000	Attorney-General	825.00	
09/23/25	75715	goe002	Goers Land Surveying	4630-518-000	Construction Improvements/Targeted Retrofit Projects	5,400.00	
09/23/25	75716	hej001	Hejny Rental	4371-101-000	Communications/Outreach/Events	1,102.15	
09/23/25	75717	int001	Office of MN IT Services	4310-101-000	Telephone	59.38	
09/23/25	75718	lar003	Pam and Brian Larson	4682-529-000	Stewardship Grant Program	8,348.63	
09/23/25	75719	mel001	Michelle L. Melser			45.31	
				4320-101-000	Office Supplies		3.84
				4020-101-000	Employee Expenses		41.47
09/23/25	75720	met012	Metro-INET	4325-101-000	Roseville IT Services/Web Site/Software/Licenses	487.00	

Ramsey Washington Metro Watershed Dist.

Cash Disbursements Journal

For the Period From September 1, 2025 to September 30, 2025

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
09/23/25	75721	min008	MNL			21,099.00	
				4630-516-000	Construction Improvements/Project Maint & Repair		285.00
				4630-518-000	Construction Improvements/Targeted Retrofit Projects		19,883.00
				4670-101-000	Natural Resources Program		931.00
09/23/25	75722	par008	Cory and Sue Parnell	4682-529-000	Stewardship Grant Program	15,000.00	
09/23/25	75723	qwe001	CenturyLink	4650-101-000	Project Operations	282.01	
09/23/25	75724	red002	Redpath & Company	4110-101-000	Accounting	3,040.00	
09/23/25	75725	sel001	Tim Melser	4343-101-000	Building/Site Maintenance	1,229.40	
09/23/25	75726	sho004	Shoreline Landscaping	4630-520-000	Construction-Flood Damage Reduction Fund	116,090.57	
09/23/25	75727	stu001	Studio Lola	4371-101-000	Communications/Outreach/Events	1,063.13	
09/23/25	75728	tec001	Tech Sales Co.	4530-101-000	Water Monitoring Program	614.00	
09/23/25	75729	til002	Joseph S. Tillotson	4020-101-000	Employee Expenses	8.40	
09/23/25	75730	was002	Washington Conservation District	4682-529-000	Stewardship Grant Program	1,753.00	
09/23/25	75731	wil007	Patrick D. Williamson			92.18	
				4020-101-000	Employee Expenses		54.60
				4320-101-000	Office Supplies		19.87
				4840-101-000	Vehicle Miscellaneous Expense		8.71
				4371-101-000	Communications/Outreach/Events		9.00
	Total					**483,799.82**	
09/12/25	EFT	myp001	September 12th Payroll	4110-101-000	September 12th Payroll	98.95	
09/26/25	EFT	myp001	September 26th Payroll	4110-101-000	September 26th Payroll	98.95	
09/12/25	Dir.Dep.	---	September 12th Payroll	4010-101-000	September 12th Payroll	39,584.85	
09/12/25	EFT	int002	September 12th Federal Withholding	2001-101-000	September 12th Federal Withholding	14,207.12	
09/12/25	EFT	mnd001	September 12th State Withholding	2003-101-000	September 12th State Withholding	2,469.47	
09/12/25	EFT	per001	September 12th PERA	2011-101-000	September 12th PERA	7,573.22	
09/12/25	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	1,943.00	
09/12/25	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	2,414.00	
09/26/25	Dir.Dep.	---	September 26th Payroll	4010-101-000	September 26th Payroll	39,584.85	
09/26/25	EFT	int002	September 26th Federal Withholding	2001-101-000	September 26th Federal Withholding	14,207.12	
09/26/25	EFT	mnd001	September 26th State Withholding	2003-101-000	September 26th State Withholding	2,469.47	
09/26/25	EFT	per001	September 26th PERA	2011-101-000	September 26th PERA	7,573.22	
09/26/25	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	1,943.00	
09/26/25	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	2,414.00	
					Payroll/Benefits:	**$136,581.22**	
	Total				**Accounts Payable/Payroll/Benefits:**	**620,381.04**	

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Summary of Professional Engineering Services During the Period
August 16 through September 12, 2025

	Total Engineering Budget (2025)	Total Fees to Date (2025)	Budget Balance (2025)	Fees During Period	District Accounting Code	Plan Implementation Task Number
Engineering Administration						
General Engineering Administration	$96,600.00	$76,924.90	$19,675.10	$5,121.50	**4121-101**	DW-13
RWMWD Health and Safety/ERTK Program (Training)	$2,000.00	$615.00	$1,385.00	$0.00	**4697-101**	DW-13
Education Assistance	$20,000.00	$0.00	$20,000.00	$0.00	**4129-101**	DW-11, DW-13
Targeted Retrofit Outreach, Assessment and Planning	$25,000.00	$2,947.00	$22,053.00	$0.00	**4121-101**	DW-6, DW-13, DW-20
Engineering Review						
Engineering Review	$78,750.00	$50,797.00	$27,953.00	$3,598.50	**4123-101**	DW-13
Project Feasibility Studies						
Manufactured Homes Resilience Evaluation	$20,000.00	$8,646.44	$11,353.56	$1,759.50	**4129-101**	GC-3
Phalen Village Improvements	$5,000.00	$0.00	$5,000.00	$0.00	**4129-101**	DW-9
Evaluate compliance with South Metro Mississippi River TSS TMDL	$25,000.00	$6,274.50	$18,725.50	$1,806.50	**4129-101**	MR-2
Street Sweeping	$20,000.00	$6,294.50	$13,705.50	$245.00	**4129-101**	DW-6, DW-15
Tanners, Battle Creek Lake, McKnight Basin outlet operation plan	$35,000.00	$0.00	$35,000.00	$0.00	**4129-101**	DW-9
Interim Emergency Response Plans (Non-Beltline Areas)	$30,000.00	$9,262.50	$20,737.50	$2,322.50	**4129-101**	DW-19
Flood Risk Reduction feasibility study - 4th street North and 4th Street Place N (N of ABI)	$75,000.00	$0.00	$75,000.00	$0.00	**4129-101**	DW-9
Flood Risk Reduction feasibility study - Roseville Central Park	$50,000.00	$23,253.00	$26,747.00	$3,289.00	**4129-101**	DW-9
Stormwater Model Updates	$50,000.00	$24,836.50	$25,163.50	$4,046.50	**4129-101**	DW-9
Studies Stemming From Creek Walks	$30,000.00	$376.50	$29,623.50	$376.50	**4129-101**	DW-1
Shoreline Assessment Assistance	$20,000.00	$0.00	$20,000.00	$0.00	**4129-101**	DW-8
Wetland Restoration Planning	$20,000.00	$2,762.50	$17,237.50	$2,204.50	**4129-101**	DW-8
Contingency*	$20,000.00	$0.00	$20,000.00	$0.00	**4129-101**	
GIS Maintenance						
GIS Maintenance	$5,000.00	$1,776.50	$3,223.50	$665.00	**4170-101**	DW-13
Monitoring Water Quality/Project Monitoring						
Lake Water Quality Monitoring (Misc QA/QC)	$10,000.00	$5,450.50	$4,549.50	$0.00	**4520-101**	DW-2
Annual WQ Report Assistance	$20,000.00	$16,940.00	$3,060.00	$0.00	**4520-101**	DW-2
Special Project BMP Monitoring	$30,000.00	$13,833.20	$16,166.80	$0.00	**4520-101**	DW-12
Grass Lake Berm Wetland Monitoring	$5,000.00	$2,423.50	$2,576.50	$33.00	**4520-101**	DW-5, DW-8
Battle Creek and Fish Creek Monitoring	$20,000.00	$10,049.58	$9,950.42	$538.50	**4520-101**	DW-1, DW-2
Permit Processing, Inspection and Enforcement						
Permit Application Inspection and Enforcement	$10,000.00	$8,312.40	$1,687.60	$362.50	**4122-101**	DW-7
Permit Application Review	$70,000.00	$51,518.00	$18,482.00	$4,830.00	**4124-101**	DW-7
Watershed Management Plan Update						
Ecosystem Restoration Plan (or "Ecosystem Health Action Plan") Placeholder	$50,000.00	$0.00	$50,000.00	$0.00	**4661-101**	DW-8, DW-14
WMP Update Phase 1- Stakeholder Engagement	$47,000.00	$31,010.00	$15,990.00	$652.00	**4661-101**	DW-13
WMP Update Phase 2- Complex Pre-Work	$30,000.00	$5,319.50	$24,680.50	$4,269.50	**4661-101**	DW-13
WMP Update Phase 3- Draft Plan Development	$37,000.00	$0.00	$37,000.00	$0.00	**4661-101**	DW-13
Lake Studies/TMDL Reports						
2025 Grant Applications	$20,000.00	$1,082.00	$18,918.00	$224.00	**4661-101**	DW-13
Contingency for Lake Studies	$22,500.00	$0.00	$22,500.00	$0.00	**4661-101**	
Research Projects						
New Technology Mini Case Studies (average 6 per year)	$15,750.00	$11,744.50	$4,005.50	$1,015.50	**4695-101**	DW-12
Wakefield Lake Aeration Feasibility Study	$50,000.00	$9,174.00	$40,826.00	$1,842.00	**4695-101**	
Project Operations						
2025 Tanners Alum Facility Monitoring	$17,850.00	$14,371.31	$3,478.69	$632.50	**4650-101**	TaL-3
Phalen/Keller and Twin Operations Support & Communications	$5,000.00	$3,708.50	$1,291.50	$1,183.00	**4650-101**	DW-5, DW-13, DW-18
Lake Level Station Operation and Maintenance	$50,000.00	$26,661.38	$23,338.62	$4,660.78	**4650-101**	DW-5, DW-18
Lake Level Station Forecast Integration	$55,000.00	$22,682.50	$32,317.50	$2,062.00	**4650-101**	DW-5, DW-18
Capital Improvements						
Roosevelt Homes Phase III	$22,000.00	$60,430.20	-$38,430.20	$1,501.00	**4128-518**	DW-6, DW-9
Targeted Retrofit Projects 2025	$150,000.00	$116,061.10	$33,938.90	$6,042.90	**4128-518**	DW-6
Stewardship Grant Program	$75,000.00	$5,652.50	$69,347.50	$52.50	**4682-529**	DW-6
Pioneer Park Stormwater Reuse*	$10,000.00	$7,612.80	$2,387.20	$0.00	**4128-518**	DW-6
Double Driveway and Fish Creek Tributary Improvements	$235,000.00	$14,911.00	$220,089.00	$1,112.00	**4129-537**	FC-2
Cottage Place Wetland*	$30,000.00	$31,501.00	-$1,501.00	$2,582.00	**4128-518**	DW-8, DW-14, LE-3
Ames Lake improvements	$250,000.00	$0.00	$250,000.00	$0.00	**4128-520**	DW-9, BELT-1
County Road C Culvert Capacity*	$10,000.00	$2,207.00	$7,793.00	$0.00	**4128-520**	DW-9, KC-2
Kohlman Creek Improvements*	$90,000.00	$98,448.95	-$8,448.95	$4,005.00	**4128-520**	DW-9, KC-2
Wabasso Outlet Replacement	$60,000.00	$66,862.54	-$6,862.54	$2,296.50	**4128-520**	DW-5
Kohlman Lake Alum Treatment*	$71,300.00	$35,312.80	$35,987.20	$2,752.50	**4128-518**	KL-2
Woodbury Target*	$10,000.00	$4,559.00	$5,441.00	$732.50	**4128-518**	DW-6
CIP Project Repair & Maintenance						
Routine CIP Inspection and Unplanned Maintenance Identification	$125,000.00	$74,354.69	$50,645.31	$29,702.80	**4128-516**	DW-5
2025 CIP Maintenance and Repairs	$270,360.00	$95,320.26	$175,039.74	$0.00	**4128-516**	DW-5
RWMWD Office Parking Lot Retrofit	$30,000.00	$9,117.00	$20,883.00	$3,690.50	**4128-516**	DW-5
Beltline long-term fix near river outfall	$320,000.00	$305,148.48	$14,851.52	$323.00	**4128-516**	BELT-2
Beltline 5-year inspection	$235,000.00	$206,834.68	$28,165.32	$657.00	**4128-516**	BELT-2

***For these CIP projects, only the 2025 portion of the total budget is shown.**

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

$103,190.48

Bradley J. Lindaman, Vice President

ROOSEVELT HOMES PHASE 3
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT
Progress Payment Application No. 4

1.	Completed to Date:	$ 345,401.43		
2.	Less Previously Billed:		$ 160,838.85	
3.	Amount Completed This Period:			$ 93,824.78
4.	Amount Previously Retained (See Note 3):		$ (22,265.79)	
5.	Amount Retained This Period (See Note 1):			$ -
6.	Total Amount Retained (See Note 2):		$ 22,265.79	
7.	Retainage Released Through This Period:			$ 22,265.79
8.	Less Total Retainage Remaining:		$ -	
9.	(Pay Application No.1 + No.2 + No. 3)	$ 229,310.87		
10.	Amount Due This Period:			**$ 116,090.57**

Note 1: At rate of 10% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter.

Note 2: Maximum amount is 5% of current Contract Price.

Original Contract Price:	$ 323,711.43
Change Order 1:	$14,829.60
Current Contract Price:	$ 338,541.03

Note 3: previously retained value was listed incorrectly on Pay Application 3, updated to reflect accurate values.

SUBMITTED BY: Stephan McLafferty
Name: Stephan McLafferty Date: 9-16-2025
Title: Project Manager
Contractor: Shoreline Landscaping, LLC

Signature:

RECOMMENDED BY:
Name: Marcy Bean Date: 9/15/2025
Title: Project Manager
Engineer: Barr Engineering Company

Signature: Marcy L Bean

APPROVED BY:
Name: Val Eisele Date:
Title: President
Owner: Ramsey-Washington Metro Watershed District

Signature:

ROOSEVELT HOMES PHASE 3 CONSTRUCTION CONTRACT AMOUNT FOR PROGRESS PAYMENT 4				BID TOTAL		TOTAL COMPLETED THROUGH THIS PERIOD		9/2/2025 TOTAL COMPLETED THIS PERIOD	
Bid Item	**Description**	**Unit**	**Estimated Quantity**	**Unit Price**	**Extended Cost**	**Actual Quantity***	**Extended Cost**	**Actual Quantity***	**Extended Cost**
A	Mobilization	LS	1	$ 28,000.00	$ 28,000.00	1	$ 28,000.00	0.25	$ 7,000.00
B	Traffic and Pedestrian Safety Control Measures	LS	1	$ 3,000.00	$ 3,000.00	1	$ 3,000.00		$ -
C	Electrical Utility Relocation (Modifications, UE Conduits and Wiring)	LS	1	$ 14,000.00	$ 14,000.00	1	$ 14,000.00		$ -
D	Construction Layout and Staking	LS	1	$ 4,500.00	$ 4,500.00	1	$ 4,500.00		$ -
E	Temporary Construction Fencing (P)	LF	1,195	$ 10.00	$ 11,950.00	1,195	$ 11,950.00		$ -
F	Tree Protection Fencing (P)	LF	190	$ 4.00	$ 760.00	190	$ 760.00		$ -
G	Construction Entrance Rumble Mat	EA	1.0	$ 1,500.00	$ 1,500.00	1	$ 1,500.00		$ -
H	Inlet Protection (P)	EA	10.00	$ 200.00	$ 2,000.00	10.00	$ 2,000.00		$ -
I	Sediment Control Log	LF	911.00	$ 3.00	$ 2,733.00	911	$ 2,733.00		$ -
J	Sawcut Existing Pavement (P)	LF	418	$ 5.00	$ 2,090.00	418	$ 2,090.00		$ -
K	Remove and Dispose of Bituminous Pavement (P)	SY	121	$ 5.80	$ 701.80	**184**	$ 1,067.20	63	$ 365.40
L	Remove and Dispose of Concrete Pavement (P)	SY	273	$ 12.00	$ 3,276.00	273	$ 3,276.00		$ -
M	Remove and Dispose Existing Storm Pipes (all sizes)	LF	104	$ 43.00	$ 4,472.00	104	$ 4,472.00		$ -
N	Remove and Dispose of Existing Storm Sewer Manhole	EA	1	$ 2,840.00	$ 2,840.00	1	$ 2,840.00		$ -
O	Remove and Dispose Sod (P)	SY	749	$ 1.80	$ 1,348.20	749	$ 1,348.20		$ -
P	Remove, Salvage and Stockpile Topsoil (P)	BCY	83	$ 15.00	$ 1,245.00	83	$ 1,245.00		$ -
Q	Remove, Salvage and Replace Existing Casting	EA	2	$ 1,170.00	$ 2,340.00	2	$ 2,340.00	1	$ 1,170.00
R	Remove, Salvage, and Reinstall Fencing (Black)	LS	1	$ 1,570.00	$ 1,570.00	1	$ 1,570.00	0.5	$ 785.00
S	Remove and Dispose of Chain Link Fence	LS	1	$ 1,520.00	$ 1,520.00	1	$ 1,520.00		$ -
T	Remove and Dispose of Retaining Wall (Timber)	LS	1	$ 2,200.00	$ 2,200.00	1	$ 2,200.00		$ -
U	Remove and Dispose of Existing Playground Surfacing & Equipment	LS	1	$ 4,830.00	$ 4,830.00	1	$ 4,830.00		$ -
V	City of St. Paul Approved Contractor (Required for R.O.W. work)	LS	1	$ 11,400.00	$ 11,400.00	1	$ 11,400.00		$ -
W	Traffic Safety Signs (All Types)	EA	2	$ 1,300.00	$ 2,600.00	**2.23**	$ 2,900.00	0.23	$ 300.00
X	Bituminous Pavement (P)	SY	210	$ 65.00	$ 13,650.00	**273**	$ 17,745.00	273	$ 17,745.00
Y	Painted Pavement Marking	LS	1	$ 1,310.00	$ 1,310.00	1	$ 1,310.00	1	$ 1,310.00
Z	Concrete Curb & Gutter B612	LF	55	$ 54.00	$ 2,970.00	55	$ 2,970.00	55	$ 2,970.00
AA	Concrete Sidewalk (P)	SY	310	$ 98.00	$ 30,380.00	310	$ 30,380.00	110	$ 10,780.00
BB	Pedestrian Ramp w/ Truncated Domes	EA	1	$ 4,120.00	$ 4,120.00	1	$ 4,120.00	1	$ 4,120.00
CC	Common Excavation and Embankment (P)	CY	298	$ 20.00	$ 5,960.00	**403**	$ 8,060.00	105	$ 2,100.00
DD	Dispose of Excess Excavated Material Offsite (P)	CY	158	$ 15.00	$ 2,370.00	158	$ 2,370.00		$ -
EE	Trench Drain #1, Complete	LF	13	$ 586.00	$ 7,618.00	13	$ 7,618.00	13	$ 7,618.00
EE	Trench Drain #2, Complete	LF	7	$ 586.00	$ 4,102.00	7	$ 4,102.00		$ -
FF	Concrete Valley Gutter	SY	30	$ 118.00	$ 3,540.00	30	$ 3,540.00	30	$ 3,540.00
GG	Storm Sewer Structure (72" RCP Manhole at Hazelwood)	EA	1	$ 18,250.00	$ 18,250.00	1	$ 18,250.00	1	$ 18,250.00
GG	Storm Sewer Structure (48" RCP Catch Basin)	EA	1	$ 5,830.00	$ 5,830.00	1	$ 5,830.00		$ -
HH	Modify Storm Sewer Structure (Existing Catch Basin at Parking Lot)	EA	1	$ 6,870.00	$ 6,870.00	1	$ 6,870.00		$ -
HH	Modify Storm Sewer Structure (Existing Catch Basin at North Flume/Swale)	EA	1	$ 5,430.00	$ 5,430.00	1	$ 5,430.00		$ -
II	Storm Sewer Pipe (18" RCP CL V)	LF	36	$ 108.00	$ 3,888.00	36	$ 3,888.00		$ -
II	Storm Sewer Pipe (24" RCP CL V)	LF	102	$ 168.00	$ 17,136.00	102	$ 17,136.00		$ -
II	Storm Sewer Pipe (15" DIP CL54)	LF	25	$ 225.00	$ 5,625.00	25	$ 5,625.00		$ -
JJ	Storm Sewer End Section (FES at 15" DIP)	EA	2	$ 1,175.00	$ 2,350.00	2	$ 2,350.00		$ -
KK	Connect Existing Storm Sewer to Storm Sewer Structure (at Hazelwood)	EA	4	$ 3,210.00	$ 12,840.00	4	$ 12,840.00		$ -
LL	Boulder Gravity Wall, Complete	LS	1	$ 13,830.00	$ 13,830.00	1	$ 13,830.00		$ -
MM	Energy Dissipation Apron, Riprap	EA	2	$ 830.00	$ 1,660.00	2	$ 1,660.00		$ -
NN	French Drain with Pea Gravel, Complete (Perforated Pipe Underdrain) (P)	LF	112	$ 48.00	$ 5,376.00	112	$ 5,376.00		$ -
OO	Chain Link Fence with Concrete Maintenance Strip	LF	135	$ 105.00	$ 14,175.00	135	$ 14,175.00		$ -
OO	Chain Link Fence with Concrete Maintenance Strip (thickened base)	LF	80	$ 131.00	$ 10,480.00	80	$ 10,480.00		$ -
PP	Soil Loosening (P)	SY	985	$ 8.00	$ 7,880.00	985	$ 7,880.00		$ -
QQ	Reinstall Salvaged Topsoil	CY	83	$ 15.00	$ 1,245.00	83	$ 1,245.00		$ -
RR	Seeding	AC	0.2	$ 3,800.00	$ 760.00	0.2	$ 760.00		$ -
SS	Erosion Control Blanket (Type 2S, 100% Biodegradable)	SY	985	$ 2.85	$ 2,807.25	985	$ 2,807.25	196	$ 558.60
TT	Perennial (4" Plug) (P)	EA	46	$ 8.33	$ 383.18	46	$ 383.18	46	$ 383.18
CO1	*Change Order 1*					*1*	*$ 14,829.60*	*1*	*$ 14,829.60*
	TOTAL			**BID TOTAL**	**$323,711.43**	**TOTAL COMPLETED TO DATE**	**$345,401.43**	**TOTAL (PAY APP #3)**	**$93,824.78**

** NOTE: Items noted as **BOLD** indicate a change from original bid quantities.*

2025 TARGETED RETROFIT - COCHRAN RECOVERY SERVICES
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT
Progress Payment Application No. 2

1.	Completed to Date:	$118,864.06		
2.	Less Previously Billed:		$ 98,981.06	
3.	Amount Completed This Period:			$19,883.00
4.	Amount Previously Retained:		$ 6,208.79	
5.	Amount Retained This Period (See Note 1):			$ -
6.	Total Amount Retained (See Note 2):		$ 6,208.79	
7.	Retainage Released Through This Period:			$ -
8.	Less Total Retainage Remaining:		$ 6,208.79	
9.	Less Amounts Previously Paid (Pay Application No.1 + No.2)	$ 92,772.27		
10.	Amount Due This Period:			**$ 19,883.00**

Note 1: At rate of 10% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter. Maximum amount is 5% of current Contract Price.

Note 2:	Original Contract Price:	$ 111,775.81
	Change Order 1:	$12,400.00
	Current Contract Price:	$ 124,175.81

SUBMITTED BY:
Name: Charlie Sawdey Date: 9/8/2025
Title: Project Manager
Contractor: Minnesota Native Landscapes

Signature:

RECOMMENDED BY:
Name: Marcy Bean Date: 9/8/2025
Title: Project Manager
Engineer: Barr Engineering Company

Signature:

APPROVED BY:
Name: Val Eisele Date:
Title: President
Owner: Ramsey-Washington Metro Watershed District

Signature:

2025 Retrofit Projects - Cochran Recovery Services
Construction Contract Amount for Progress Payment 2

					BID TOTAL		TOTAL COMPLETED TO DATE 9/8/2025		TOTAL COMPLETED THIS PERIOD 9/8/2025	
Bid Item	**Item Code**	**Item Description**	**UofM**	**Bid Quantity**	**Unit Price**	**Extension**	**Completed Qty**	**Completed Value**	**Pay App Qty**	**Pay App Value**
1	A	Mobilization	LS	1	$10,000.00	$10,000.00	1	$10,000.00		$0.00
2	B	Traffic and Pedestrian Safety Control	LS	1	$1,900.00	$1,900.00	1	$1,900.00		$0.00
3	C	Construction Layout and Staking	LS	1	$1,100.00	$1,100.00	1	$1,100.00		$0.00
4	D	Erosion and Sediment Control	LS	1	$3,235.00	$3,235.00	1	$3,235.00		$0.00
5	E	Tree Removal	EA	20	$225.00	$4,500.00	20	$4,500.00		$0.00
6	F	Site Preparation (East Planting Area) (P)	SF	2997	$1.20	$3,596.40	2997	$3,596.40		$0.00
7	G	Site Preparation (Savanna Seeding) (P)	SF	34280	$0.30	$10,284.00	34280	$10,284.00		$0.00
8	H	Remove and Dispose Chain Link Fence (P)	LF	350	$17.30	$6,055.00	350	$6,055.00		$0.00
9	I	Chain Link Fence	LF	150	$24.20	$3,630.00	150	$3,630.00	150	$3,630.00
10	J	Sawcut Pavement	LF	25	$8.85	$221.25	25	$221.25		$0.00
11	K	Remove Pavement	SF	90	$22.85	$2,056.50	90	$2,056.50		$0.00
12	L	Common Excavation (P)	CY	350	$11.85	$4,147.50	**495**	$5,865.75		$0.00
13	M	Finish Grading (P)	SY	2685	$1.05	$2,819.25	2685	$2,819.25		$0.00
14	N	Precast Concrete Inlet Structure with Concrete Apron	EA	2	$3,455.00	$6,910.00	2	$6,910.00		$0.00
15	O	Bituminous Patch	SF	90	$26.75	$2,407.50	90	$2,407.50		$0.00
16	P	Concrete Apron	SF	60	$60.50	$3,630.00	60	$3,630.00		$0.00
17	Q	Concrete Curb & Gutter	LF	25	$139.85	$3,496.25	25	$3,496.25		$0.00
18	R	Riprap	SF	733	$2.65	$1,942.45	**853**	$2,260.45		$0.00
19	S	Draintile, Perforated (4" CPEP)	LF	74	$12.45	$921.30	74	$921.30		$0.00
20	T	PVC, Solid (6" SDR35)	LF	20	$44.45	$889.00	20	$889.00		$0.00
21	U	Draintile Cleanout	EA	2	$121.00	$242.00	2	$242.00		$0.00
22	V	Soil Loosening (P)	AC	0.93	$1,202.50	$1,118.33	0.93	$1,118.33		$0.00
23	W	Compost	ECY	63	$66.70	$4,202.10	63	$4,202.10		$0.00
24	X	Herbaceous Plant (#1 Perennial) (P)	EA	111	$46.00	$5,106.00	109	$5,014.00	109	$5,014.00
25	Y	Herbaceous Plant (Plug) (P)	EA	275	$7.00	$1,925.00	275	$1,925.00	275	$1,925.00
26	Z	Shrub (#2 Container) (P)	EA	72	$64.00	$4,608.00	72	$4,608.00	72	$4,608.00
27	AA	Deciduous Tree (#10 Container) (P)	EA	16	$362.00	$5,792.00	13	$4,706.00	13	$4,706.00
28	BB	Twice Shredded Hardwood Mulch (P)	CY	37	$65.70	$2,430.90	37	$2,430.90		$0.00
29	CC	Seeding (Savanna)	AC	0.79	$1,925.00	$1,520.75	0.79	$1,520.75		$0.00
30	DD	Seeding (Basin Bottom)	AC	0.16	$2,413.00	$386.08	0.16	$386.08		$0.00
31	EE	Erosion Control Blanket	SY	774	$2.80	$2,167.20	774	$2,167.20		$0.00
32	EE	Straw Mulch	AC	0.79	$2,995.00	$2,366.05	0.79	$2,366.05		$0.00
33	FF	Vegetation Establishment & Maintenance - Years 1-2	EA	2	$3,085.00	$6,170.00	0	$0.00		$0.00
Change Order #1	--	Replace existing culvert in west basin. Includes excavation, pipe, rock, and concrete sidewalk patch	LS	1			1	$12,400.00		$0.00
					Total	$111,775.81				
					Total w/ CO's	$124,175.81		$118,864.06		$19,883.00

***** *NOTE: Items noted as* ***BOLD*** *indicate a change from original bid quantities.*

Bid Item	*Measure Payment Item*	*Item Description*	*Unit*	*Est. QTY*	*Unit Price*	*Extension*	*Pay App 1 QTY*	*Pay App 1 Value*	*Pay App 2 QTY*	*Pay App 2 Value*	*Remaining QTY*	*Remaining Value*	*Notes*
1	A	Mobilization	LS	1	$ 10,000.00	$ 10,000.00	1	$ 10,000.00		$ -	0	$ -	
2	B	Traffic and Pedestrian Safety Control	LS	1	$ 1,900.00	$ 1,900.00	1	$ 1,900.00		$ -	0	$ -	
3	C	Construction Layout and Staking	LS	1	$ 1,100.00	$ 1,100.00	1	$ 1,100.00		$ -	0	$ -	
4	D	Erosion and Sediment Control	LS	1	$ 3,235.00	$ 3,235.00	1	$ 3,235.00		$ -	0	$ -	
5	E	Tree Removal	EA	20	$ 225.00	$ 4,500.00	20	$ 4,500.00		$ -	0	$ -	
6	F	Site Preparation (East Planting Area) (P)	SF	2,997	$ 1.20	$ 3,596.40	2,997	$ 3,596.40		$ -	0	$ -	
7	F	Site Preparation (Savanna Seeding) (P)	SF	34,280	$ 0.30	$ 10,284.00	34,280	$ 10,284.00		$ -	0	$ -	
8	G	Remove and Dispose Chain Link Fence (P)	LF	350	$ 17.30	$ 6,055.00	350	$ 6,055.00		$ -	0	$ -	
9	H	Chain Link Fence	LF	150	$ 24.20	$ 3,630.00	0	$ -	150	$ 3,630.00	0	$ -	
10	I	Sawcut Pavement	LF	25	$ 8.85	$ 221.25	25	$ 221.25		$ -	0	$ -	
11	J	Remove Pavement	SF	90	$ 22.85	$ 2,056.50	90	$ 2,056.50		$ -	0	$ -	
12	K	Common Excavation (P)	CY	495	$ 11.85	$ 5,865.75	495	$ 5,865.75		$ -	0	$ -	Increase in qty (from 350 CY) approved via email 8/18. MNL to survey basins if deemed to be warranted.
13	L	Finish Grading (P)	SY	2,685	$ 1.05	$ 2,819.25	2,685	$ 2,819.25		$ -	0	$ -	
14	M	Precast Concrete Inlet Structure with Concrete Apron	EA	2	$ 3,455.00	$ 6,910.00	2	$ 6,910.00		$ -	0	$ -	
15	N	Bituminous Patch	SF	90	$ 26.75	$ 2,407.50	90	$ 2,407.50		$ -	0	$ -	
16	O	Concrete Apron	SF	60	$ 60.50	$ 3,630.00	60	$ 3,630.00		$ -	0	$ -	
17	P	Concrete Curb and Gutter	LF	25	$ 139.85	$ 3,496.25	25	$ 3,496.25		$ -	0	$ -	
18	Q	Riprap	SF	853	$ 2.65	$ 2,260.45	853	$ 2,260.45		$ -	0	$ -	
19	R	Draintile, Perforated (4" CPEP)	LF	74	$ 12.45	$ 921.30	74	$ 921.30		$ -	0	$ -	
20	R	PVC, Solid (6" SDR35)	LF	20	$ 44.45	$ 889.00	20	$ 889.00		$ -	0	$ -	
21	S	Draintile Cleanout	EA	2	$ 121.00	$ 242.00	2	$ 242.00		$ -	0	$ -	
22	T	Soil Loosening (P)	AC	0.93	$ 1,202.50	$ 1,118.33	0.93	$ 1,118.33		$ -	0	$ -	
23	U	Compost	CY	63	$ 66.70	$ 4,202.10	63	$ 4,202.10		$ -	0	$ -	
24	V	Herbacious Plant (#1 Perennial) (P)	EA	111	$ 46.00	$ 5,106.00	0	$ -	109	$ 5,014.00	2	$ 92.00	
25	V	Herbacious Plant (Plug) (P)	EA	275	$ 7.00	$ 1,925.00	0	$ -	275	$ 1,925.00	0	$ -	
26	W	Shrub (#2 Container) (P)	EA	72	$ 64.00	$ 4,608.00	0	$ -	72	$ 4,608.00	0	$ -	
27	X	Deciduous Tree (#10 Container) (P)	EA	16	$ 362.00	$ 5,792.00	0	$ -	13	$ 4,706.00	3	$ 1,086.00	
28	Y	Twice Shredded Hardwood Mulch (P)	CY	37	$ 65.70	$ 2,430.90	37	$ 2,430.90		$ -	0	$ -	
29	Z	Seeding (Savanna)	AC	0.79	$ 1,925.00	$ 1,520.75	0.79	$ 1,520.75		$ -	0	$ -	
30	Z	Seeding (Basin Bottom)	AC	0.16	$ 2,413.00	$ 386.08	0.16	$ 386.08		$ -	0	$ -	
31	AA	Erosion Control Blanket	SY	774	$ 2.80	$ 2,167.20	774	$ 2,167.20		$ -	0	$ -	
32	BB	Straw Mulch	AC	0.79	$ 2,995.00	$ 2,366.05	0.79	$ 2,366.05		$ -	0	$ -	
33	CC	Vegetation Establishment & Maintenance - Years 1-2	EA	2	$ 3,085.00	$ 6,170.00	0	$ -	0	$ -	2	$ 6,170.00	
Change Order #1	-	*Replace existing culvert in west basin. Includes excavation, pipe, rock, and concrete sidewalk patch*	*LS*	*1*	*$ 12,400.00*	*$ 12,400.00*	1	$ 12,400.00	0	$ -	0	$ -	Changer Order for culvert replacement approved via email 8/14/2025
Totals						***$ 126,212.06***		***$ 98,981.06***		***$ 19,883.00***		***$ 7,348.00***	

Cottage Place Wetland Restoration
Progress Payment Number 3 - Dimke Excavating

1.0	Total Completed Through This Period:	$268,507.00		
2.0	Total Previously Completed:		$ 176,997.90	
3.0	Total Completed This Period:			$91,509.10
4.0	Amount Previously Retained:		$8,849.90	
5.0	Amount Retained This Period (See Note 1):			$0.00
6.0	Total Amount Retained (See Note 2):		$8,849.90	
7.0	Retainage Released Through This Period:			$7,430.65
8.0	Total Retainage Remaining:		$1,419.25	
9.0	Amount Previously Paid:	$168,148.01		
10.0	Amount Due This Estimate:			$98,939.75

Note 1: No additional retainage will be held as a result of the issuance of Substantial Completion on August 1, 2025

Note 2: Retainage released down to the equivalent of 5% of the remaining vegetation establishment work to be completed over the next 3 years (5% of the sum of items II, JJ, and KK). Remaining funds retained will be released following completion of the future work.

Note 3:

Original contract price:	$ 314,197.25
Change Order 1:	$ 1,419.00
Current contract price:	$ 315,616.25

SUBMITTED BY:
Name: Brandon Donovan Date: 9/15/2025
Title: Project Manager
Contractor: Dimke Excavating Inc.
Signature: Brandon Donovan

RECOMMENDED BY:
Name: Brendan Dougherty Date: 9/15/2025
Title: Project Engineer
Engineer: Barr Engineering Company
Signature: Brendan Dougherty

APPROVED BY:
Name: Val Eisele Date:
Title: President
Owner: Ramsey-Washington Metro Watershed District

Signature:

Cottage Place Wetland Restoration
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through September 15, 2025 for Progress Payment Number 3

						Total Completed Through this Period		Total Completed Through Previous Periods		Completed This Period	
Item	Description	Unit	Bidding Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
A	Mobilization	LS	1	$29,875.00	$ 29,875.00	1.0	$ 29,875.00	0.8	$ 23,900.00	0.2	$ 5,975.00
B	Vehicle and Pedestrian Traffic Control	LS	1	$5,500.00	$ 5,500.00	1	$ 5,500.00	1.0	$ 5,500.00	0.0	$ -
C	Construction Layout and Staking	LS	1	$5,750.00	$ 5,750.00	1.0	$ 5,750.00	0.75	$ 4,312.50	0.25	$ 1,437.50
D	Rock Construction Exit	EA	1	$1,725.00	$ 1,725.00	1.0	$ 1,725.00	0.8	$ 1,380.00	0.2	$ 345.00
E	Rock Filter Dike	EA	2	$2,650.00	$ 5,300.00	-	$ -	0.0	$ -	0.0	$ -
F	Inlet Protection	EA	5	$265.00	$ 1,325.00	4	$ 1,060.00	4.0	$ 1,060.00	0.0	$ -
G	Silt Fence	LF	2255	$3.35	$ 7,554.25	-	$ -	0.0	$ -	0.0	$ -
H	Sediment Control Log	LF	767	$3.45	$ 2,646.15	2,715	$ 9,366.75	2715.0	$ 9,366.75	0.0	$ -
I	Tree Protection Fencing	LF	501	$8.00	$ 4,008.00	-	$ -	0.0	$ -	0.0	$ -
J	Clearing and Grubbing (<8" Caliper Trees and Shrubs)	LS	1	$12,875.00	$ 12,875.00	1	$ 12,875.00	1.0	$ 12,875.00	0.0	$ -
K	Remove and Dispose Tree (>8" Caliper)	EA	263	$165.00	$ 43,395.00	263	$ 43,395.00	263.0	$ 43,395.00	0.0	$ -
L	Remove Storm Sewer Pipe	LF	36	$63.00	$ 2,268.00	36	$ 2,268.00	36.0	$ 2,268.00	0.0	$ -
M	Remove and Replace Trash Grate	EA	1	$1,185.00	$ 1,185.00	1	$ 1,185.00	1.0	$ 1,185.00	0.0	$ -
N	Storm Sewer Pipe - 18" RCP	LF	75	$165.00	$ 12,375.00	75	$ 12,375.00	75.0	$ 12,375.00	0.0	$ -
O	18" RC Flared End Section	EA	4	$2,650.00	$ 10,600.00	4	$ 10,600.00	4.0	$ 10,600.00	0.0	$ -
P	Riprap - MnDOT Class III	CY	41	$175.00	$ 7,175.00	37	$ 6,475.00	37.0	$ 6,475.00	0.0	$ -
Q	Test Trenching	HOUR	8	$200.00	$ 1,600.00	5	$ 1,000.00	5.0	$ 1,000.00	0.0	$ -
R	Salvage and Respread Existing Topsoil (P)	CY	1841	$7.00	$ 12,887.00	1,841	$ 12,887.00	1841.0	$ 12,887.00	0.0	$ -
S	Common Excavation (P)	CY	1194	$5.75	$ 6,865.50	1,194	$ 6,865.50	1194.0	$ 6,865.50	0.0	$ -
T	Haul and Dispose of Clean Debris Offsite (P)	CY	197	$51.00	$ 10,047.00	59	$ 3,029.40	59.4	$ 3,029.40	0.0	$ -
U	Common Embankment (P)	CY	997	$5.75	$ 5,732.75	997	$ 5,732.75	997.0	$ 5,732.75	0.0	$ -
V	Grade 2 Compost	CY	123	$64.00	$ 7,872.00	123	$ 7,872.00	123.0	$ 7,872.00	0.0	$ -
W	Invasive Species Removal and Control	EA	2	$3,500.00	$ 7,000.00	2	$ 7,000.00	1.0	$ 3,500.00	1.0	$ 3,500.00
X	Soil Bed Preparation - Fine Grading and Power Rototilling (P)	AC	5	$620.00	$ 3,100.00	5	$ 3,100.00	0.0	$ -	5.0	$ 3,100.00
Y	Herbaceous Plug	EA	1224	$7.50	$ 9,180.00	1,224	$ 9,180.00	0.0	$ -	1224.0	$ 9,180.00
Z	Shrub (#2 Gallon Container)	EA	85	$83.00	$ 7,055.00	85	$ 7,055.00	0.0	$ -	85.0	$ 7,055.00
AA	Shrub (#5 Gallon Container)	EA	137	$87.50	$ 11,987.50	137	$ 11,987.50	0.0	$ -	137.0	$ 11,987.50
BB	Deciduous Tree (#10, Cont.)	EA	55	$400.00	$ 22,000.00	55	$ 22,000.00	0.0	$ -	55.0	$ 22,000.00
CC	Native Seeding (Mesic) (P)	AC	1.9	$3,100.00	$ 5,890.00	2	$ 5,890.00	0.0	$ -	1.9	$ 5,890.00
DD	Native Seeding (Upland) (P)	AC	0.4	$2,475.00	$ 990.00	0	$ 990.00	0.0	$ -	0.4	$ 990.00
EE	Native Seeding (Wetland) (P)	AC	2.7	$3,100.00	$ 8,370.00	3	$ 8,370.00	0.0	$ -	2.7	$ 8,370.00
FF	Erosion Control Blanket	SY	1855	$3.60	$ 6,678.00	1,855	$ 6,678.00	0.0	$ -	1855.0	$ 6,678.00
GG	Straw Mulch	AC	4.6	$916.00	$ 4,213.60	5	$ 4,213.60	0.0	$ -	4.6	$ 4,213.60
HH	Twice Shredded Hardwood Mulch (P)	CY	9	$87.50	$ 787.50	9	$ 787.50	0.0	$ -	9.0	$ 787.50
II	Vegetation Establishment Year 1	LS	1	$9,785.00	$ 9,785.00	-	$ -	0.0	$ -	0.0	$ -
JJ	Vegetation Establishment Year 2	LS	1	$9,300.00	$ 9,300.00	-	$ -	0.0	$ -	0.0	$ -
KK	Vegetation Establishment Year 3	LS	1	$9,300.00	$ 9,300.00	-	$ -	0.0	$ -	0.0	$ -
CO1	Removal of Tree House and Disposal of Materials	LS	1	$ 1,419.00	$ 1,419.00	1	$ 1,419.00	1.0	$ 1,419.00	0.0	$ -
			TOTAL BASE BID		$ 315,616.25	[1]	$ 268,507.00		$ 176,997.90		$ 91,509.10

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

September 18, 2025
File No: 9M

	Balance
General Account	$825.00

Payment can be made over the phone, by check, or online at
www.galowitzolson.com

Permit Application Coversheet

Date October 01, 2025

Project Name Cowren Elementary Addition **Project Number** 25-26

Applicant Name Mike Boland, ISD 622

Type of Development Institutional

Property Description

This project is located at Cowren Elementary at 2131 Margaret St N in North St. Paul. It consists of the construction of two building additions, parking lot expansions, sidewalk rerouting and the installation of a stormwater basin to meet stormwater management requirements. Pretreatment will include rain guardians and sumps.

Watershed District Policies or Standards Involved:

- ☐ ***Wetlands***
- ☑ ***Erosion and Sediment Control***
- ☑ ***Stormwater Management***
- ☐ ***Floodplain***

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.

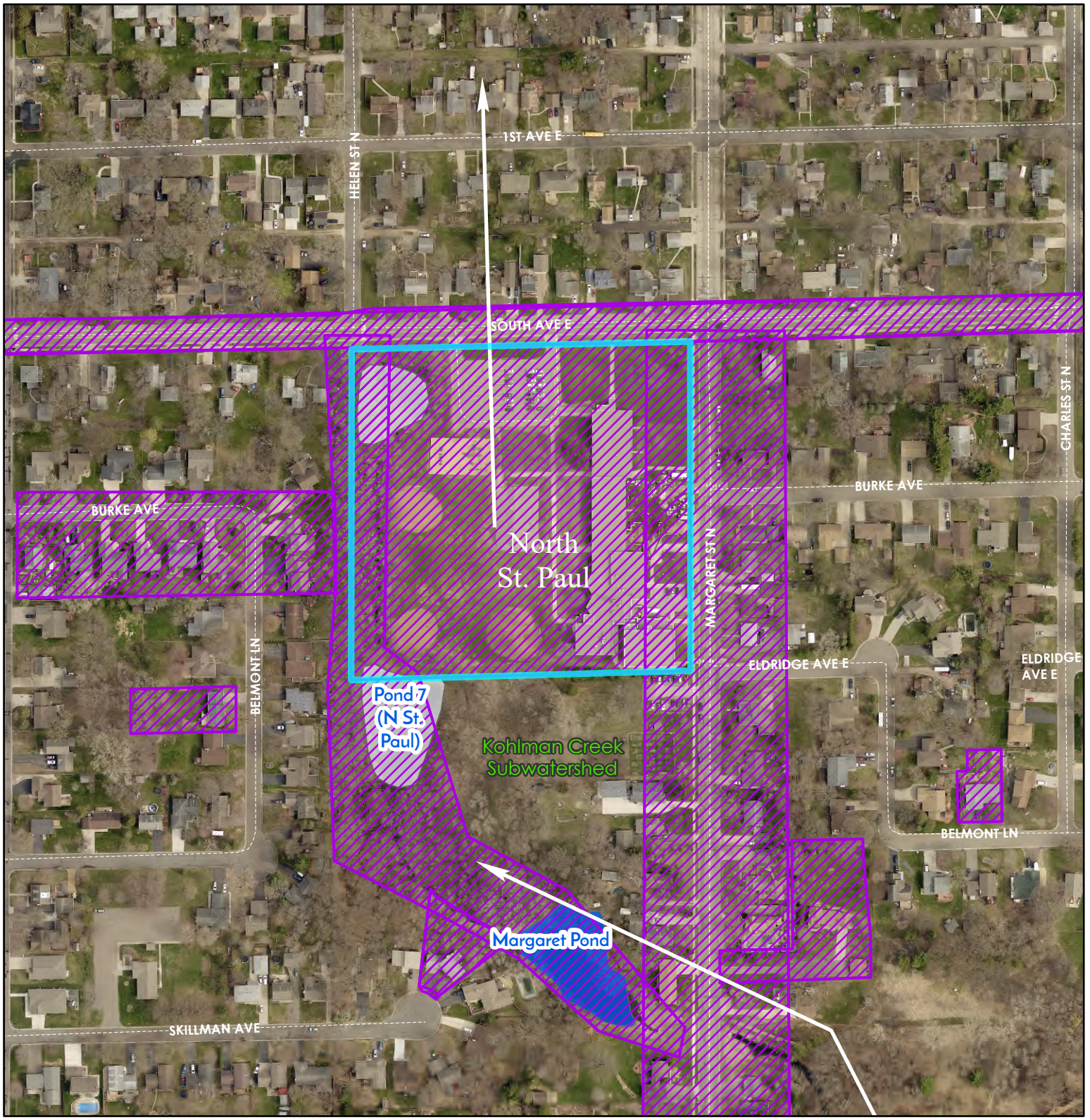
Staff Recommendation

Staff recommends approval of this permit with the special provisions.

Attachments:

- ☑ **Project Location Map**
- ☑ **Project Grading Plan**

#25-26 - Cowern Elementary Addition



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

- Flow Arrows
- Roads
- Permits
- Cities
- Subwatersheds
- RWMWD Boundary

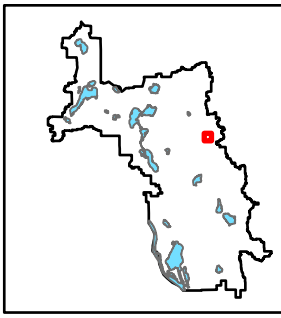
Shaded area is outside RWMWD

Highlighted Areas Represent Active Permit

Miles: 0 — 0.05 — 0.1

US Feet: 0 — 250 — 500

N

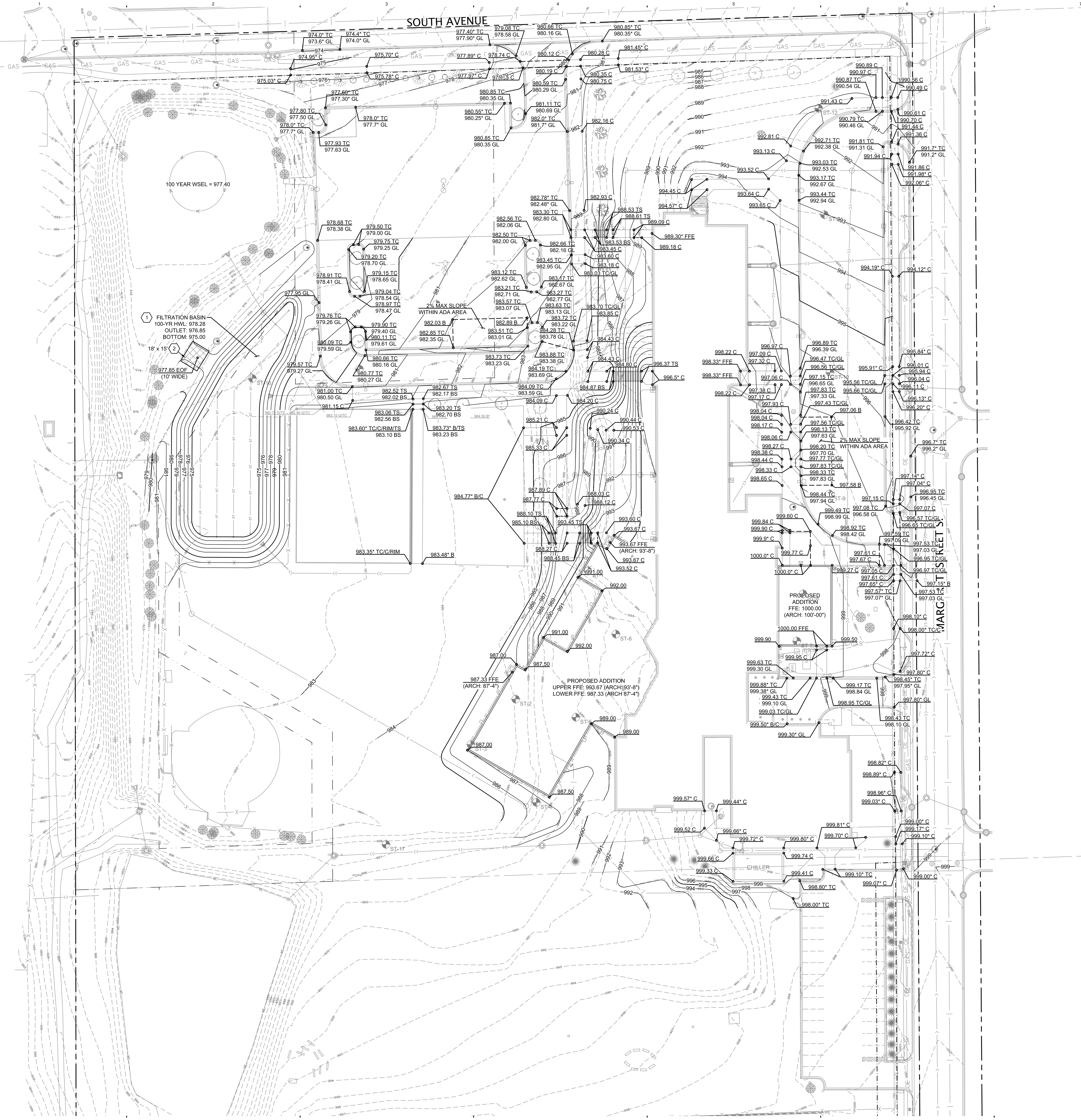


25-26

Special Provisions

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

MN



SYMBOL LEGEND

950	EXISTING CONTOURS
950	PROPOSED CONTOURS - MAJOR INTERVAL
949	PROPOSED CONTOURS - MINOR INTERVAL
	GRADE BREAK LINE
2.0%	GRADE SLOPE
950.00 TC 949.50 GL	SPOT ABBREVIATIONS: TC - TOP OF CURB GL - GUTTER LINE GO - GUTTER OUT B - BITUMINOUS C - CONCRETE EO - EMERGENCY OVERFLOW TW - TOP OF WALL BW - BOTTOM OF WALL (F/G) (*) - EXISTING TO BE VERIFIED

GRADING NOTES

1. Tree protection consisting of snow fence or safety fence installed at the drip line shall be in place prior to beginning any grading or demolition work at the site.
2. All elevations with an asterisk (*) shall be field verified. If elevations vary significantly, notify the Engineer for further instructions.
3. Grades shown in paved areas represent finish elevation.
4. All disturbed areas to receive 4" of good quality topsoil and seed.
5. All construction shall be performed in accordance with state and local standard specifications for construction.
6. All volume reduction Best Management Practices (BMPs), where applicable, shall be constructed in accordance with the plans and specifications. Stormwater management systems shall remain offline during construction and shall be protected from debris, and construction activity. Systems shall not be activated until all contributing drainage areas have been permanently stabilized and restored.
7. Notify Mary Fitzgerald, Ramsey-Washington Metro Watershed District, at 651-792-7956 at least 48 hours prior to the construction of any volume reduction BMPs.
8. Turf Reinforcement mats must be installed within 24 hours of soil exposure. If not installed within 24 hours temporary stabilization is required. See sheet C301.

KEY NOTES

1. STORMWATER BASIN, DETAIL 11/C501
2. TURF REINFORCEMENT MAT, DETAIL 7/C501

COWERN ELEMENTARY SCHOOL ADDITIONS

2131 Margaret Street N.
North St. Paul, MN 55109

INDEPENDENT SCHOOL DISTRICT #622
2520 12th Ave. E.
North St. Paul, MN 55109

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

Larson Engineering, Inc.
3524 Labore Road
White Bear Lake, MN 55110
651.481.9120 (f) 651.481.9201
www.larsonengr.com

NORTH
0 15 30 60

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the state of Minnesota.

Greg A. Buchal, P.E.
Date: xx.xx.2025 Lic. No.:

Revisions		
Description	Date	Num

Comm: 12246177.000
Date: xx.xx.2025
Drawn: NJN
Check: GAB

North

GRADING PLAN

Scale: As indicated

RWMWD SUBMITTAL - 09.16.2025

NOT FOR CONSTRUCTION

C300

Stewardship Grant Application Summary

Project Name: Parsons **Application Number:** 25-54 CS

Board Meeting Date: 10/1/2025

Applicant Name: Nate Parsons

Residential ☑ **Commercial/Government** ☐

Project Overview:

This project is located off Burlington Rd and Winthrop Ln in the City of St. Paul. The applicant is proposing to install a rain garden.

The rain garden is eligible for 75% coverage up to a total of $15,000.

BMP type(s):

Rain Garden(1)

Grant Request:

$7,500.00

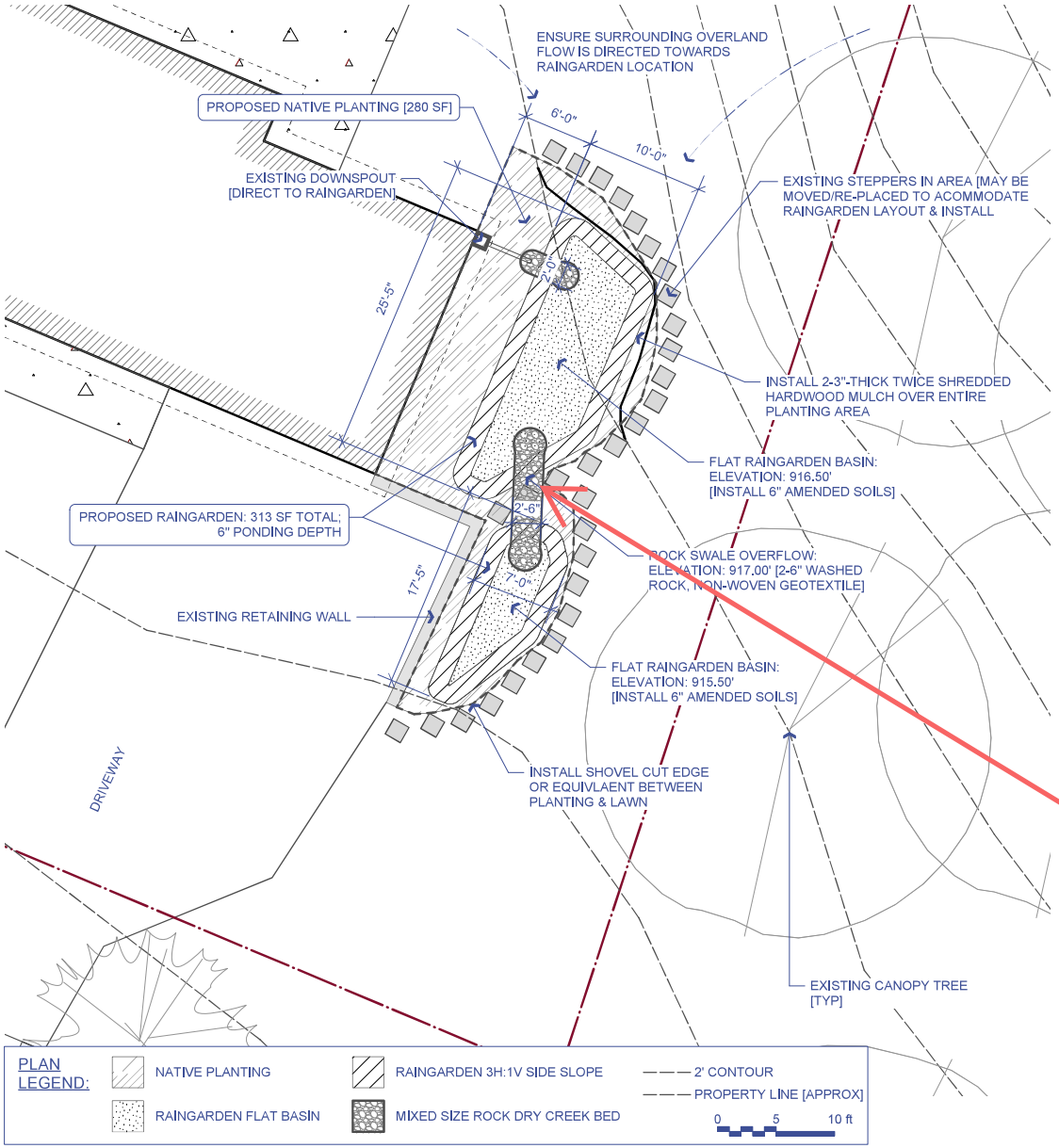
Recommendation:

Staff recommends approval of this application.

Subwatershed:

Blufflands

Location Maps:



25-54 CS-A

GENERAL PROJECT NOTES:

1. CONTRACTOR TO LOCATE UTILITIES PRIOR TO BEGINNING WORK AND SECURE ANY NECESSARY PERMITS. CONFRIM WITH RCSWCD STAFF IF ANY UNDERGROUND UTILITIES CONFLICT WITH PROPOSED PROJECT LOCATIONS.
2. CONTRACTOR TO PROVIDE ANY REQUIRED TEMPORARY EROSION CONTROL AS NEEDED DURING INSTALLATION.
3. CONTRACTOR TO PROTECT ALL TREES IN/NEAR PROJECT AREA DURING INSTALLATION UNLESS OTHERWISE NOTED ON PLANS OR BY LANDOWNER REQUEST.

RAINGARDEN & PLANTING NOTES:

1. EXCAVATE RAINGARDEN AREA, LOOSEN UNDERLYING SOILS 6-12" MINIMUM, AND INSTALL 6" OF AMENDED SOILS IN RAINGARDEN BASIN AREA. [IF SANDY SOILS ARE ENCOUNTERED, AMENDED SOIL MAY BE REMOVED AND UNDERLYING SOILS ONLY LOOSENED]
2. GRADE OUT FLAT RAINGARDEN BASIN AREA. ENSURE BASIN ELEVATION IS LEVEL IN ALL DIRECTIONS. SEE LAYOUT PLAN FOR BASIN ELEVATIONS.
3. GRADE 3H:1V SIDE SLOPES. MATCH SURROUNDING GRADE.
4. INSTALL 2-6" MIXED SIZE WASHED RIVER ROCK OR EQUIVALENT FOR SPLASH AREA AT DOWNSPOUT AND FOR RAINGARDEN BASIN OVERFLOW SWALE AT LOCATIONS SHOWN ON PLAN. INSTALL NON-WOVEN GEOTEXTILE BETWEEN ROCK & SOILS.
5. INSTALL 2-3"-THICK TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE RAINGARDEN & NATIVE PLANTING AREA, PLANT WITH NATIVE SPECIES [SEE PLANTING PLAN ON SHEET L200]
6. SEE PLAN DRAWING FOR RAINGARDEN BASIN ELEVATIONS AND DIMENTIONS. [ELEVATIONS ARE APPROXIMATE, SITE VERIFY.]
7. EXISTING STONE STEPPERS IN AREA CAN BE MOVED DURING INSTALLATION OF RAINGARDEN. RE-INSTALL STEPPERS UPON PROJECT COMPLETION DURING SITE RESTORATION ACTIVTIEIS. ENSURE GRADE SURROUNDING PROJECT LOCATION IS PITCHED TOWARDS RAINGARDEN.
8. ENSURE ALL COMPETING VEGETAION IN PROJECT AREA IS SCRAPED OR KILLED PRIOR TO INSTALLATION.
9. INSTALL SHOVEL CUT EDGE BETWEEN NATIVE PLANTING AREA & EXISTING TURF LAWN.
10. RESTORE ANY LANDSCAPE/LAWN DAMAGE OUTSIDE OF PROJECT AREA WITH TURF/FESCUE SEED/SOD OR EQUIVALENT.
11. EXACT SIDE/SHAPE OF RAINGARDEN & PLANTING PROEJCT MAY VARY WITH LANDOWNER & RCSWCD STAFF APPROVAL. CONTRACTOR TO VERIFY ANY REQUIRED LAYOUT CHANGES PRIOR TO BEGINNING INSTALLATION WITH RCSWCD STAFF.

RAMSEY COUNTY

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

PROJECT:
PARSONS RESIDENCE
LOCATION:
630 BURLINGTON RD
ST. PAUL, MN 55119
WATERSHED DISTRICT:
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT

DESIGNER: BRIAN T. OLSEN
DATE: 7/23/2025
PAST REVISION:
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"=10'-0"

N

SITE LAYOUT

L100

Request for Board Action

Board Meeting Date: October 1, 2025 **Agenda Item No:** 3E

Preparer: Tina Carstens, Administrator

Item Description: Change Order 1 for Kohlman Creek Flood Risk Reduction Project

Background:
Change order 1 for the Kohlman Creek Flood Risk Reduction project is attached.

Change Order 1 is to add the removal of three ash trees that are on the project site and pose a future hazard to the public due to their death and potential collapse. The change in work increased the contract price by $3,000.

This change order also extends the substantial completion date by one month due to delays in the manufacturing of the manhole structures.

Applicable District Goal and Action Item:

Goal: Manage Risk of Flooding – The District will reduce the public's risk to life and property from flooding through programs and projects that protect public safety and economic well-being.

Action Item: Maintain District flood storage facilities and storm sewer systems.

Staff Recommendation:
Approve Change Order No. 1.

Financial Implications:
The total change in the contract price is $3,000.

Board Action Requested:
Approve Change Order No. 1.

Change Order No. 1
Ramsey-Washington Metro Watershed District
Kohlman Creek Flood Risk Reduction Project

DATE OF ISSUANCE: September 16, 2025

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

Contractor: New Look Contracting, Inc.
14450 Northdale Blvd
Rogers, MN 55374
Attn: Darren McAlpine

Engineer: Barr Engineering Company
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Attn: Tyler Olsen, Brandon Barnes

C.O.1.A Add "Tree Removal" bid item

Description of Change:

Ramsey-Washington Metro Watershed District requested the removal of ash trees to the north of PCU Pond at the 13th Avenue project site (Site #2). The ash trees have been identified as needing to be removed by the watershed district and City of North St. Paul. Some trees have already been removed by the city, but there are three (3) remaining trees that should be removed to prevent future hazard (e.g., tree death/collapse due to the Emerald Ash Borer). The Contractor provided a unit price of $1,000 per tree to remove the remaining ash trees.

Work will be measured on the basis of EACH tree removed, all complete as directed by the Owner and Engineer. The ash trees to be removed have been marked by the Owner onsite.

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
C.O.1.A	Tree removal	Each	3	$1,000	$3,000

C.O.1.B Contract Completion Extensions

Description of Change:

Due to delays in the manufacturing of manhole structures, the work is not anticipated to be completed in the contract time. To ensure a quality work product and not rush the construction timeline, the Owner is extending the substantial completion date in the contract from September 30, 2025 to October 31, 2025.

Change in Contract Time:

The substantial completion date is revised to be October 31, 2025.

Total Impact on Contract Price:

This results in a **cost increase** of **$3,000.**

Attachments:

- Ash tree removal request (email)
- Detailed construction schedule by Contractor

This Change Order No. 1
is:

Submitted By: (ENGINEER) Tyler Olsen, Project Engineer, Barr Engineering Company — Date: 9-15-2025

Authorized By: (OWNER) Val Eisele, President, Ramsey-Washington Metro Watershed District — Date: _____

Approved By: (CONTRACTOR) Darren McAlpine, Project Manager, New Look Contracting — Date: 9-15-25

Tyler Olsen

From: David Vlasin <david.vlasin@rwmwd.org>
Sent: Wednesday, September 10, 2025 8:09 AM
To: Paige Ahlborg; Tyler Olsen
Cc: Brandon J. Barnes; Greg Nelson; David Vlasin
Subject: RE: Removal of extra trees

No concerns – please proceed/approve. This is very close to the same price as Fitz from earlier this year for a per tree removal cost.

Trees's are already Marked … Pat did this yesterday as we were onsite (yellow paint – X with a circle around it).

From: Paige Ahlborg <paige.ahlborg@rwmwd.org>
Sent: Wednesday, September 10, 2025 7:46 AM
To: Tyler Olsen <TOlsen@barr.com>; David Vlasin <david.vlasin@rwmwd.org>
Cc: Brandon J. Barnes <BBarnes@barr.com>; Greg Nelson <GNelson@barr.com>
Subject: RE: Removal of extra trees

I'm good with that unless Dave has any concerns. I believe that was the same price we were quoted from Fitz's earlier this year.
Dave, can you see if NR can mark those trees this week?

Paige Ahlborg
Assistant Administrator | Office: 651-792-7964 |
2665 Noel Dr. Little Canada, MN 55117
Ramsey-Washington Metro Watershed District | www.rwmwd.org

From: Tyler Olsen <TOlsen@barr.com>
Sent: Wednesday, September 10, 2025 7:43 AM
To: David Vlasin <david.vlasin@rwmwd.org>; Paige Ahlborg <paige.ahlborg@rwmwd.org>
Cc: Brandon J. Barnes <BBarnes@barr.com>; Greg Nelson <GNelson@barr.com>
Subject: FW: Removal of extra trees

Dave and Paige,

See below from New Look – they are quoting the ash tree removal at $1000 a tree. If you're comfortable with this, we can fold it into the change order with the contract extension time, to be included in the October board packet.

We'll also want to have someone mark the trees for removal prior to work starting next week.

Let me know how you'd like to proceed.

Thanks!

Tyler Olsen, PE
He/him/his

Water Resources Engineer
TOlsen@barr.com | 952.832.2930

From: Darren McAlpine <DMcAlpine@newlookcontracting.net>
Sent: Tuesday, September 9, 2025 4:49 PM
To: Tyler Olsen <TOlsen@barr.com>
Subject: Removal of extra trees

Tyler we will remove the extra trees that was mentioned in the precon there is 3 of them we will do it for $1000.00 a tree

Darren McAlpine

Project Manager

New Look Contracting, Inc.

14045 Northdale Blvd.

Rogers, MN 55374

C: 320-298-7100

O: 763-241-1596

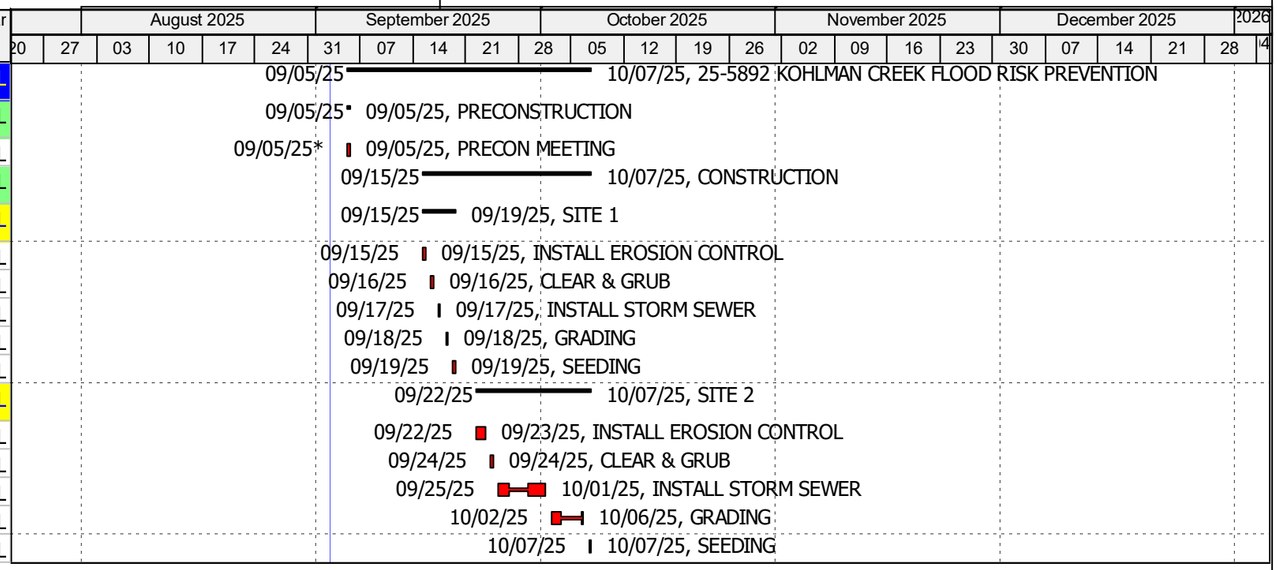
DMcAlpine@newlookcontracting.net

NEW LOOK CONTRACTING

25-5892 KOHLMAN CREEK FLOOD RISK PREVENTION

25-5892 BL1
25-5892 KOHLMAN CREEK FLOOD RISK PREVENTION
DATA DATE:09/03/25
PRINT DATE:09/03/25

Activity Name	Original Duration	Start	Finish	Resources	Calendar
25-5892 KOHLMAN CREEK FLOOD RISK PREVENTION	23.00	09/05/25	10/07/25		5D-NW-PL
PRECONSTRUCTION	1.00	09/05/25	09/05/25		5D-NW-PL
PRECON MEETING	1.00	09/05/25	09/05/25		5D-NW-PL
CONSTRUCTION	17.00	09/15/25	10/07/25		5D-NW-PL
SITE 1	5.00	09/15/25	09/19/25		5D-NW-PL
INSTALL EROSION CONTROL	1.00	09/15/25	09/15/25	NLC EROSION	5D-NW-PL
CLEAR & GRUB	1.00	09/16/25	09/16/25	NLC MISC	5D-NW-PL
INSTALL STORM SEWER	1.00	09/17/25	09/17/25	NLC PIPE	5D-NW-PL
GRADING	1.00	09/18/25	09/18/25	NLC DIRT	5D-NW-PL
SEEDING	1.00	09/19/25	09/19/25	NLC EROSION	5D-NW-PL
SITE 2	12.00	09/22/25	10/07/25		5D-NW-PL
INSTALL EROSION CONTROL	2.00	09/22/25	09/23/25	NLC EROSION	5D-NW-PL
CLEAR & GRUB	1.00	09/24/25	09/24/25	NLC MISC	5D-NW-PL
INSTALL STORM SEWER	5.00	09/25/25	10/01/25	NLC PIPE	5D-NW-PL
GRADING	3.00	10/02/25	10/06/25	NLC DIRT	5D-NW-PL
SEEDING	1.00	10/07/25	10/07/25	NLC EROSION	5D-NW-PL



TASK filter: All Activities

****

Permit Program

****

Permit Application Coversheet

Date October 01, 2025

Project Name Bulk Silo Terminal **Project Number** 25-27

Applicant Name St. Paul Port Authority,

Type of Development Industrial

Property Description

This project is located at 2145 Childs Road. It's the same location as permit #24-32 where a new barge terminal was installed. The purpose of this current phase is to construct three new silos, a pneumatic system for conveying construction material from the barge facility, and install a new electrical room with transformers. All structures being installed are designed to withstand being inundated with water in an emergency situation. The project is 0.23 acres in size but triggered a permit due to rule D (flood control) and rule E (erosion and sediment control). Similar to permit #24-32, this project has included a variance request for fill in the floodplain without compensatory storage. Sufficient modeling/calculations to demonstrate no increase in the flood elevation as a result of this project has been submitted, as well as a FEMA No-Rise certificate. The DNR and U.S.Army Corps of Engineers have reviewed and approved the project for impacts to the river.

Watershed District Policies or Standards Involved:

- ☐ ***Wetlands***
- ☑ ***Erosion and Sediment Control***
- ☐ ***Stormwater Management***
- ☑ ***Floodplain***

Water Quantity Considerations

The proposed site plan is sufficient to demonstrate no increase in the 100-year flood elevation.

Water Quality Considerations

Short Term

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

Long Term

There are no long term water quality concerns.

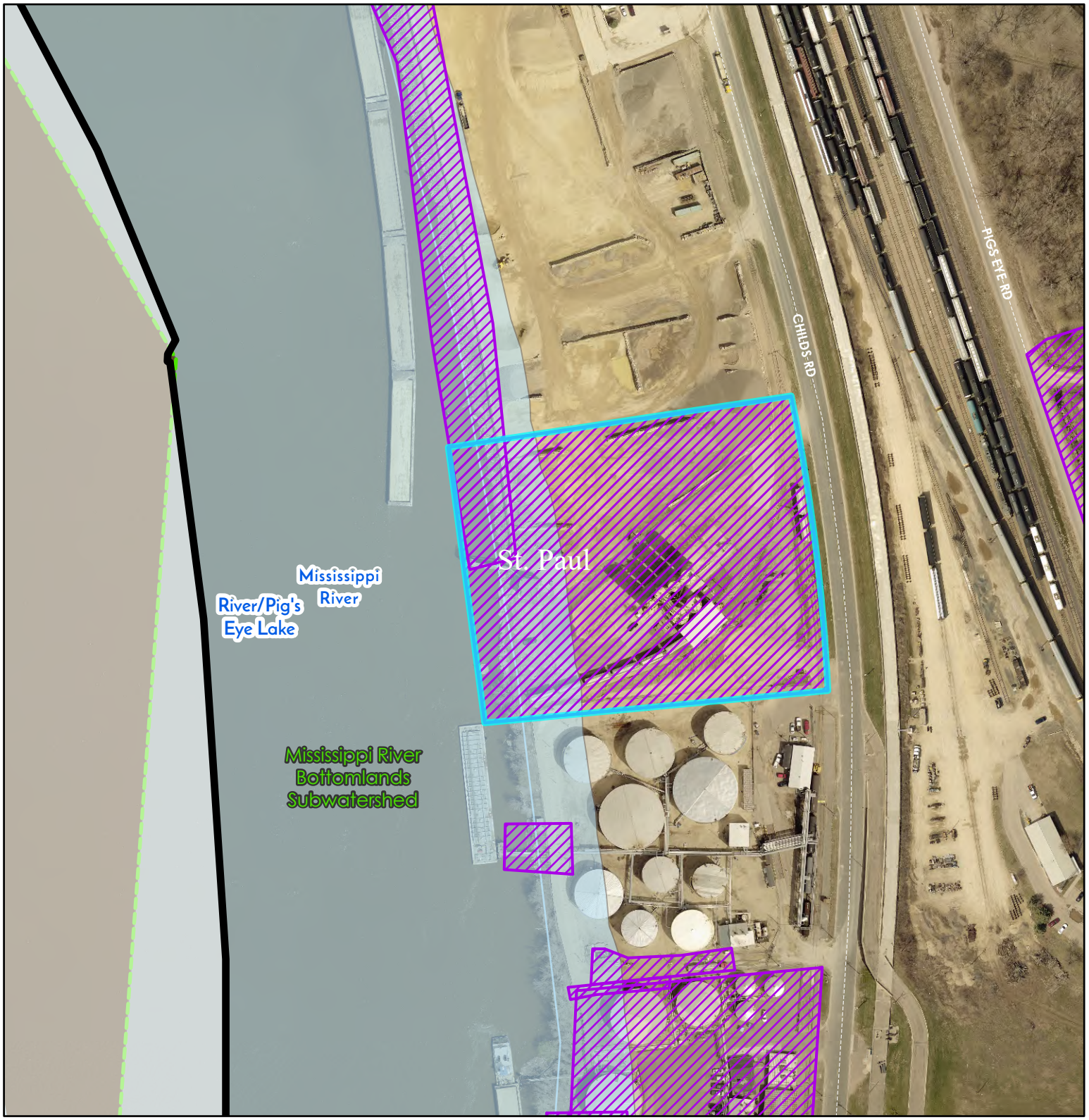
Staff Recommendation

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

Attachments:

- ☑ **Project Location Map**
- ☑ **Project Grading Plan**

#25-27 - Bulk Silo Terminal



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

- Roads
- Permits
- Cities
- Subwatersheds
- Lakes
- RWMWD Boundary

Shaded area is outside RWMWD

Highlighted Areas Represent Active Permit

Miles
0 0.04 0.09

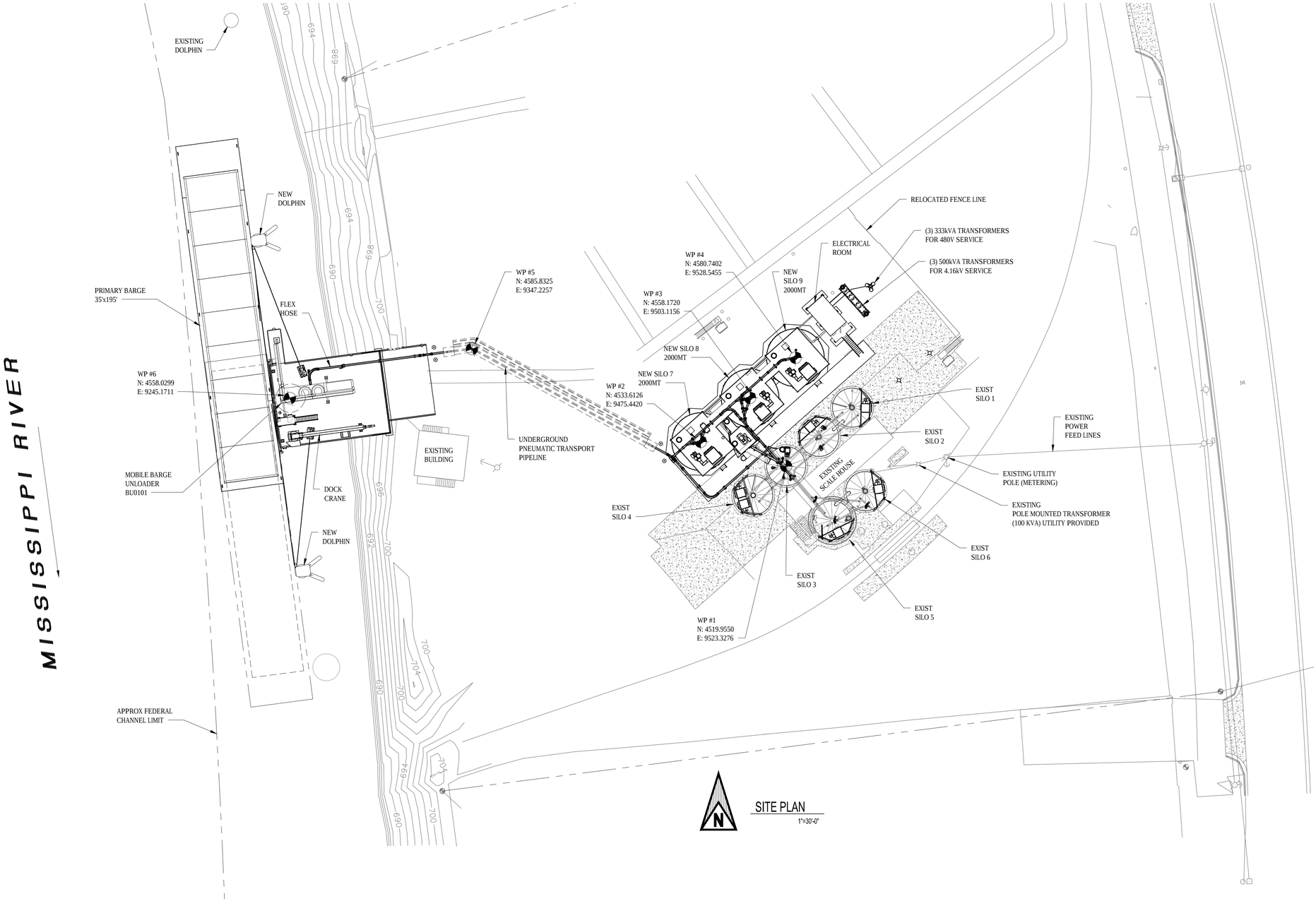
US Feet
0 200 400

N

25-27

Special Provisions

1. The applicant shall depict on the erosion control plan and legend a signed location for concrete washout that is placed at least 300 ft from the river's edge, as indicated in the SWPPP.
2. The applicant shall submit final signed plans.
3. The applicant shall provide the contact information and proof of certification for the erosion control coordinator responsible for implementing the SWPPP on site.



SITE PLAN
1"=30'-0"

0 50' 100' 150'

March 27, 2020
ISSUED FOR BID

PRELIMINARY
NOT FOR CONSTRUCTION

DOCUMENT NO: 7448100-70210-00101

NO.	BY	REVISION	CHK'D	APP'D	DATE
D	JSB	ISSUED FOR BID	PVW	SDP	27MAR20
C	JSB	ISSUED FOR EQUIPMENT BID	PVW	SPG	08NOV19
B	JSB	ISSUED FOR REVIEW	JKW	SPG	15MAY19
A	JSB	ISSUED FOR PORT AUTHORITY USE	SDP	TKR	28FEB19

EDG CONSULTING ENGINEERS

CLIENT	-	-
PROJECT	-	-
CHECK	-	-
DRAFT	EDS	14SEPT17

THE BULK SILO, LLC

ST. PAUL TERMINAL EXPANSION

SITE PLAN

JOB NO.	7448.100	DWG. NO.	SP-101	D

AMI
Consulting Engineers P.A.

September 17, 2025

Ramsey-Washington Metro Watershed District
2665 Noel Drive
Little Canada, MN 55117

Re: Floodplain Storage Variance Memo
Barge Terminal 1 Construction
2145 Childs Road
St. Paul, MN 55106
AMI Project # 231128

To Whom it May Concern,

This variance request and supporting narrative is being submitted to the RWMWD for the Bulk Silo, LLC Terminal Upgrade project. The St. Paul Port Authority (SPPA) is requesting a floodplain compensatory storage variance allowing for land disturbance to occur within the 100-year floodplain without compensatory storage. This request is triggered by RWMWD Rule D due to the proposal of alteration and placement of fill with the 100- floodplain as well as RWMWD Rule F due to the project impacting greater than 1,000 sqft disturbance adjacent to a surface water.

Project Information-

The landside infrastructure currently includes six bulk material silos, one scale house and train tracks. The site also includes portions of impervious surfaces as well as a metal structure used to access the top of semi-trailers for opening and closing hatches. The silos are connected to shoreline infrastructure via pneumatic pipes. The pipes are utilized for moving material from barges to the silos. The existing conditions can be seen in Figure 1.

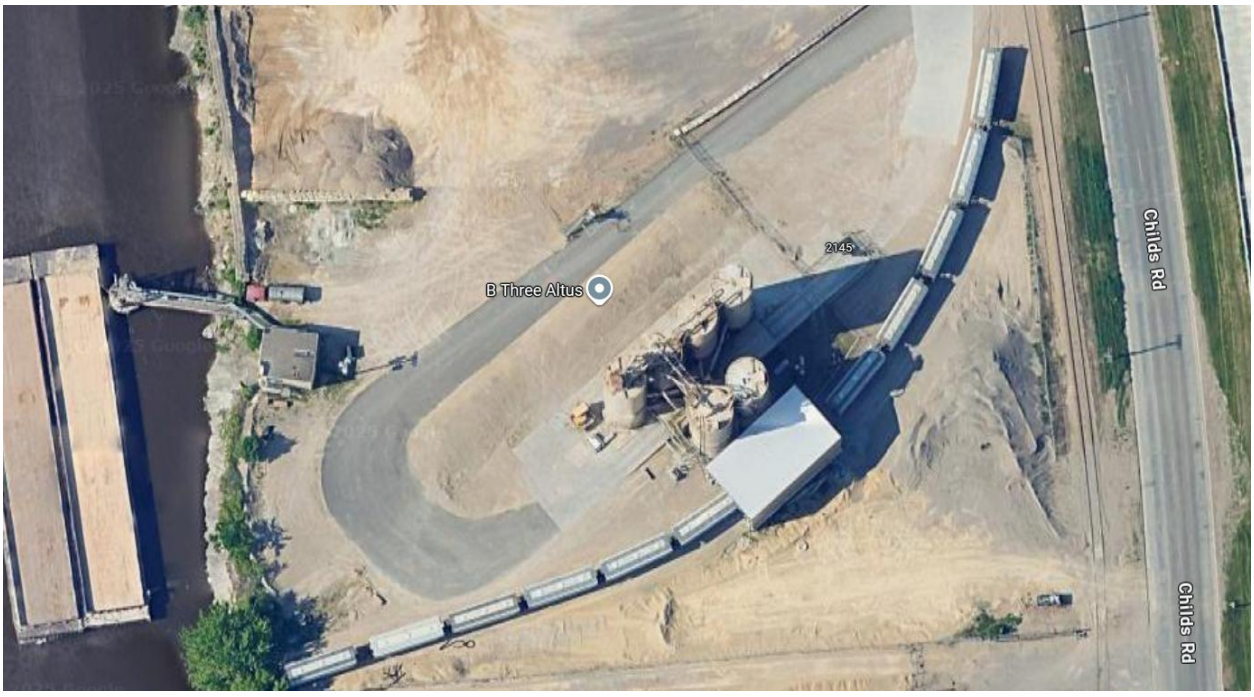


Figure 1: Existing Conditions

Purpose of the Project-

The purpose of the project is to construct three additional storage silos (built on a platform) at the facility along with a new pneumatic system for moving construction material from the new barge facility (built summer of 2025) to the existing and new storage silos. A new electrical room and transformers will also be installed at the site.

91 MAIN STREET
SUPERIOR, WI 54880
PH: (715) 718-2193
FAX: (877) 761-7058

Contact

If you have any questions or comments, please contact me by phone at (715) 718-2193 Ext 49, or via email at Jordan.vargas@amiengineers.com.

Respectfully Submitted

Jordan Vargas
Water Resource Specialist

Permit Application Coversheet

Date October 01, 2025

Project Name Woodbury Public Safety Building Redevelopment **Project Number** 25-28

Applicant Name Kristin Seaman, City of Woodbury

Type of Development Institutional

Property Description

This project is located at 2100 Radio Drive at the existing Woodbury public safety building. The applicant is proposing to redevelop the campus to include a new building, associated parking, trails and stormwater features. An iron enhanced filtration basin and underground filtration system will be installed to meet Rule C (stormwater management). Pretreatment includes sumped manholes and an isolator row. A wetland was delineated with boundaries approved in 2024 (#24-23 WCA). The current building and sidewalk are within the Manage B wetland's 50' buffer, and proposed site improvements also fall within the buffer. A variance request to rule E (wetlands) is included in the request. Temporary impacts are anticipated for grading and silt fence placement. These areas will be restored with a native seed mix. Permanent impacts are anticipated for trail connections and building access. However, the total impervious area within the buffer is reduced by 1,800 SF in proposed conditions compared to existing conditions. Rule D (flood control) is triggered due to 140 CY of fill in the floodplain proposed for providing rear low entry drive access. 144 CY of compensatory storage will be provided on site to ensure there is no net fill. The project is working with our Stewardship Grant program for the potential use of heated sidewalks to reduce the need for salt in winter months.

Watershed District Policies or Standards Involved:

- ☑ ***Wetlands***
- ☑ ***Erosion and Sediment Control***
- ☑ ***Stormwater Management***
- ☑ ***Floodplain***

Water Quantity Considerations

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

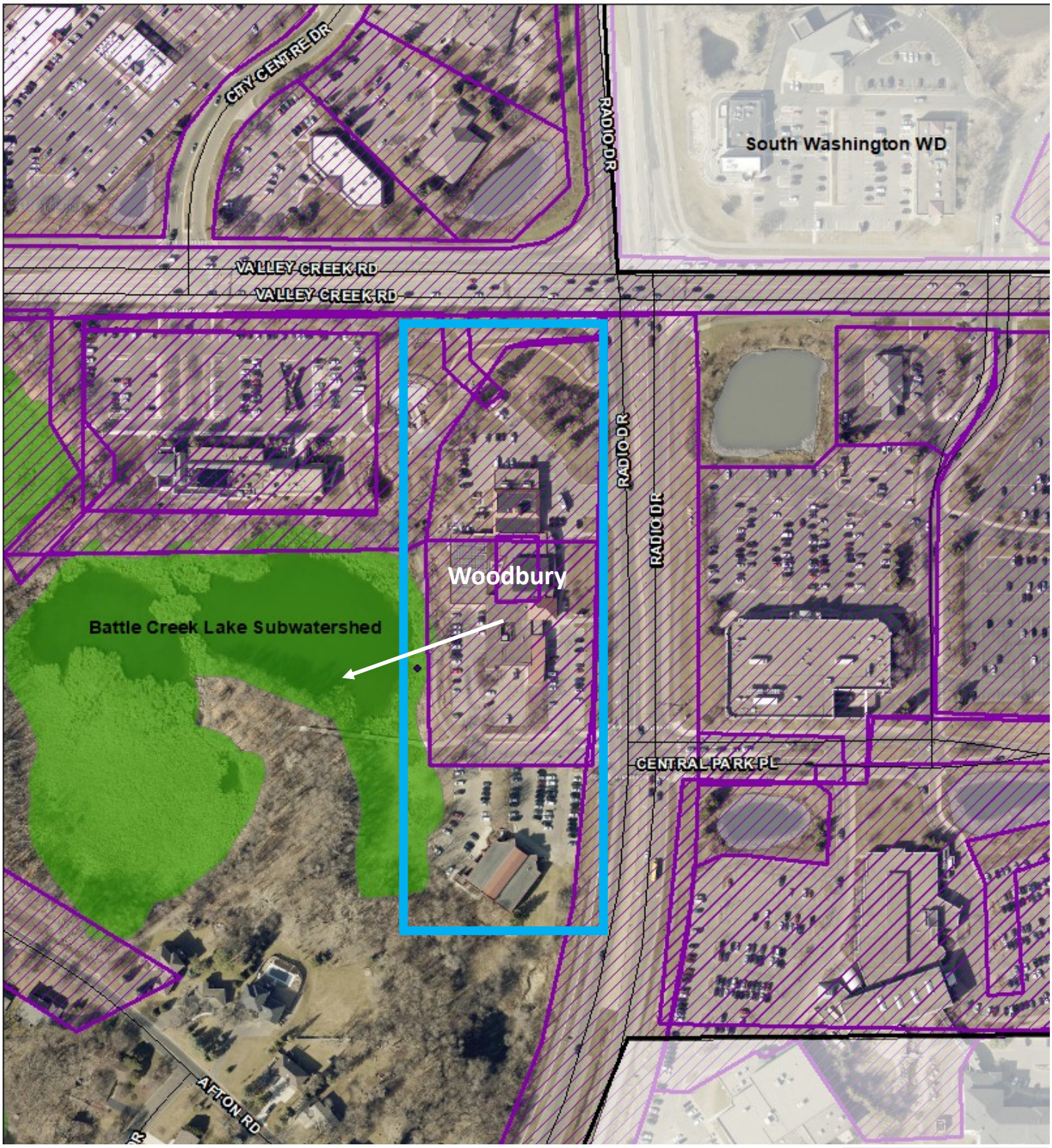
Staff Recommendation

Staff recommends approval of this permit and variance request with the special provisions.

Attachments:

- ☑ **Project Location Map**
- ☑ **Project Grading Plan**

#25-28—Woodbury Public Safety Building Redevelopment



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

- Flow Arrows
- Roads
- Permits
- Cities
- Subwatersheds
- RWMWD Boundary

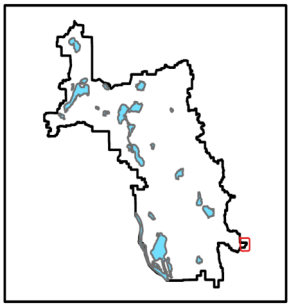
Shaded area is outside RWMWD

Highlighted Areas Represent Active Permit

Miles: 0 — 0.05 — 0.1

US Feet: 0 — 250 — 500

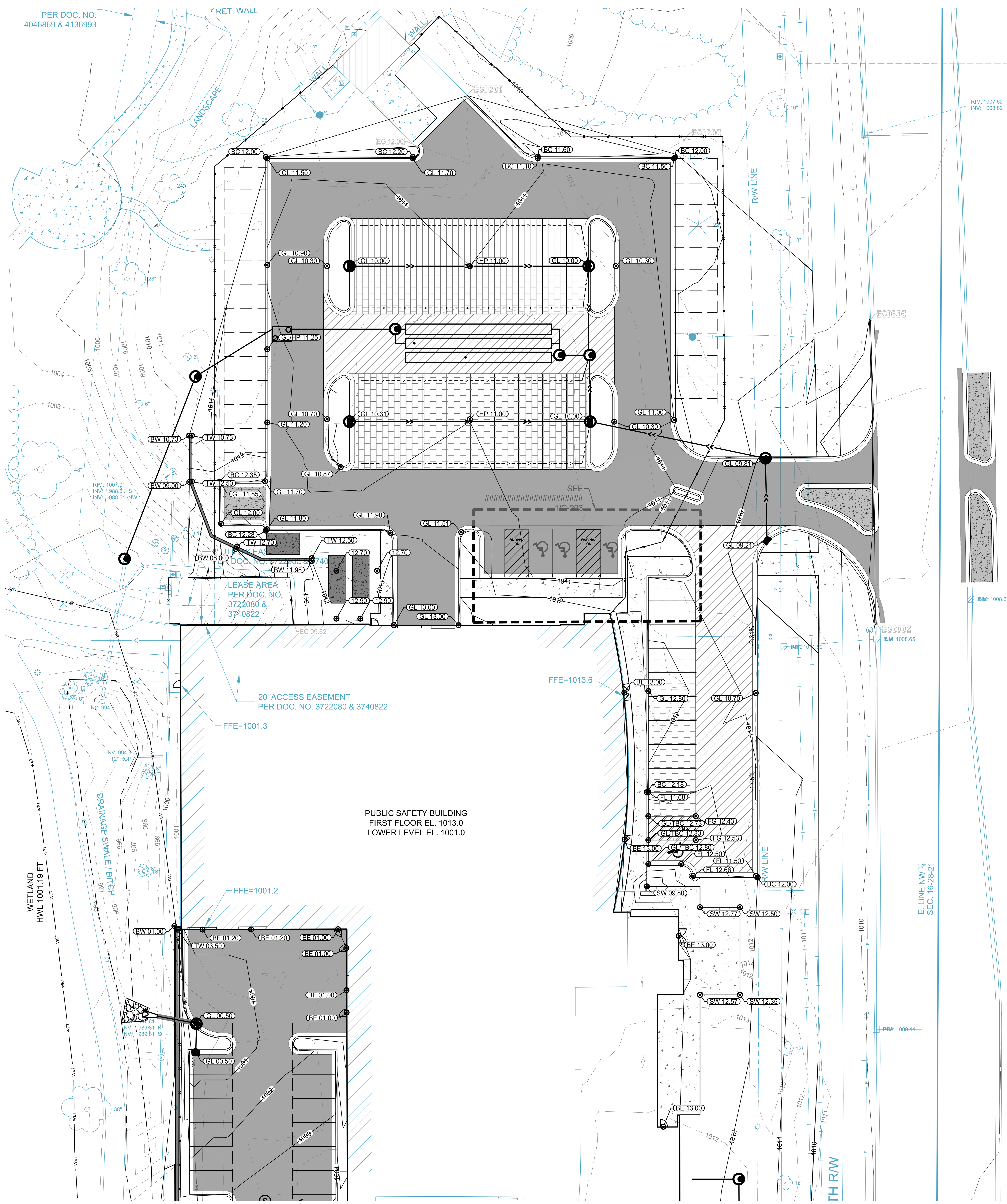
N



25-28

Special Provisions

1. The applicant shall submit final signed plans.
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 provide the contact information and proof of certification for the erosion control coordinator responsible for implementing the SWPPP on site.



LEGEND

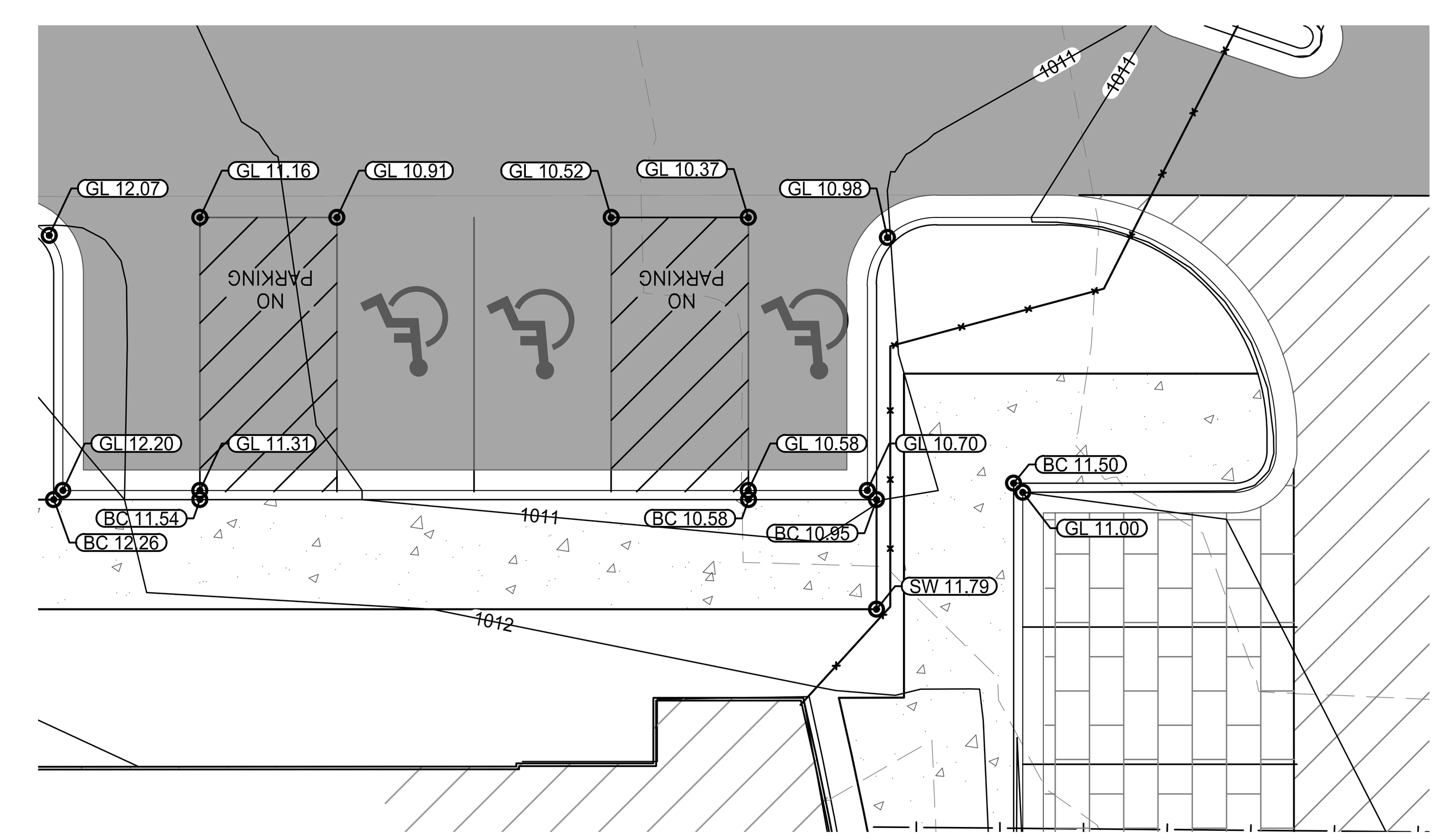
- CONSTRUCTION LIMITS
- PROPERTY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- PROPOSED RETAINING WALL
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE
- PROPOSED DRAIN TILE
- EXISTING FENCE
- 09.77 PROPOSED SPOT ELEVATION
- EG 10.00 EXISTING SPOT ELEVATION
- WETLAND BUFFER

ABBREVIATIONS

SW	EDGE OF CONCRETE SIDEWALK
TC	TOP BACK OF CURB
GL	CURB FLOWLINE
LP	LOW POINT
HP	HIGH POINT
FFE	FIRST FLOOR ELEVATION
BFE	BOTTOM FLOOR ELEVATION
FG	FINISH GRADE
TW	GRADE AT TOP OF WALL
BW	GRADE AT BOTTOM OF WALL
EP	EDGE OF PAVEMENT
TD	TRENCH DRAIN
DS	DOWNSPOUT
ME	MATCH EXISTING
BE	BUILDING ENTRANCE

GRADING NOTES:

1. THE PROPOSED GRADES SHOWN ON THE GRADING PLAN ARE FINISHED GRADES.
2. GRADING ACTIVITY WHICH BLOCKS TRAFFIC OF ANY STREET, ALLEY, OR DRIVE IS SUBJECT TO APPROVAL BY THE CITY.
3. CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER AND OWNER IF CONTAMINANTS ARE FOUND IN THE EXISTING SOILS.
4. IN AREAS WHERE NEW FILL IS TO BE PLACED ON SLOPING GROUND, BENCHING THE SURFACE SHALL BE COMPLETED PRIOR TO PLACING THE FILL. BENCHING SHALL BE COMPLETED WHERE SLOPES ARE STEEPER THAN 4:1 (HORIZONTAL:VERTICAL).
5. PROVIDE POSITIVE DRAINAGE AT ALL TIMES WITHIN THE CONSTRUCTION AREA. DO NOT ALLOW WATER TO POND IN EXCAVATION AREAS, AND MAINTAIN ALL EXISTING DRAINAGE PATTERNS.
6. UNLESS OTHERWISE NOTED, FINISH GRADE SHALL BE SIX INCHES BELOW FINISHED FLOOR IN NON-PAVED AREAS. GRADE SHALL SLOPE AWAY FROM BUILDING STRUCTURES AT FIVE PERCENT FOR A MINIMUM DISTANCE OF TEN FEET IN UNPAVED AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH ALL OSHA REGULATIONS IN THE EXECUTION OF WORK UNDER THIS CONTRACT.
8. THE CONTRACTOR SHALL ADJUST TO GRADE ALL MANHOLE STRUCTURES AND APPURTENANCES THAT FALL WITHIN THE LIMITS OF THIS CONTRACT. THE CONTRACTOR SHALL KEEP ALL SAID EXISTING UTILITIES AND THEIR APPURTENANCES FREE OF DEBRIS AND OPERABLE AT ALL TIMES DURING CONSTRUCTION.
9. REFER TO SHEET C-201 FOR ALL EROSION CONTROL MEASURES.



1 C-301 ENLARGED SITE PLAN DETAIL
SCALE: 1"=10'

Woodbury Public Safety Facility

2100 Radio Drive
Woodbury, MN 55125

City of Woodbury
8301 Valley Creek Rd
Woodbury, MN 55125

Revisions

Description	Date	Num

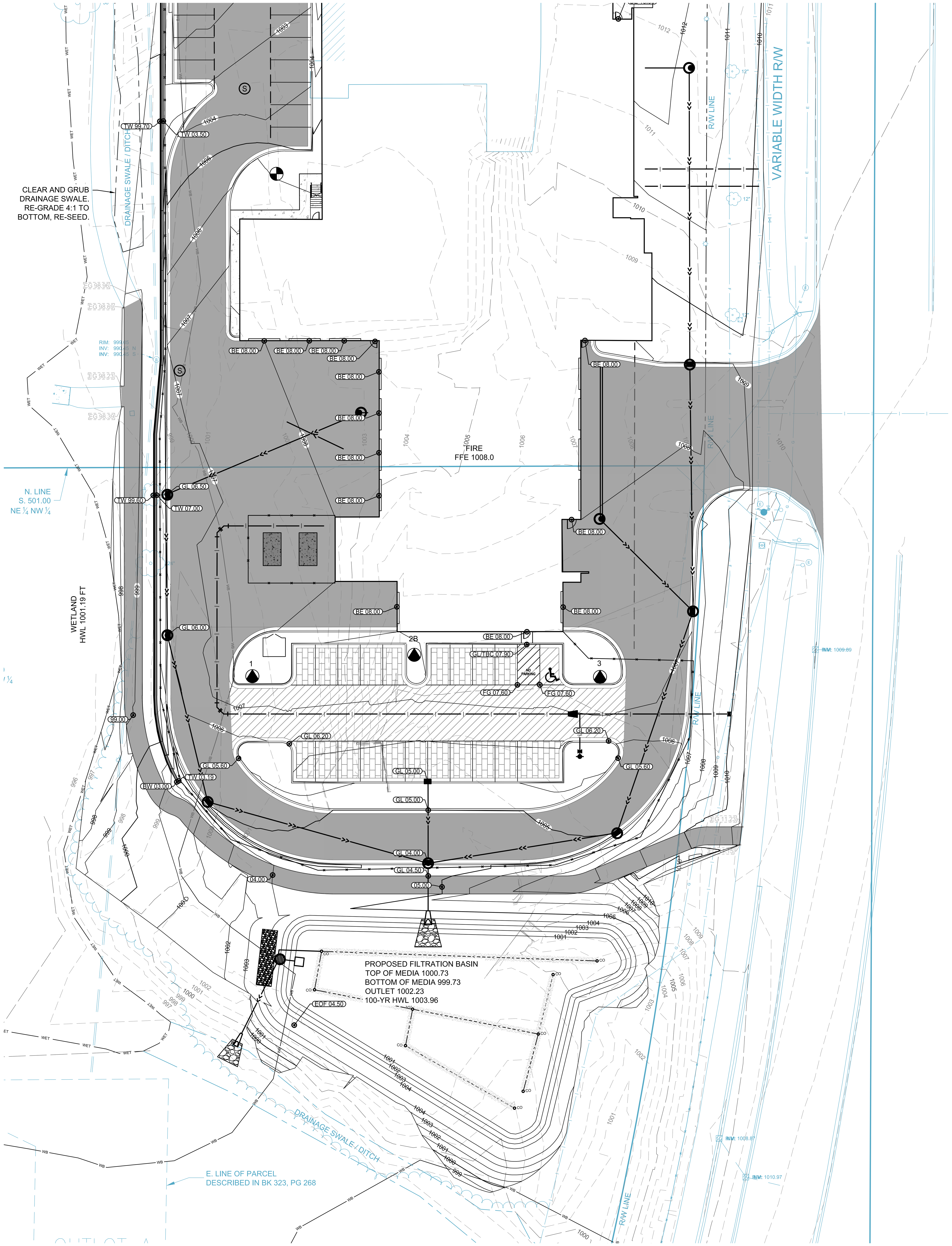
Comm: 242107
Date: 02/21/2025
Drawn: SJR
Check: VJV

GRADING PLAN - NORTH

Scale:

DESIGN DEVELOPMENT
NOT FOR CONSTRUCTION

C-301



0 20 40
SCALE IN FEET

LEGEND

- CONSTRUCTION LIMITS
- PROPERTY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING CONTOUR (MAJOR)
- EXISTING CONTOUR (MINOR)
- PROPOSED CONTOUR (MAJOR)
- PROPOSED CONTOUR (MINOR)
- PROPOSED RETAINING WALL
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- EXISTING STORM SEWER
- EXISTING STORM STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE
- PROPOSED DRAIN TILE
- EXISTING FENCE
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- WETLAND BUFFER

NOTE:
SEE SHEET C-301 FOR GRADING PLAN NOTES AND ABREVIATIONS

Woodbury Public Safety Facility

2100 Radio Drive
Woodbury, MN 55125

City of Woodbury
8301 Valley Creek Rd
Woodbury, MN 55125

Revisions

Description	Date	Num

Comm: 242107
Date: 02/21/2025
Drawn: SJR
Check: VJV

GRADING PLAN - SOUTH

Scale:

DESIGN DEVELOPMENT
NOT FOR CONSTRUCTION

C-302

Memorandum

To: Ramsey-Washington Metro Watershed District

From: Earth Evans, PE
Sarah Risius

Date: 9/22/2025

Re: Wetland Buffer Variance Request
Woodbury Public Safety
WSB Project No. 027308-000

The City of Woodbury is proposing to redesign their public safety facility located west of Radio Drive and south of Valley Creek Road. The redesign is proposing a trail and part of the parking lot to be located within the buffer. This memo summarizes the request for a Rule E wetland buffer variance exemption for wetland buffer impacts. The 50' wetland buffer average to the wetland on the west side of the facility is unable to be met due to site constraints and existing conditions.

Project Overview
A wetland delineation was completed in October 2024. The TEP findings were approved on October 10th, 2024, to confirm there is a wetland to the west, an incidental wetland south of the project and a drainage ditch connecting the two wetlands.

The existing building, parking lot, and trail on site have approximately 25 ft and less separation from the buffer to the existing impervious and are all located within the 50 ft wetland buffer.

Purpose and Need
A trail is proposed within the buffer to maintain connectivity to Radio Drive. The existing trail that follows the wetland cuts through the parking lot of the Public Safety property. The proposed building expansion blocks this route and a short segment of trail is required within the buffer to reconnect the trail to Radio Drive. Given the existing trail is located within the wetland buffer, this is the only feasible alignment for the trail to be located partially within the buffer.

The Public Safety building improvements are part of the City's capital improvement plan and include expansion and retrofits to the existing buildings. The south building, a part of which is in the wetland buffer, will be removed. Parking will be reconfigured with improvements to the building and stormwater BMPs are being constructed to provide water quality treatment for the reconstructed impervious to meet regulatory requirements. This is a significant improvement as the south portion of the Public Safety property discharges directly to the wetland with no treatment.

The existing entry on west side of the Public Safety building will remain. This low entry does not have adequate freeboard to the 100-year, 24-hour HWL of the adjacent wetland. A wall is proposed along the west side of the property, within the wetland buffer, to provide freeboard to the low entry. This is required by both City ordinance and RWMWD requirements. The access road to the west entry will be reconstructed. It is not feasible to relocate or narrow this access road as it is utilized by emergency vehicles.

701 XENIA AVENUE S | SUITE 300 | MINNEAPOLIS, MN | 55416 | 763.541.4800 | WSBENG.COM

Wetland Buffer Impacts
Per the districts management plan, the wetland has been classified as Manage B and requires an average buffer width of 50 ft. The permanent wetland and temporary impacts to the existing wetland buffer due to the Public Safety improvements total 10,403 square feet, with 6,690 sq ft of permanent impact and 3713 sq ft of temporary impact.

Temporary impacts are as follows:

- A double row of silt fence, totaling 1460 LF is proposed along the wetland edge. The silt fence is required to prevent erosion and sediment from reaching the wetland downstream during construction. City ordinance and MPCA Construction General Permit require the silt fence.
- Temporary grading for the proposed trail and iron enhanced filtration basin 3713 SF. The grading is needed to provide ADA accessible slopes for the proposed trail reconnection and to construct a portion of the maintenance access to the proposed basin. A portion of this area was previously the south building.

Proposed permanent impacts are as follows:

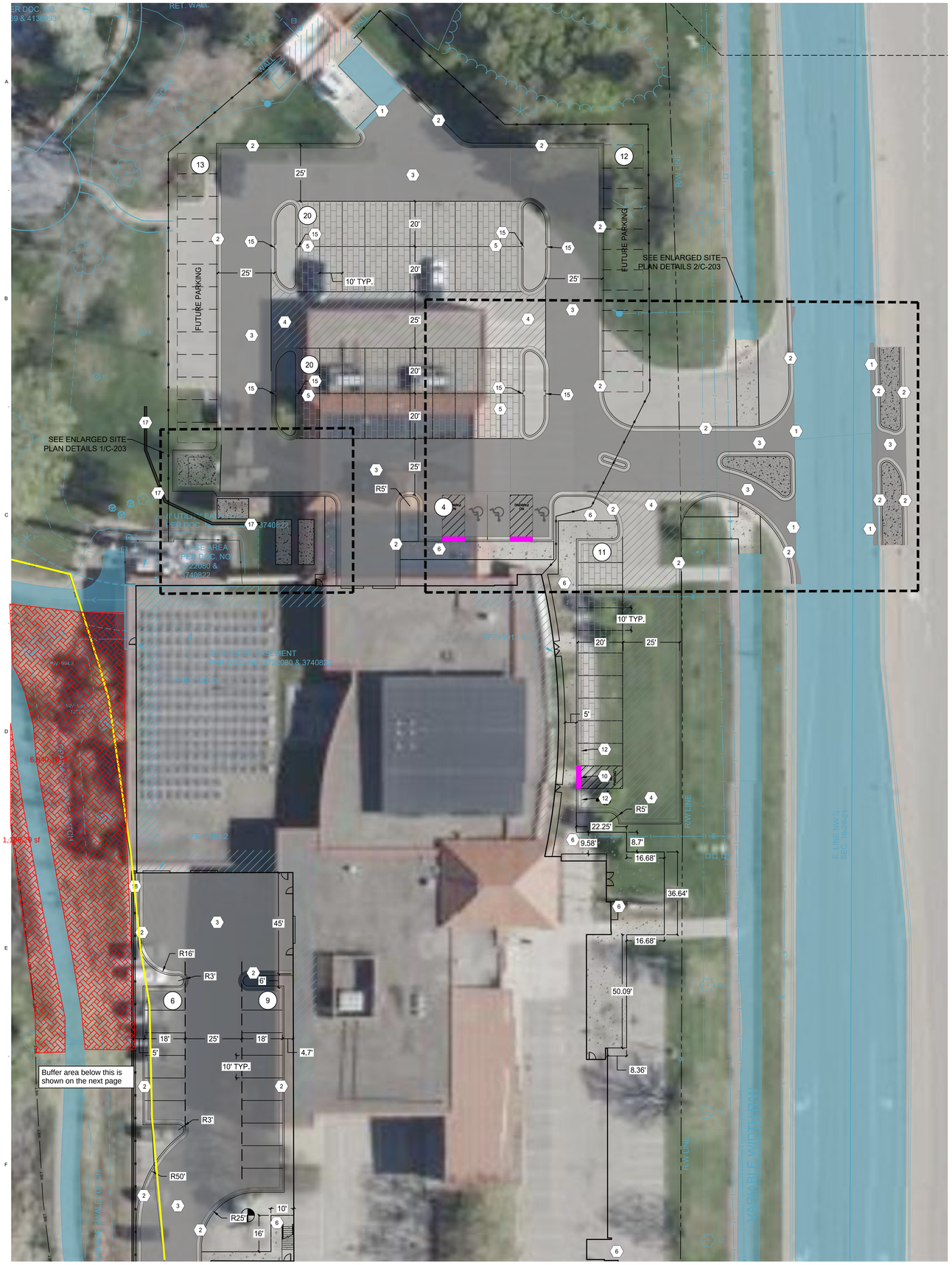
- Proposed trail reconnection 1,545 SF. This only accounts for the proposed trail improvements, not the existing trail that is located within the buffer.
- Access drive within the buffer 5,145 SF. As noted above, this access drive is required to maintain access to the rear of the building low entry and the width cannot be reduced as it is utilized by emergency vehicles. To reduce the grading within the buffer, a wall is proposed.
- The total impervious within the buffer is reduced by 1,800 SF for the proposed condition.

Buffer Restoration
Areas of temporary buffer disturbance are proposed to be seeded with BWSR seed mix 34-261 and will be used for all disturbed areas within the 50’ buffer. Soils that are compacted due to construction will be loosened to a depth of at least 5 inches prior to seeding.

Additionally, invasive species within the existing buffer will be removed.

Water quality treatment is provided prior to discharge to the existing wetland. This is a retrofit of treatment from the existing condition.

Buffer expansion is proposed where feasible, as shown on the attached exhibit. The expanded buffer adds 4,698 SF to the existing buffer and extends along the existing drainage swale on the south side of the Public Safety property.



LEGEND

═	PROPOSED CURB AND GUTTER
▬	PROPOSED RIBBON CURB
━	PROPOSED RETAINING WALL
■	PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
▨	PROPOSED STANDARD DUTY BITUMINOUS PAVEMENT
▦	PERVIOUS PAVERS (REFER TO DETAIL 6/C-501)
░	PROPOSED CONCRETE DRIVEWAY/ WALK (REFER TO DETAIL 2/C-501)
▓	PROPOSED CONCRETE PAVEMENT (REFER TO DETAIL 5/C-501)

SITE PLAN NOTES

1. REFER TO ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR ACTUAL BUILDING DIMENSIONS, STOOP AND RAMP DETAILS.
2. THE CONTRACTOR SHALL CONSTRUCT ALL PAVEMENTS TO CONFORM WITH THE CORRECT LINES AND FINISHED GRADES AS INDICATED ON THE PLANS AND TO MATCH EXISTING PAVEMENT GRADES AT TIE-IN POINTS. NO PONDING OF WATER WILL BE ALLOWED.
3. SAW ALL CONCRETE CONSTRUCTION JOINTS, CLEAN THEM OF DEBRIS, BLOW THEM DRY AND IMMEDIATELY SEAL WITH JOINT SEALANT.
4. REINFORCE ODD SHAPED PAVING PANELS WITH #3 BARS AT 24" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE NOR RECTANGULAR.
5. PARKING QUANTITIES:
   STAFF PARKING 10'x20' STANDARD STALLS - 40
   STAFF PARKING 10'x20' ADA PARKING STALLS - 3
   TOTAL STAFF PARKING STALLS - 43
   PUBLIC PARKING 10'x20' STANDARD STALLS - 11
   PUBLIC PARKING 10'x20' ADA PARKING STALLS - 1
   TOTAL PARKING STALLS - 12

KEYNOTES

1 MEET & MATCH EXISTING PAVEMENT (SEE DETAIL 2/C-501).
2 B618 CURB AND GUTTER (SEE DETAIL 1/C-501).
3 HEAVY DUTY BITUMINOUS PAVEMENT (SEE DETAIL 3/C-501).
4 STANDARD DUTY BITUMINOUS PAVEMENT (SEE DETAIL 4/C-501).
5 PERVIOUS PAVERS (SEE DETAIL x/C-501).
6 CONCRETE SIDEWALK (SEE DETAIL 2/C-501).
7 GENERATOR PAD (SEE MECHANICAL PLANS FOR DETAILS).
8 TRANSFORMER PAD (SEE MANUFACTURER'S SPECIFICATIONS, SEE MECHANICAL PLANS FOR DETAILS).
9 TRASH ENCLOSURE. REFER TO ARCHITECTURAL PLANS.
10 RIBBON CURB AND GUTTER (SEE DETAIL 7/C-501).
11 3 FOOT CURB TRANSITION (SEE DETAIL 6/C-501).
12 10 FOOT CURB TRANSITION (SEE DETAIL 6/C-501).
13 ACCESSIBLE STALL PAVEMENT SYMBOL (SEE DETAIL 8/C-501).
14 STRIPED NO PARKING ISLAND (SEE DETAIL 9/C-501).
15 BITUMINOUS TRAIL (SEE DETAIL 2/C-501).
16 CAST IN PLACE RETAINING WALL (SEE STRUCTURAL PLANS).
17 MODULAR BLOCK RETAINING WALL (SEE DETAIL X/XXX).
18 SECURITY FENCE (SEE DETAIL X/XXX).
19 POND ACCESS ROUTE
20 CHILLER PAD (SEE DETAIL x/C-50x).
21 CHAIN LINK FENCE WITH SCREEN SLATS (SEE x/C-50x).

Woodbury Public Safety Facility

2100 Radio Drive
Woodbury, MN 55125

City of Woodbury
8301 Valley Creek Rd
Woodbury, MN 55125

CITY OF Woodbury

wsb

Revisions		
Description	Date	Num

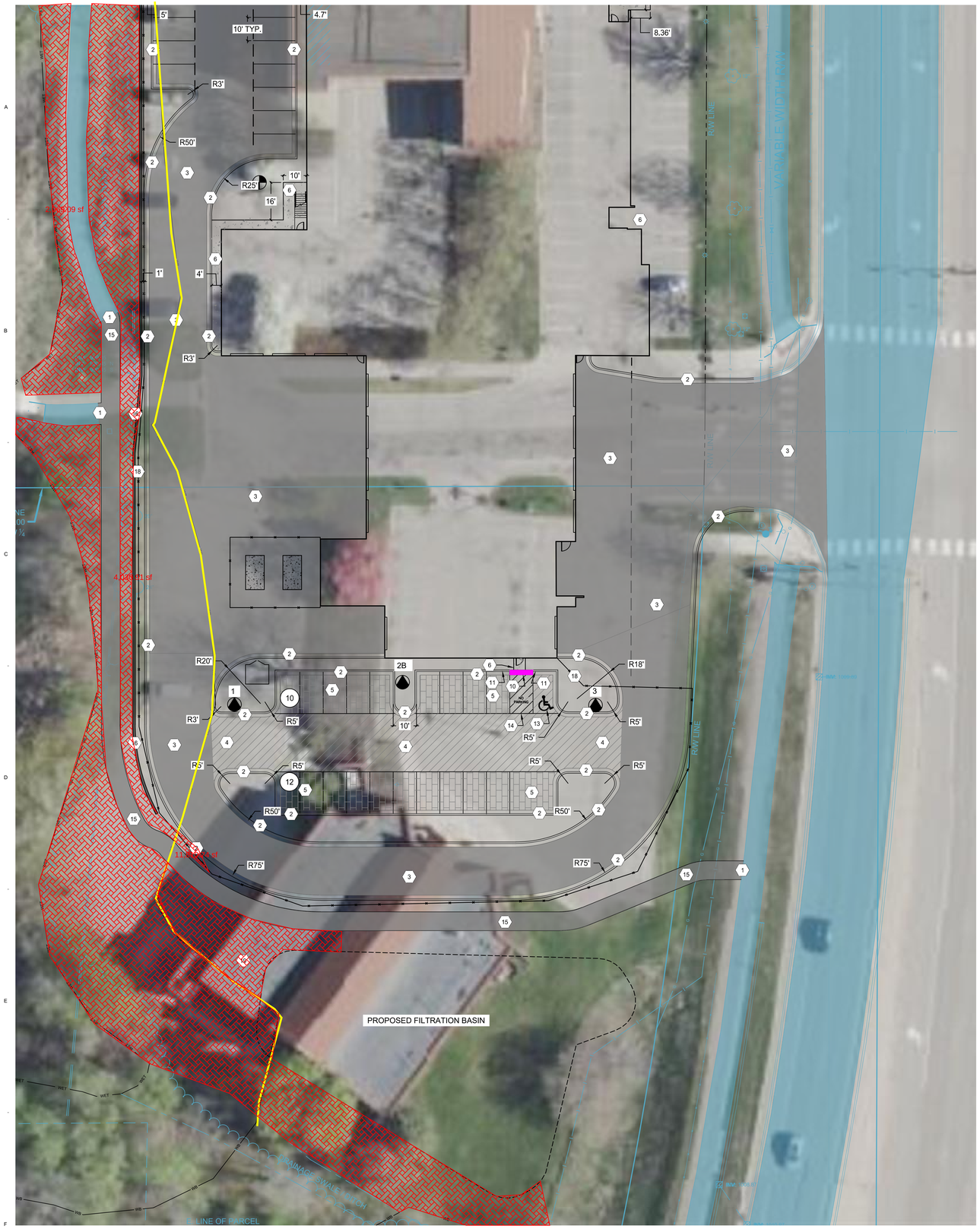
Comm: **242107**
Date: **02/21/2025**
Drawn: **SJR**
Check: **VJV**

SITE PLAN - NORTH

Scale:

DESIGN DEVELOPMENT
NOT FOR CONSTRUCTION

C-201



N

H: 0 20 40
SCALE IN FEET

NOTE:
SEE SHEET C-201 FOR SITE PLAN NOTES

LEGEND

- PROPOSED CURB AND GUTTER
- PROPOSED RIBBON CURB
- PROPOSED RETAINING WALL
- PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
- PROPOSED STANDARD DUTY BITUMINOUS PAVEMENT
- PERVIOUS PAVERS (REFER TO DETAIL 5/C-501)
- PROPOSED CONCRETE DRIVEWAY/ WALK (REFER TO DETAIL 2/C-501)
- PROPOSED CONCRETE PAVEMENT (REFER TO DETAIL x/C-501)

KEYNOTES

1. MEET & MATCH EXISTING PAVEMENT (SEE DETAIL 2/C-501).
2. B618 CURB AND GUTTER (SEE DETAIL 1/C-501).
3. HEAVY DUTY BITUMINOUS PAVEMENT (SEE DETAIL 3/C-501).
4. STANDARD DUTY BITUMINOUS PAVEMENT (SEE DETAIL 4/C-501).
5. PERVIOUS PAVERS (SEE DETAIL x/C-501).
6. CONCRETE SIDEWALK (SEE DETAIL 2/C-501).
7. GENERATOR PAD (SEE MECHANICAL PLANS FOR DETAILS).
8. TRANSFORMER PAD (SEE MANUFACTURER'S SPECIFICATIONS, SEE MECHANICAL PLANS FOR DETAILS).
9. TRASH ENCLOSURE. REFER TO ARCHITECTURAL PLANS.
10. RIBBON CURB AND GUTTER (SEE DETAIL 7/C-501).
11. 3 FOOT CURB TRANSITION (SEE DETAIL 6/C-501).
12. 10 FOOT CURB TRANSITION (SEE DETAIL 6/C-501).
13. ACCESSIBLE STALL PAVEMENT SYMBOL (SEE DETAIL 8/C-501).
14. STRIPED NO PARKING ISLAND (SEE DETAIL 9/C-501).
15. BITUMINOUS TRAIL (SEE DETAIL 2/C-501).
16. CAST IN PLACE RETAINING WALL (SEE STRUCTURAL PLANS).
17. MODULAR BLOCK RETAINING WALL (SEE DETAIL X/XXX).
18. TEMPORARY SECURITY FENCE (SEE DETAIL X/XXX).
19. POND ACCESS ROUTE
20. CHILLER PAD (SEE DETAIL x/C-50x).
21. CHAIN LINK FENCE WITH SCREEN SLATS (SEE x/C-50x).

Woodbury Public Safety Facility

2100 Radio Drive
Woodbury, MN 55125

City of Woodbury
8301 Valley Creek Rd
Woodbury, MN 55125

CITY OF Woodbury

wsb

Revisions		
Description	Date	Num

Comm: 242107
Date: 02/21/2025
Drawn: SJR
Check: VJV

SITE PLAN - SOUTH

Scale:

DESIGN DEVELOPMENT
NOT FOR CONSTRUCTION

C-202

BOARD OF WATER AND SOIL RESOURCES

Minnesota Wetland Conservation Act
Notice of Decision

Local Government Unit: Ramsey-Washington Metro Watershed District (RWMWD) **County:** Washington
Applicant Name: Pete Selb (City of Woodbury) **Applicant Representative:** Dustin Simonson (WSB)
Project Name: Woodbury Public Safety **LGU Project No. (if any):** 24-23 WCA
Date Complete Application Received by LGU: 9/10/2024
Date of LGU Decision: 10/22/2024
Date this Notice was Sent: 10/22/2024

WCA Decision Type - check all that apply

☒**Wetland Boundary/Type** ☐**Sequencing** ☐**Replacement Plan** ☐**Bank Plan (not credit purchase)**
☐**No-Loss (8420.0415)** ☐**Exemption (8420.0420)**
Part: ☐ **A** ☐ **B** ☐ **C** ☐ **D** ☐ **E** ☒ **F** ☐ **G** ☐ **H** **Subpart:** ☐ **2** ☐ **3** ☐ **4** ☐ **5** ☐ **6** ☐ **7** ☐ **8** ☐ **9**

Replacement Plan Impacts (replacement plan decisions only)

Total WCA Wetland Impact Area:
Wetland Replacement Type: ☐ Project Specific Credits: ☐ Bank Credits:
Bank Account Number(s):

Technical Evaluation Panel Findings and Recommendations (attach if any)

☒ Approve ☐ Approve w/Conditions ☐ Deny ☐ No TEP Recommendation

See enclosed TEP Findings dated 10/10/24 as a result of the field review completed on 10/7/24 by Nicole Maras (RWMWD- LGU), Kendra Kloth (RWMWD), Ben Meyer (BWSR), and Dustin Simonson (WSB).

An updated delineation report addressing TEP comments was submitted on 10/17/24.

LGU Decision

☐ Approved with Conditions (specify below)[1] ☒ Approved[1] ☐ Denied

List Conditions:

Decision-Maker for this Application: ☒ Staff ☐ Governing Board/Council ☐ Other:

Decision is valid for: ☒ 5 years (default) ☐ Other (specify):

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

LGU Findings – Attach document(s) and/or insert narrative providing the basis for the LGU decision[1].

☐ Attachment(s) (specify):

☒ Summary: **See TEP Findings.**

[1] *Findings must consider any TEP recommendations.*

Attached Project Documents

☒ Site Location Map ☒ Project Plan(s)/Descriptions/Reports (specify): **Updated Delineation Report 10-17-24**

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

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

☐ Yes[1] ☒ No

[1]*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: **Jay Riggs (Washington Conservation)**	☒ BWSR TEP Member: **Ben Meyer**
☐ LGU TEP Member (if different than LGU contact):	
☒ DNR Representative: **Dan Scollan**	
☒ Watershed District or Watershed Mgmt. Org.: **Kendra Kloth/Mary Fitzgerald (RWMWD)**	
☒ Applicant (notice only):	☐ Agent/Consultant (notice only):

Optional or As Applicable:

☒ Corps of Engineers:	
☐ BWSR Wetland Mitigation Coordinator (required for bank plan applications only):	
☐ Members of the Public (notice only):	☐ Other:

Signature: Nicole Maras	**Date:** 10/22/2024

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

REGULATORY PROGRAM MONTHLY MEMORANDUM

Date: October 1st, 2025

To: Board of Managers and Staff

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

During September 2025:

Number of Inspections	**40**
Number of Violations:	**2**
Remove Sediment from Offsite Areas	1
Install/Maintain Construction Exit	1

Number of inspections in past months:

August	52
July	43
June	44
May	66

Permit Program- Trainings and Coordination Meetings:
Ongoing: Site inspections/reporting, rule guidance assistance & inquiries, Wetland Conservation Act (WCA) administration, permit submittal review with Barr Engineering
9/3 – Wetland mitigation site review re: The Heights
9/4 – Initial erosion control walkthrough at #24-40 Main Event development
9/12 – Initial erosion control walkthrough at #25-20 Irongate Data Center Addition
9/15 – Meeting with North St. Paul re: failing underground BMP inspection findings
9/17 – Watershed Equity Alliance monthly meeting
9/17 – Meeting with Gold Line BRT team re: failing BMPs and retrofit revisions
9/18 – Permit close out walkthrough re: #22-23 and #23-29 Shoreview Deluxe I & II
9/18 – RWMWD 50th Anniversary Celebration
9/23 – RWMWD/Barr underground BMP inspections
9/25 – Stormwater facilities presentation for Roers Companies grounds staff
9/29 – Presenting at UofM Erosion and Stormwater Management "Ask Me Anything" webinar series

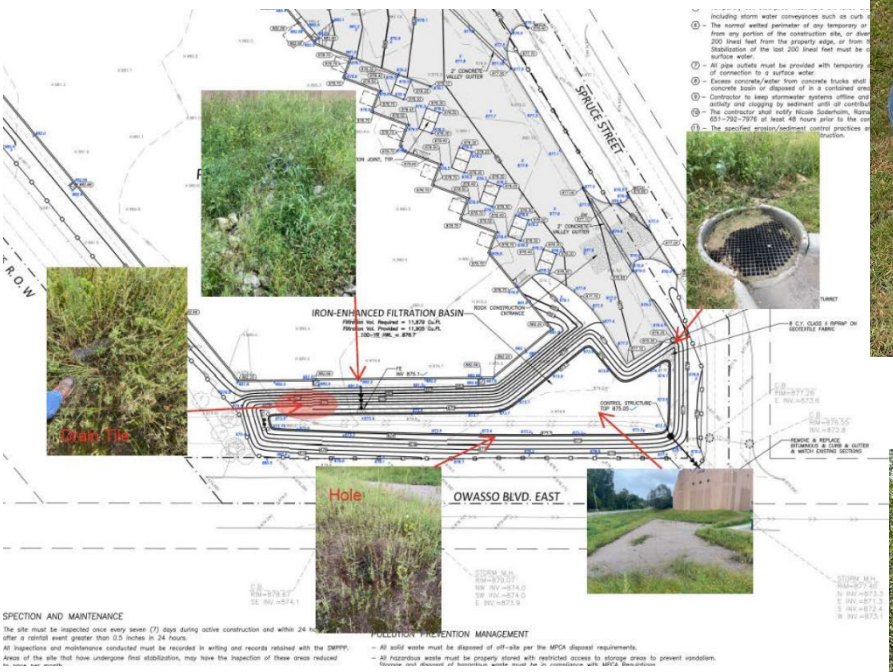
Single Lot Residential Permits Approved by Staff:

None

Permits Closed:
23-21 MWWTP Lab Services Building (St. Paul)

Program Updates:
Communications intern Cooper has been assisting the permit team with a variety of closed permit BMP tasks in the month of September to help Kendra and Mary while they focus on permit administration, active construction and WCA administration. Cooper has been conducting closed permit BMP inspections, sending reminders to public and private landowners of their own self-inspection reporting requirements, and assisting with underground inspections. Below is an example of part of a closed permit BMP inspection report Cooper developed. These reports are sent to the landowner detailing vegetation and structural maintenance needs and deadlines for repair. Photos help to clearly communicate what needs attention, as well as have a record of the condition of the BMP for future inspectors to be able to reference.

Thank you, Cooper, for your help!



23-17 The Heights Wetland Mitigation Site Review
Kendra and Mary attended a TEP field visit with BWSR, Ramsey County, St. Paul and Bolton & Menk on September 3rd to review the two mitigated wetlands on site at The Heights. The purpose of the visit was to determine the quality of the installation of the wetlands and if it was appropriate to commence the 5-year monitoring protocol. Overall, both wetlands had good vegetation growth and proper hydrology and the TEP agreed monitoring could begin. However, the following items were noted as needing special attention:

- Robust protection from adjacent land disturbance activity through the duration of The Heights phased development
- Immediate weed management intervention to allow native species to establish
- Overseeding of bare areas

****

Stewardship Grant Program

****

Stewardship Grant Program Budget Status Update

October 1, 2025

		Last Month	This Month	Last Month	This Month
Homeowner	**Coverage**	**Number of Projects: 37**	**Number of Projects: 40**	**Funds Allocated**	**Funds Allocated**
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share $15,000 Max	18	19	$59,555	$60,555**
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share $15,000 Max	16	18	$138,273	$150,300***
MN Water Steward Project	100% Cost Share $15,000 Max	0	0	$0	$0
Shoreland Restoration	100% Cost Share $15,000 Max	3	3	$45,000	$45,000

		Last Month	This Month	Last Month	This Month
Commercial, School, Government, Church, Associations, etc.	**Coverage**	**Number of Projects: 14**	**Number of Projects: 14**	**Funds Allocated**	**Funds Allocated**
Habitat Restoration	50% Cost Share $15,000 Max	5	5	$51,750	$51,750
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	4	$262,300	$262,300
Non-Priority Area Projects	75% Cost Share $50,000 Max	1	1	$15,000	$15,000
Public Art	50% Cost Share $15,000 Max/Project	0	0	$0	$0
Aquatic Veg Harvest/LVMP Development	50% Cost Share $15,000 Max	1	1	$12,500	$12,500
Enhanced Street Sweeping ($250,000 Reserved)	Varies Cost Share $100,000 Max	3	3	$217,000	$217,000

Maintenance	50% Cost Share $7,500 Max for 5 Years	79	81	$72,073	$73,740
Consultant Fees				$51,513	$53,756
Total Allocated				**$924,963**	**$941,901**

**includes funds to be approved at current board meeting*
*** includes staff approvals since previous board meeting*

2025 Stewardship Grant Program Budget		
	Last Month	This Month
Budget	$1,250,000	$1,250,000
Total Funds Allocated	$924,963	$941,901
Total Available Funds	**$325,038**	**$308,100**

****

Action Items

****

Request for Board Action

Board Meeting Date: October 1, 2025 **Agenda Item No:** 7A

Preparer: Tina Carstens, Administrator

Item Description: Kohlman In-Lake Alum Treatment Accept Plans & Solicit Bids

Background:
See the attached memo for more information on the Kohlman In-Lake Alum Treatment project.

This project was discussed in our 2026 budget as a standalone Kohlman In-Lake Alum Treatment fund. The estimated 2026 costs were budgeted there and the current engineer's opinion of the probable project application cost is $345,000. Following approval at this meeting, the bidding process will be followed by the selection of a contractor, which will be presented to the board for approval in November.

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 or assist in implementing projects and/or programs recommended in total maximum daily load studies, watershed restoration and protection strategy studies, or other District studies.

Staff Recommendation:
Staff recommends approval of the preliminary design, estimated costs, and proposed project schedule, and directs staff to finalize the design and bidding documents and solicit bid proposals.

Financial Implications:
This project has been planned in our 2026 proposed budget and levy.

Board Action Requested:
Approve the preliminary design, estimated costs, and proposed project schedule, and direct staff to finalize the design and bidding documents and solicit bid proposals.

Technical Memorandum

To: Ramsey-Washington Metro Watershed District Board of Managers
From: Barr Engineering Co. (Tyler Olsen and Erin Anderson Wenz)
Subject: Kohlman Lake Alum Treatment Recommendations
Date: September 24, 2025
Project: 23621546
c: Tina Carstens, Paige Ahlborg, Eric Korte, Paul Erdmann, Kevin Menken, Joe Bischoff, Keith Pilgrim

This memorandum summarizes the work that has been completed to date to calculate an alum dose for Kohlman Lake and requests the Ramsey-Washington Metro Watershed District (RWMWD) Board to approve the advertisement of the project for public bids. Below is a summary of the data available for Kohlman Lake, recommended alum dose, application strategy alternatives, and cost estimates for each alternative.

1 Background and Data Collection

Water quality in Kohlman Lake has declined in recent years, primarily due to internal phosphorus loading from lake sediments and loss of aquatic vegetation. The last alum treatment occurred in 2010, and its effectiveness has diminished. Barr collected the following data to confirm the in-situ phosphorus release rates from the sediments, the maximum internal loading potential of the sediment, and other information to assist in calculating an alum dose:

- Sediment Phosphorus Fractionation: Barr has measured sediment phosphorus fractions in Kohlman Lake sediment samples several times over the past 15 years since the last alum treatment. Barr measured the phosphorus fractions on sediment samples from recent years (2020 and 2023, spatially varied across the lake), which showed a moderate to high potential phosphorus release, based on regression equations developed by Pilgrim et al. (2007).
- Release Rate Experiments: Barr conducted phosphorus release rate experiments on sediment cores taken from Kohlman Lake in June 2025 to validate the estimated release rates calculated from the sediment phosphorus fractionation data. The release rate experiment results from the Kohlman Lake sediment cores are shown in Figure 1-1 and the core locations are shown in Figure 1-2. The results show the accumulation of soluble reactive phosphorus in each column over time under anoxic conditions. Three replicate cores were taken from three different parts of the lake that represent varying depths. The results show that the deep and medium depths have higher release rates (i.e., more accumulation of phosphorus in the sediment of these areas), which is typical for lakes.
- Buffering Assessment/Titration: Barr performed a titration of lake water with alum to determine the allowable maximum dose of alum that would maintain lake pH at an acceptable level (above pH 6). Barr concluded that this maximum dose is 16 mg/L, which does not suggest that the lake has a high buffering capacity.
- Macrophyte Data: Ongoing Ramsey County surveys (2024, 2025) track plant community and invasive species (curlyleaf pondweed [CLP]) presence in Kohlman Lake, to inform macrophyte management activities prior to and after Kohlman Lake's alum treatment. CLP is an invasive macrophyte which can contribute to the phosphorus load within a lake as it dies and decays each

year. The macrophyte data collected in 2025 and future invasive species management is discussed more in Section 4.

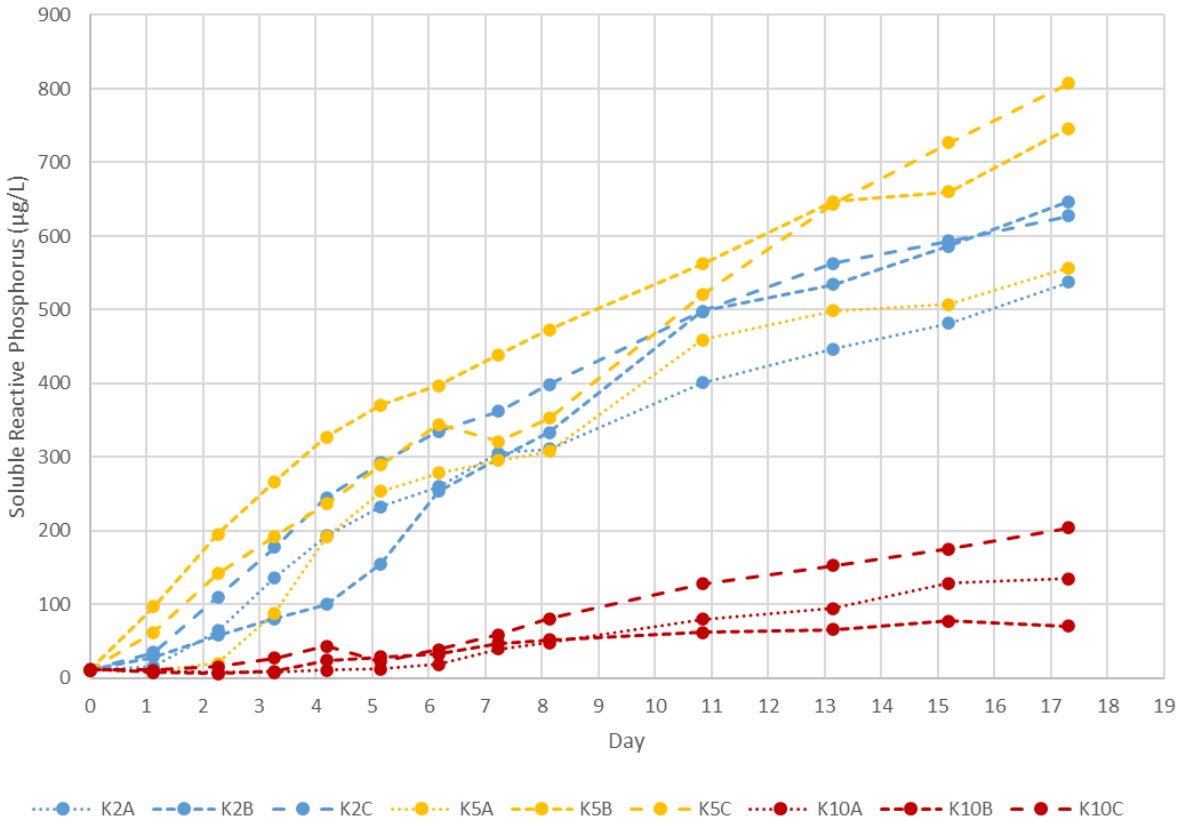
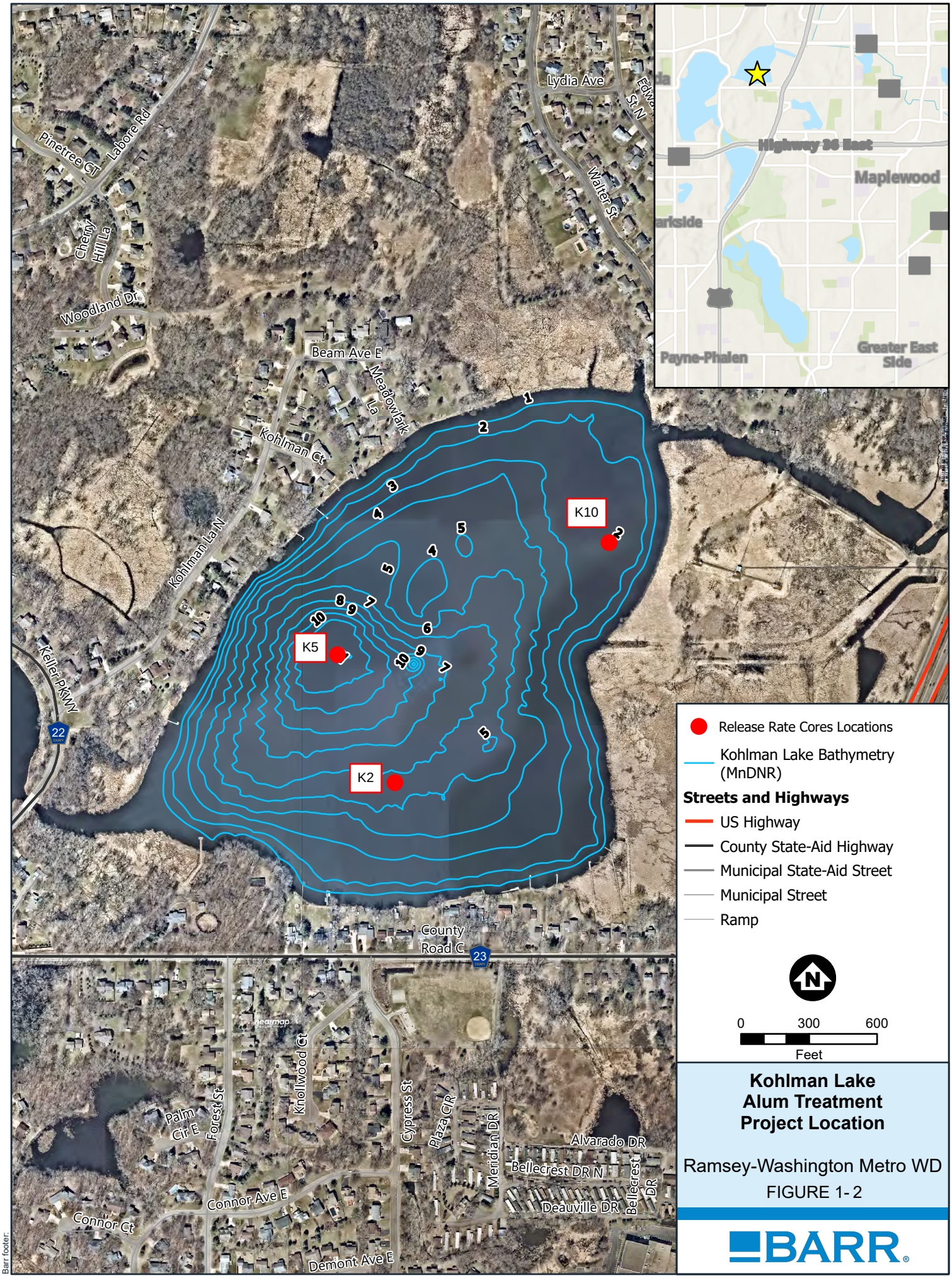


Figure 1-1 Kohlman Lake Sediment Release Rates (K2 = Medium Depth; K5 = Deep; K10 = Shallow). A, B, and C represent replicate cores taken from the same locations.


Lydia Ave
Pinetree Ct
Labore Rd
Cherry Hill La
Woodland Dr
Walter St
Beam Ave E
Meadowlark La
Kohlman Ct
Kohlman La N
K10
K5
K2
Keller Pkwy
22
County Road C
23
Palm Cir E
Forest St
Knollwood Ct
Cypress St
Plaza Cir
Meridian DR
Alvarado DR
Bellecrest DR N
Deauville DR
Bellecrest DR
Connor Ave E
Connor Ct
Demont Ave E
Highway 36 East
Maplewood
Payne-Phalen
Greater East Side
Release Rate Cores Locations
Kohlman Lake Bathymetry (MnDNR)
Streets and Highways
US Highway
County State-Aid Highway
Municipal State-Aid Street
Municipal Street
Ramp
N
0
300
600
Feet
Kohlman Lake
Alum Treatment
Project Location
Ramsey-Washington Metro WD
FIGURE 1- 2
BARR

Barr footer:

2 Alum Dose Calculation

Barr utilized the information summarized in Section 1 to calculate the alum dose required to inactivate internal phosphorus loading in Kohlman Lake.

The sediment data showed that the highest sediment phosphorus release comes from areas that are greater than 2-feet in depth in the lake. This area represents about 66.3 acres, or about 80% of the total lake area. Using a ratio of aluminum to phosphorus (Al:P) of 90% (James and Bischoff, 2015) and a representative mobile-P (which represents loosely-sorbed P and iron-bound P in the sediment) concentration in the sediments (selected from evaluating the spatial sediment P fractionation results across the lake), an integrated alum dose of 150 g/m^2 was calculated using the following equation.

$$\textbf{Mobile Phosphorus} \times \textbf{Wet Bulk Density} \times \textbf{Percent Solids} \times \frac{\textbf{Aluminum}}{\textbf{Phosphorus}} = \textbf{Integrated Aluminum Dose}$$

Mobile-P is used to calculate the alum dose, as this fraction of P in the sediments is what can be released into the water column under anoxic conditions. Organic P can also be released into the water column, but at a much slower rate and longer timespan. An alum treatment would prevent both mobile-P and organic-P from releasing into the water column. For the area representing greater than 2-feet in depth, this equates to approximately 90,734 pounds of aluminum. Based on the titration work and its conclusion that the maximum allowable aluminum dose is 16 mg/L in the lake, a buffered application is needed given the total amount of aluminum needed to achieve the ultimate dose of 150 g/m^2.would cause unfavorable pH conditions in the lake. The buffered application would consist of 78,966 gallons of aluminum sulfate and 39,483 gallons of sodium aluminate.

While 150 g/m^2 is the ultimate dose needed to inactive the phosphorus release from sediments in Kohlman Lake, this dose can be split over multiple applications to spread costs over multiple years, extend the overall longevity of the treatment, and allow RWMWD to adapt follow-up applications based on how water quality and macrophytes respond to the first dose. This is a common approach for lakes like Kohlman Lake. The next section describes Barr's proposed approach for the Kohlman Lake alum application.

3 Alum Application Strategy Alternatives

Below is a summary table that includes options for the frequency and dosing of alum for Kohlman Lake. The options considered factor in potential grant funding through the MnDNR Priority 2 PFAS grant money that RWMWD is applying for and would be available at the earliest in July 2026.

Barr recommends applying alum in the spring to help temporarily reduce phosphorus concentrations in the water column before the growing season and to avoid any negative impacts to the alum floc formation from aquatic vegetation, which would be more present throughout the growing season and into fall.

Barr also recommends monitoring the sediment in a lake (e.g., collecting sediment cores) after an alum treatment to determine if future alum applications are needed. We would recommend this monitoring on an annual basis following a split dose alum treatment until the full dose is achieved.

Table 3-1 Alum Application Alternatives

Alternative	Alum Dose	Estimated Application Year (Spring)	Funding Mechanism	Cost Estimate[1]	Engineering and Monitoring Cost[2]
1. Ultimate Dose (with or without grant)	150 g/m^2	2026 or 2027	RWMWD or Grant	$1,035,000	$26,000
2. Split Dose (two-phase, with grant)	50 g/m^2	2026	RWMWD	$345,000	$52,000
	100 g/m^2	2027[2]	Grant	$690,000	
3. Split Dose (three-phase, no grant)	50 g/m^2	2026	RWMWD	$345,000	$78,000
	50 g/m^2	2028[3]	RWMWD	$345,000	
	50 g/m^2	2030[3]	RWMWD	$345,000	

[1] Includes 30% mobilization. Prices are in 2025 dollars, and do not account for the potential escalation of aluminum sulfate or sodium aluminate pricing or contractor mobilization costs.
[2] Includes 62 hours of Barr staff time for bidding, contracting, and field observation per application event. Costs also include $15,000 in follow-up sediment core collection and analysis for each application event, which will help determine when a subsequent alum dose may be needed.
[3] After the initial split dose, subsequent split dose treatments may be done less frequently if initial dose(s) remain effective (based on follow-up monitoring information). Estimated application years shown for subsequent split-dose treatments are shown as examples.

Based on the average release rate for the lake (7.4 mg/m^2/day, see Figure 1-1) and the lake's anoxic factor of approximately 48 days (calculated using Nurnberg, 1995), the internal phosphorus load is estimated to be 250 lbs per growing season, which is slightly less than the internal load calculated for Kohlman Lake's Total Maximum Daily Load (TMDL) (Barr, 2010). Even at the projected $1,035,000 cost for the ultimate alum dose, the cost-benefit analysis (assuming a 3% interest rate, 12-year treatment life, 50-80% reduction in internal load, and $26,000/yr in monitoring costs) equates to **$600 to $1,000 per pound** of phosphorus reduced. The alum treatment is highly cost-effective relative to other in-lake or watershed management options.

Barr recommends splitting up the alum application over multiple years using either Alternative 2 or Alternative 3, factoring in the availability of grant dollars in deciding between the two alternatives. Splitting up the treatments over multiple years and contracts may result in higher pricing in future years but allows for the RWMWD to access grant dollars for some or all the subsequent treatments and allows for an adaptive management approach. We do not recommend applying the ultimate dose in one application event given high cost, and the fact that a smaller alum application may be effective.

4 Planned Invasive Species Management

RWMWD treated Kohlman Lake with herbicide targeting CLP in 2025, using macrophyte data collected during a point intercept survey completed by Ramsey County in 2024. The point intercept survey indicated that the northern portion of the lake had the highest incidence of CLP.

Curlyleaf pondweed is a non-native, invasive aquatic plant that can grow in very dense stands, displacing native species. One of its advantages is that it produces hardy turions – buds that can remain viable for long periods before sprouting to form new plants. Curlyleaf pondweed can grow in depths up to 15 feet. Curllyeaf pondweed produces a long stem (up to a meter) with small, submerged leaves that have distinct "teeth," or wavy edges. In the spring, its turions look like small greenish-brown pinecones. Curlyleaf pondweed is generally the first pondweed to come up in spring, helping distinguish it from other native pondweeds. It dies in the mid-summer, and dead plants may accumulate on shorelines. Its primary means of reproduction is through the production of turions, hundreds of which can be produced by each plant. Turions remain dormant in the sediment through the summer and germinate in the fall. Germination rates can be as high as 80 percent, and turions can remain viable in the sediment for two or more years. Curlyleaf pondweed displaces native plants, disrupting vegetation structure that provides forage and shelter for waterfowl, fish, invertebrates, and algae-consuming zooplankton. It also reduces recreational opportunities for swimmers and boaters by forming thick surface mats.

Source: Minnesota Aquatic Invasive Species Research Center (MAISRC), https://maisrc.umn.edu/curlyleaf-pondweed#about

Barr developed an invasive aquatic vegetation management plan for Kohlman Lake, which outlines a treatment plan for the next several years to control CLP and measure progress towards controlling it.

Data from a June 2025 point intercept survey conducted by Ramsey County shows that the highest densities of CLP are still present in the northern portion of the lake (Figure 2). Another herbicide treatment is planned for spring 2026, in addition to a turion survey in fall 2025 which will give a sense of the likelihood of future CLP growth, and the duration of CLP management we expect to need into the future.

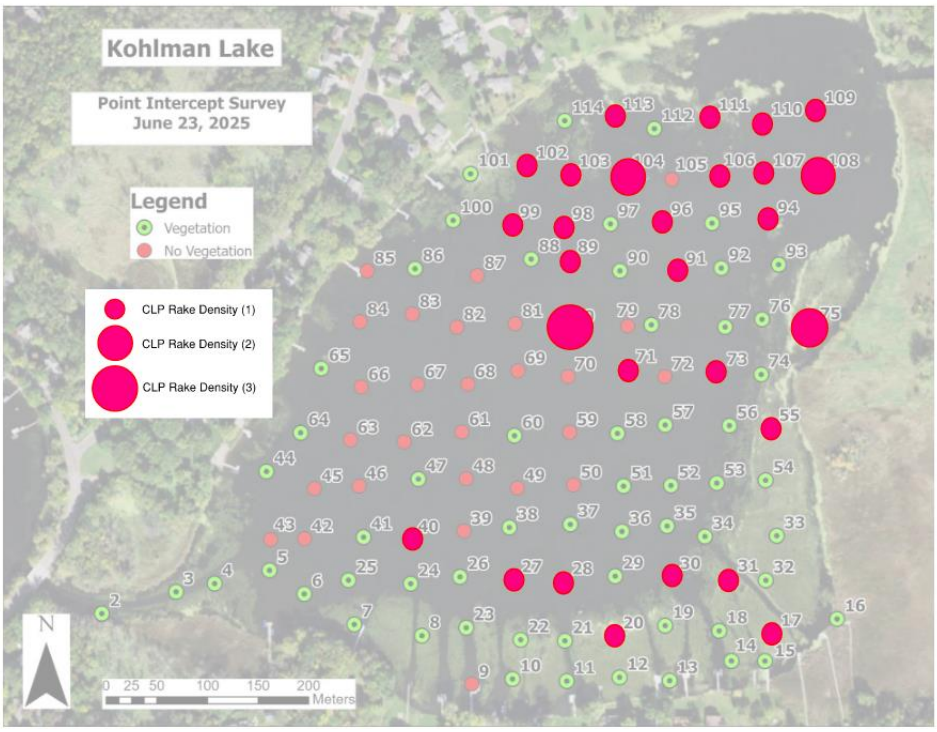


Figure 4-1: June 2025 Curlyleaf Pondweed Survey

5 Recommendations

Barr recommends bidding the project using **Alternative 2 from Table 3-1** to select a contractor for the alum application. The annualized cost-benefit estimate of $600 - $1,000 / lb TP is within the typical range ($400 to $14,000 / lb TP) of cost per pound of TP removal for RWMWD water quality projects. Furthermore, the alum treatment is necessary to prevent worsening water quality in Kohlman Lake.

The engineer's opinion of probable cost is shown in Table 5-1. The opinion of probable cost provided is made based on Barr's experience and qualifications and represents our best judgement as experienced and qualified professionals familiar with the project. Because we have no control over the cost of labor, materials, equipment or services furnished by others, or over the contractor's methods of determining prices, or over competitive bidding or market conditions, Barr cannot and does not guarantee that proposals, bids, or actual costs will not vary from the opinion of probable cost presented.

Table 5-1 Engineer's Opinion of Probable Cost

Item		Cost
Engineer's Opinion of Probable Construction Cost		**$345,000**
Estimated Accuracy Range	Low (-10%)	$310,500
	High (+15%)	$396,750

Notes:
1. Quantities based on Design Work Completed (100%).
2. Unit prices based on information available at this time.
3. This design level (Class 1, 70-100 design completion per ASTM E 2516-11) cost estimate is based on 100% designs, quantities, and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +15%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and then uncertainties in the project as scoped. Operation and Maintenance costs are not included.

6 Schedule

Pending Board approval, the project documents (e.g., contract documents, exhibits) will be posted for bid in October 2025. After bidding, if a responsible low bidder is identified, the application would occur in Spring 2026 per the conditions outlined in the technical specifications. Substantial completion shall be no later than June 1, 2026.

Attachments

- Specification Outline (Table of Contents)
- Exhibit A (Figures)

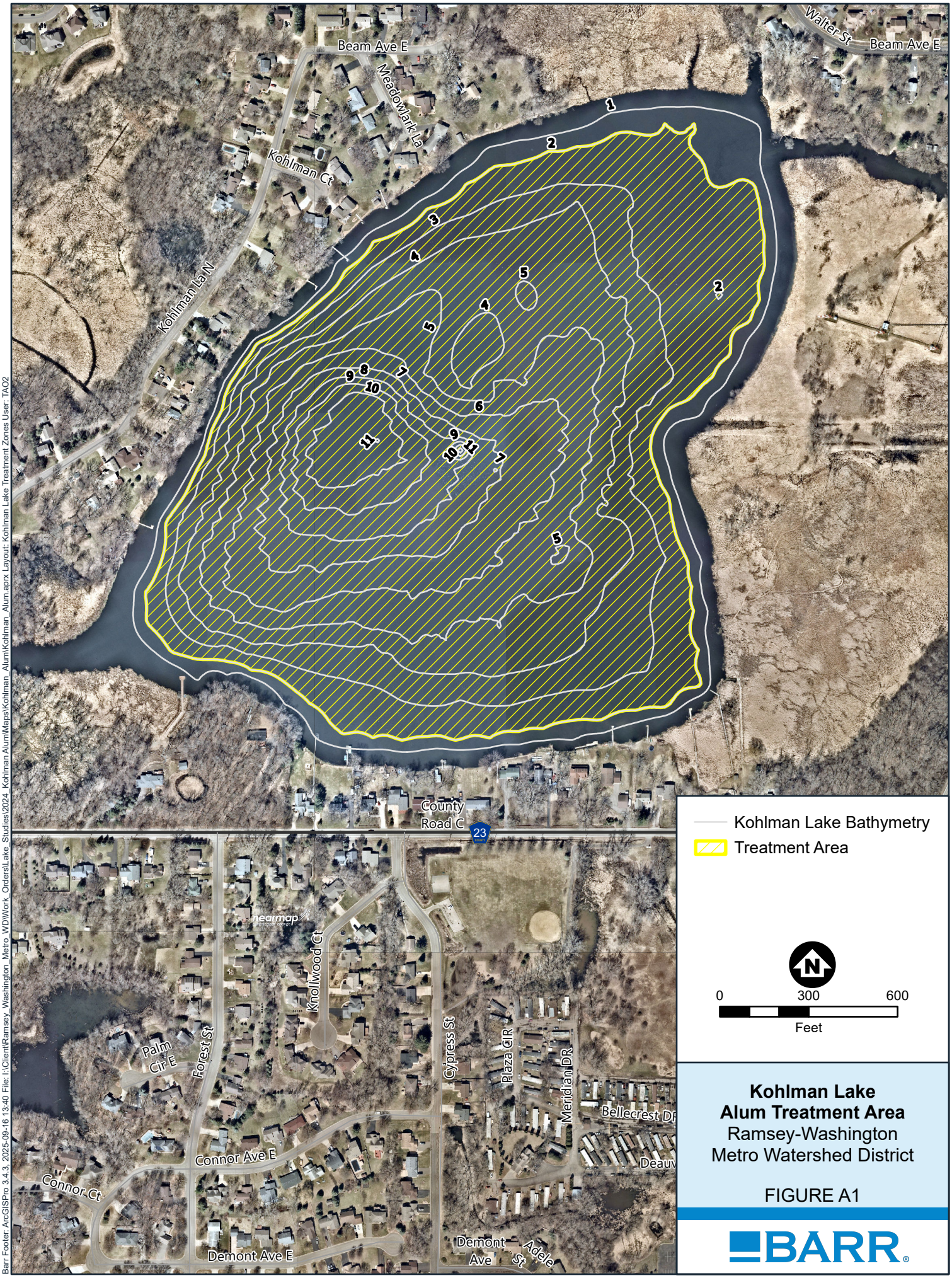
7 References

1. Pilgrim, K., Huser, B., & Brezonik, P. (2007). A method for comparative evaluation of whole-lake and inflow alum treatment. *Water Research, 41,* 1215-1224.
2. James, W.F. & J.M. Bischoff (2015). Relationships between redox-sensitive phosphorus concentrations in sediment and the aluminum:phosphorus binding ratio. *Lake and Reservoir Management,* 31:4, 339-346.
3. Barr Engineering Co. (2010). Kohlman Lake Total Maximum Daily Load Report. Prepared for Ramsey Washington Metro Watershed District.
4. Nürnberg, G. (1995). Anoxic factor, a quantitative measure of anoxia and fish species richness in Central Ontario lakes. *Transactions of the American Fisheries Society*, 677-686.

CONTRACT DOCUMENTS

KOHLMAN LAKE ALUMINUM TREATMENT
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT

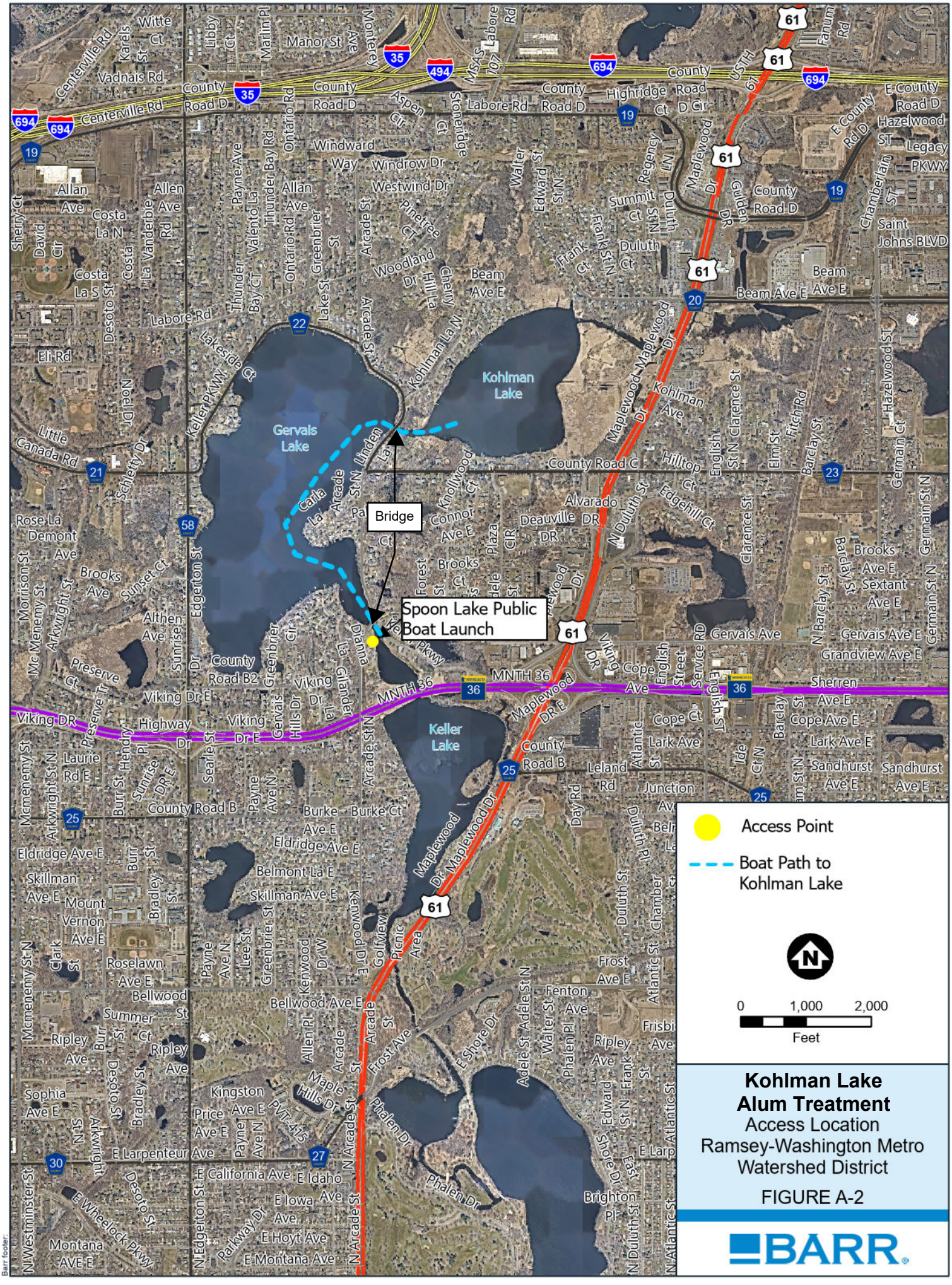
TABLE OF CONTENTS



Kohlman Lake
Alum Treatment Area
Ramsey-Washington
Metro Watershed District

FIGURE A1

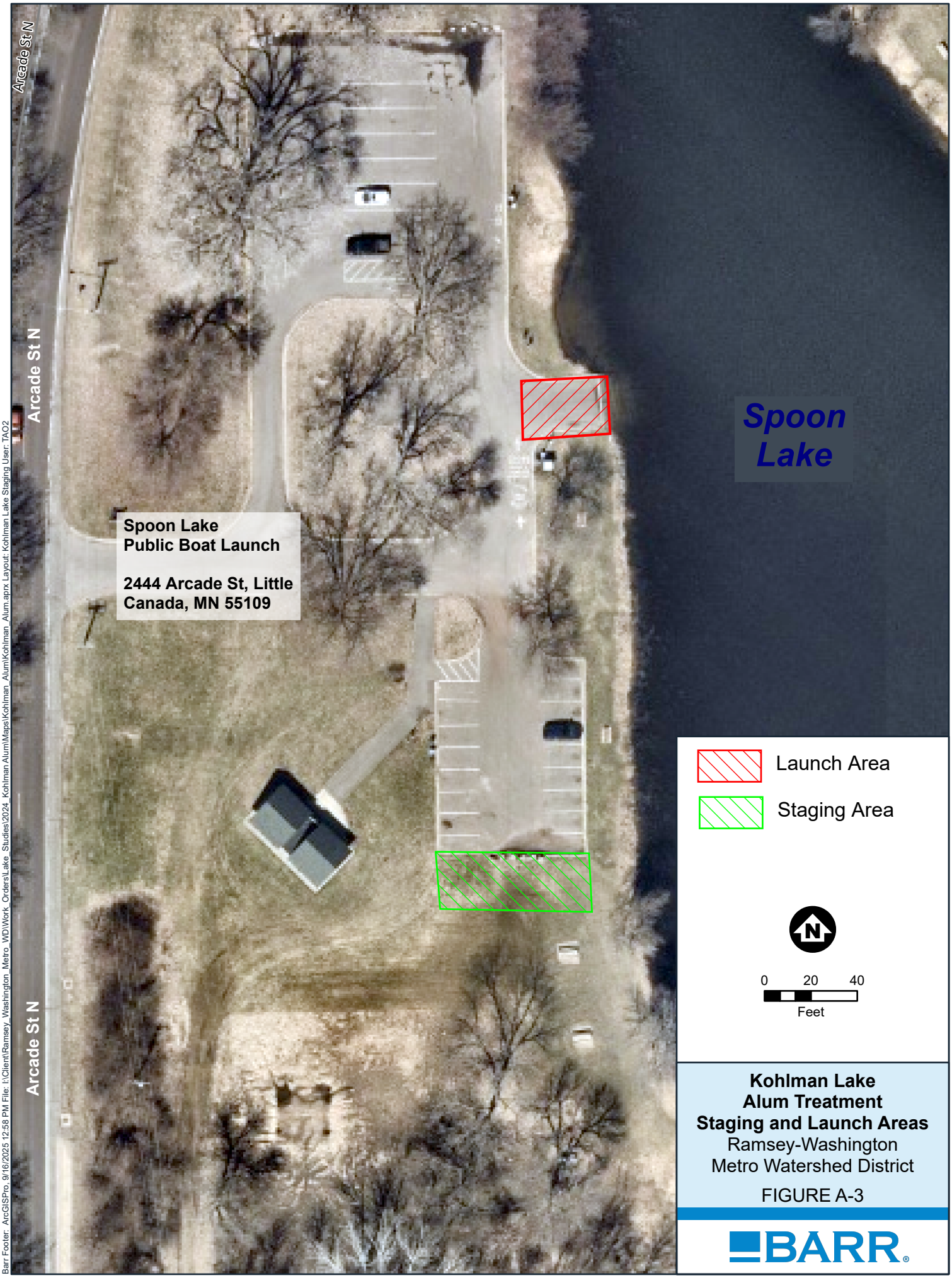
BARR



Kohlman Lake Alum Treatment
Access Location
Ramsey-Washington Metro Watershed District

FIGURE A-2

BARR



Kohlman Lake
Alum Treatment
Staging and Launch Areas
Ramsey-Washington
Metro Watershed District

FIGURE A-3

BARR

Request for Board Action

Board Meeting Date: October 1, 2025 **Agenda Item No:** 7B

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 20th, at Keller Golf Course. A formal invitation will be sent.

Six nominations were received and were reviewed by the citizen advisory committee (CAC) at their September 23rd meeting, and suggested winners are being selected for approval from the board.

The suggested award winners will be shared with the board members for approval at the October 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.

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.

RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

CAC Watershed Excellence Awards Recommendations

Last year a group of staff reviewed eleven nominations for the 2024 Watershed Excellence Awards and narrowed them down to seven for the CAC to select from. This year, there were only 6 nominations submitted, so no staff review was needed. The CAC reviewed the applications at the September 23rd meeting, then voted anonymously afterwards.

The Watershed Partner category ended with a tie vote, so two VLAWMO staff reviewed the applications of the tied nominees. Both agreed on Urban Roots as the final awardee.

The nominees below represent the three awardees for the Board to review.

Following Board approval of candidates, a formal notification will go out to each individual.

1. **Category: Good Steward** **Awardee: Rachel Hanks and Bill Cranford**

   Bill Cranford and Rachel Hanks are exemplary stewards of the land, putting into practice what they've learned as Master Water Stewards. They have spent many years and hours not only converting their own lawn to native habitat, but volunteering their time to learn, teach and assist others in doing the same. They've been involved in school plantings, classroom activities, WaterFest, LEAP programming, Urban Roots programming, and helping to teach our community members about the importance of preserving local water resources and surrounding lands.

2. **Category: Watershed Partner** **Awardee: Urban Roots**

   Urban Roots is a champion of community engagement. They have worked with City of St. Paul and Right Track to employ local high school aged youth for their different programs: Conservation, Cook Fresh, and Market. Urban Roots has several projects that benefit the Watershed including (but not limited to) Willow Brook (Pigs Eye Regional Park), Harvest Park (2018), and Lake Phalen Shoreland Restoration. Crews work to help maintain many acres of restored areas that would otherwise stretch resources to preserve.

3. **Category: Educator** **Awardee: Henriette Bissoy (L'Etoile du Nord French Immersion)**

   Henriette has been an outstanding supporter and implementer of RWMWD's watershed education program. For the past 19 years, her science classrooms have been an on-going training ground for thousands of students grades K-5 by growing native plants from seed, learning hands-on about water quality and water quality testing, studying habitats and engaging in service-learning projects. These projects have spanned from their east side neighborhood community to various locations throughout RWMWD where the watershed has been doing shoreline and habitat restoration projects and building rain gardens.

Note: The above text is an abbreviated summary of each nomination. For the complete nomination forms, please contact carrie.magnuson@rwmwd.org.

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New Reports/ Presentations

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MINNESOTA POLLUTION CONTROL AGENCY

Minnesota's PFAS Blueprint: Where are we now?

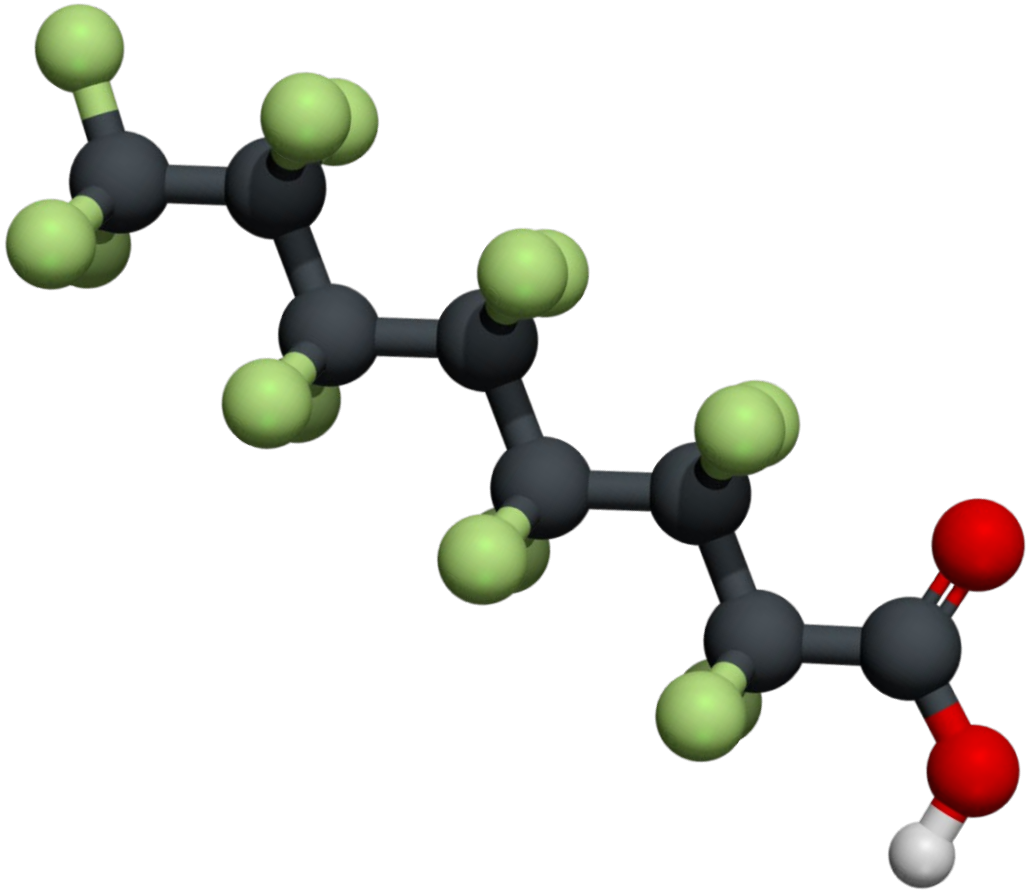
Presented to the Ramsey-Washington Metro Watershed District Board of Managers | 10/01/2025

Fawkes Char | Agency PFAS Coordinator

What are PFAS?

Per- and poly-fluorinated alkyl substances

- "Forever chemicals"
- Chains of carbon-fluorine bonds
- Diverse class of compounds
- Useful traits



Where do PFAS come from?

Minnesota's PFAS journey

Disposal Sites

Drinking Water

- PFOA and PFOS – reported in disposal sites
- Discovered in nearby drinking water

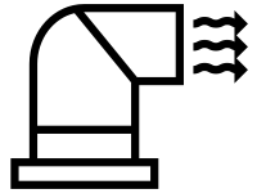
- Further investigation found PFAS throughout Minnesota

- Thousands of PFAS studies published
- Health-based guidance evolves to reflect new science

Wastewater

Solid Waste

Fish and wildlife



Air

- Legacy and emerging PFAS found at concentrations of concern in multiple places around Minnesota

Health effects and exposure routes

Health effects:

Immune suppression, developmental effects, reproductive effects

Exposure routes:

Drinking water, fish consumption, other food consumption, breastmilk or formula, air, dermal?

Main exposure route varies depending on the PFAS compound

Health risk-based values for PFAS in drinking water*

Minnesota Department of Health: Health-Based Values (HBVs) for PFAS in drinking water (January 2024)

Year	PFOA	PFOS	PFHxS	PFHxA	PFBA	PFBS
2002	7	7	n/a	n/a	n/a	n/a
2006	1	0.6			1	
2007	0.5	0.3			**7 ***	
2009	0.3					7
2013			0.3			
2016	0.07	0.07	0.07			
2017	0.035	0.027	0.027			2
2019		0.015	**0.047 ***			
2022				**0.2 ***		**0.1 ***
2024	**0.0000079 ***	**0.0023 ***				

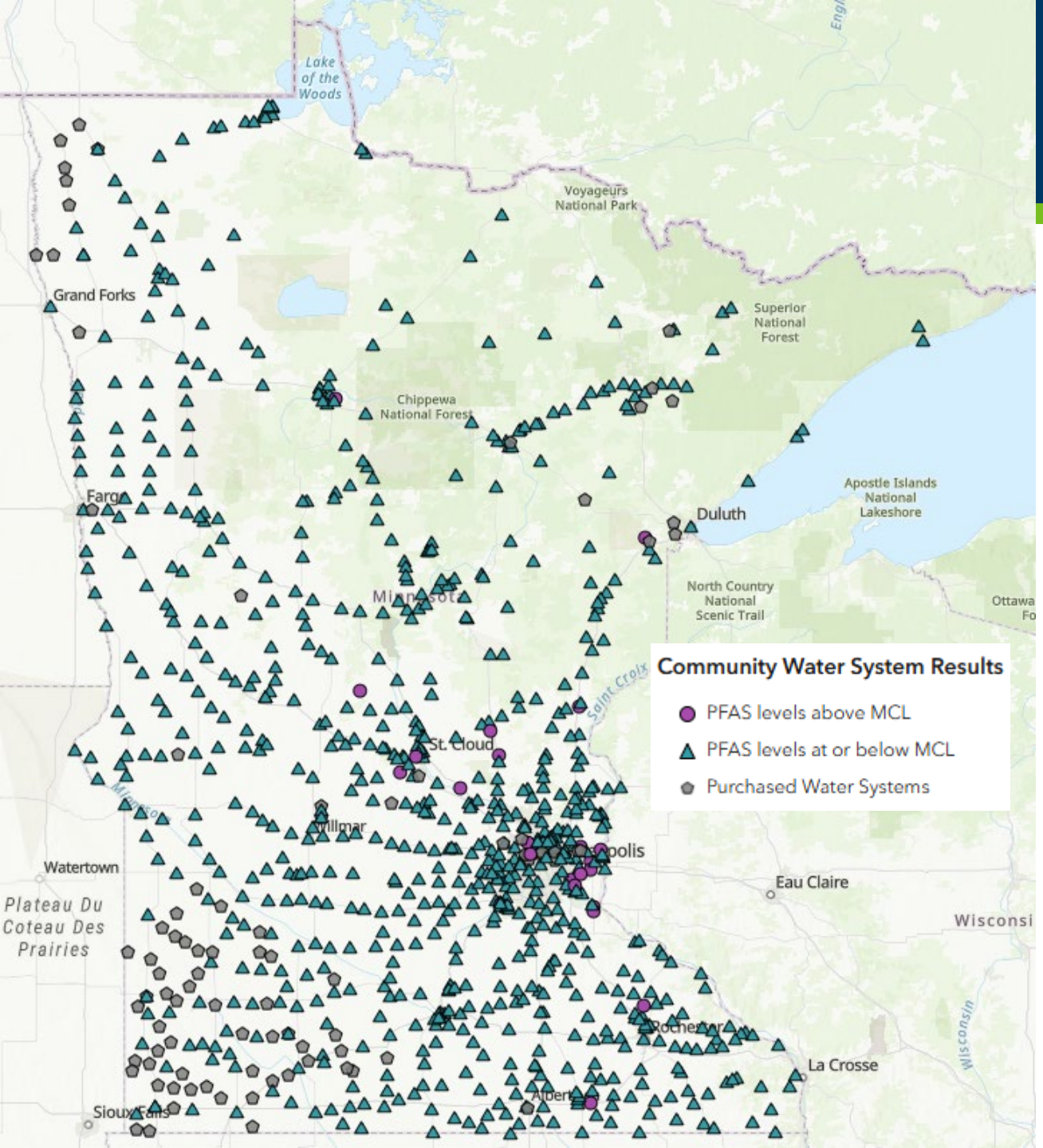
Table adapted from the Minnesota Department of Health website, "PFAS and Health". All values shown in parts per billion (ppb). * denote HBVs that have been formalized as Health Risk Limits per Minn. R. Ch. 4717.7860.

EPA Maximum Contaminant Levels (MCLs) for PFAS in drinking water (as of June 2024)

	Final MCLG (health-based, not enforceable)	Final MCL (enforceable)
PFOA	0	**0.004**
PFOS	0	**0.004**
PFNA	0.01	**0.01**
PFHxS	0.01	**0.01**
PFBS	n/a	**n/a**
HFPO-DA (GenX)	0.01	**0.01**
Mixtures containing two or more of PFNA, PFHxS, PFBS, and/or HFPO-DA	1.0 (unitless) Hazard Index	**1.0 (unitless) Hazard Index**

Table adapted from the EPA website, "Per- and Polyfluoroalkyl Substances (PFAS): Final PFAS National Primary Drinking Water Regulation". All values shown are in parts per billion (ppb) for comparison; EPA's final values are published in parts per trillion (ppt).

PFAS in public drinking water systems



To date, 98% of community water systems have been tested for PFAS

- Exceedance at 23 (EPA MCLs)

Who pays?

- 3M Settlement (2018)
- Drinking Water (State) Revolving Fund
- Bonding
- Drinking water planning and design grant
- User fees

Statewide strategic response

Minnesota's PFAS Blueprint supports a holistic and systematic approach to address PFAS.

https://www.pca.state.mn.us/air-water-land-climate/minnesotas-pfas-blueprint

Minnesota's PFAS Blueprint: Ten topic areas

Preventing PFAS pollution

Measuring PFAS effectively and consistently

Quantifying PFAS risks to human health

Limiting PFAS exposure from drinking water

Ensuring safe consumption of fish and game

Limiting PFAS exposure from food

Understanding risks from PFAS air emissions

Protecting ecosystem health

Remediating PFAS-contaminated sites

Managing PFAS in waste

PFAS response actions

Prevent
PFAS pollution wherever possible

Manage
PFAS pollution when prevention is not feasible or pollution has already occurred

Clean up
PFAS pollution at contaminated sites

MPCA's PFAS Remediation Guidance

Business With Us / Business support / Remediation guidance

PFAS remediation guidance

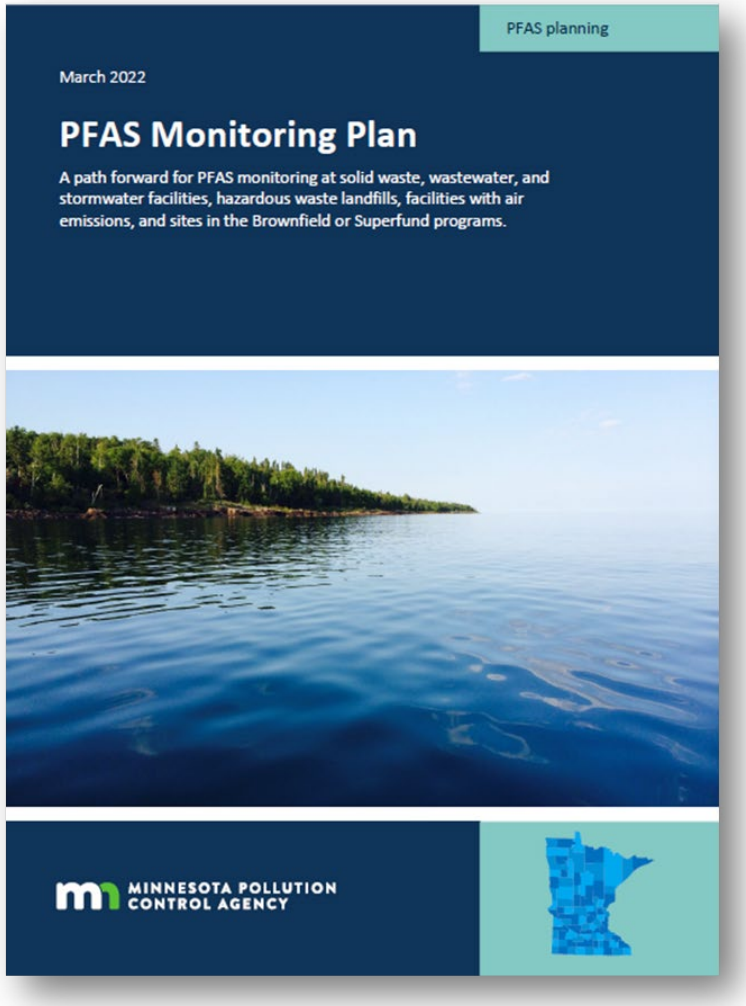
https://www.pca.state.mn.us/business-with-us/pfas-remediation-guidance

Directions for investigation & remediation of PFAS

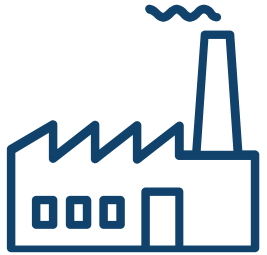
Stakeholder engagement & incorporation of emerging data

Alignment of state and federal designations

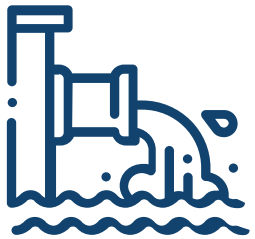
MPCA PFAS Monitoring Plan



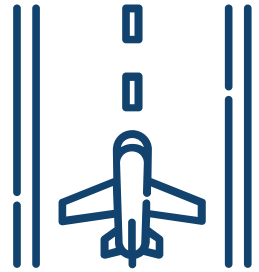
Solid waste facilities



Industrial facilities

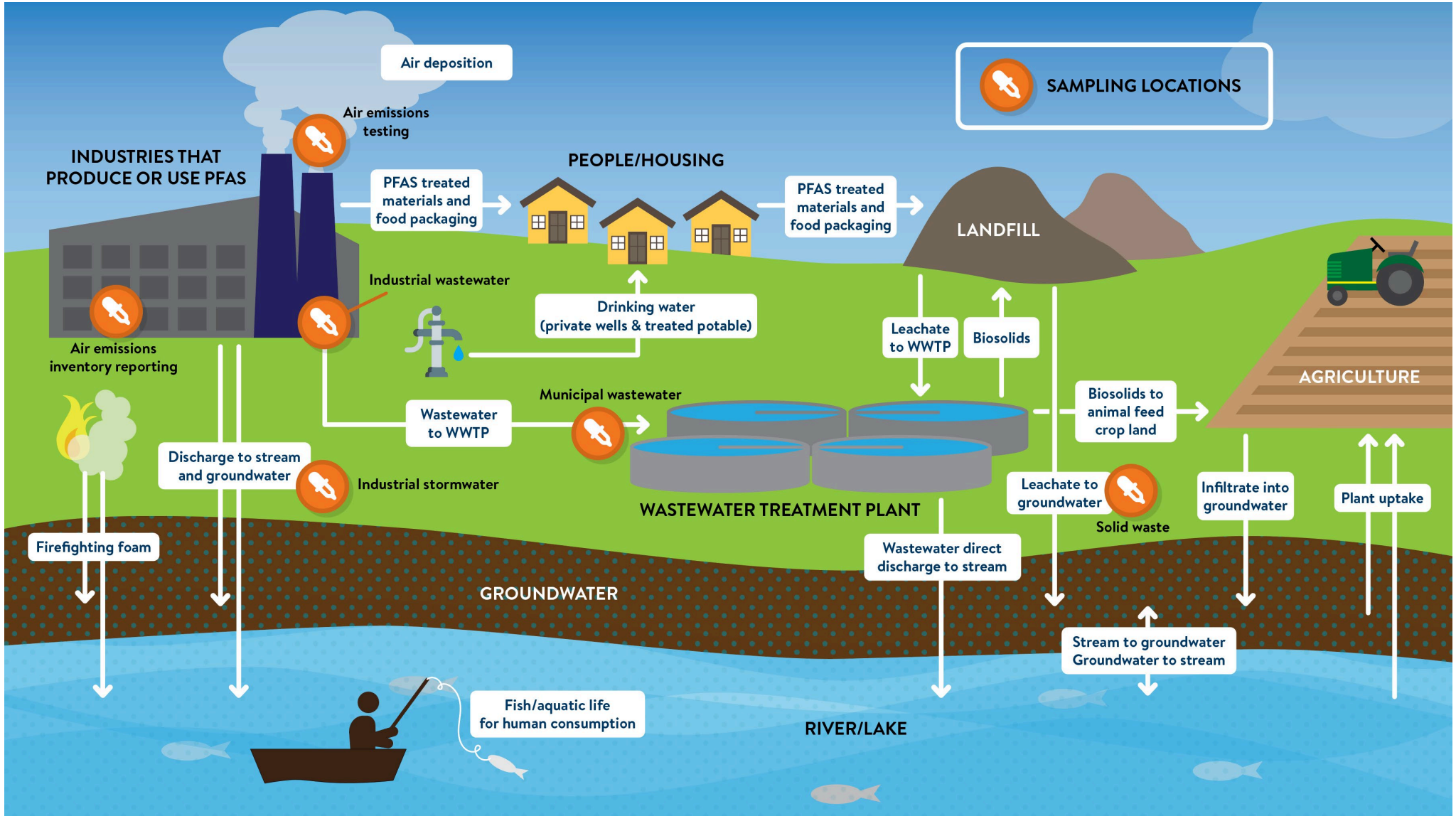


Municipal wastewater treatment plants



Regional airports in Greater Minnesota

Permitting actions (NPDES/SDS)



Monitoring outcomes

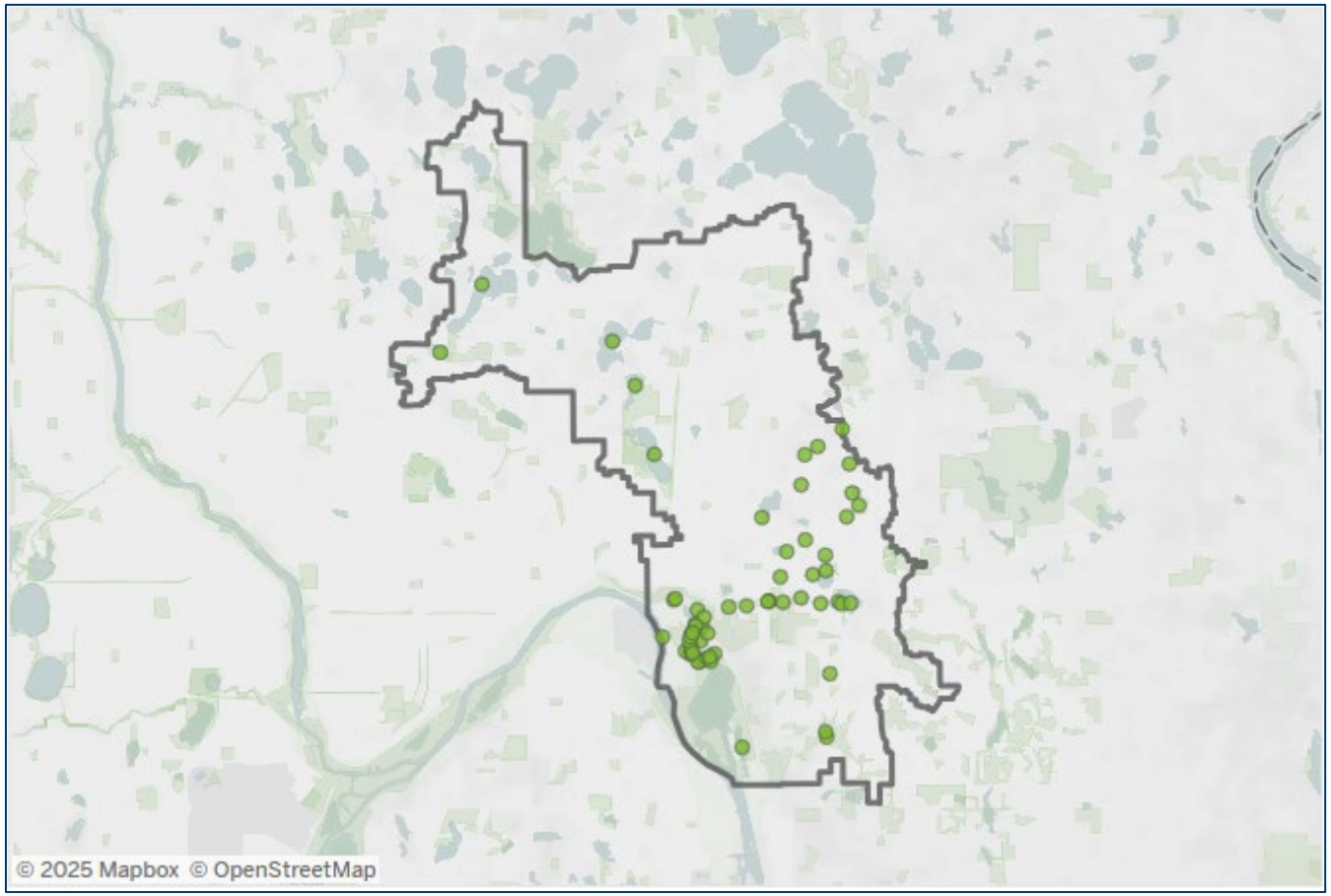
Key results

- Certain industry sectors in MN are of particular concern for PFAS release
- PFAS were found at all airports, WWTPs, and currently or historically unlined landfills
- Quality PFAS data collection is challenging in some media, like industrial wastewater

Next steps

- Source reduction and management plans
- Targeted investigations at sites with drinking water risks
- Evaluation of remaining data
- Development of permitting strategies across media

PFAS in the RWMWD: Surface water



- Detectable PFAS across the District
  - Detections in 23 lakes, Mississippi River, Battle Creek
  - Highest concentrations: Pigs Eye Lake (5,500 ng/L PFBA)
  - Lowest: Owasso (1.9 ng/L PFHpA)
- Surface water quality standards for PFAS
  - Class 1: drinking water
  - Class 2: “aquatic life and recreation”

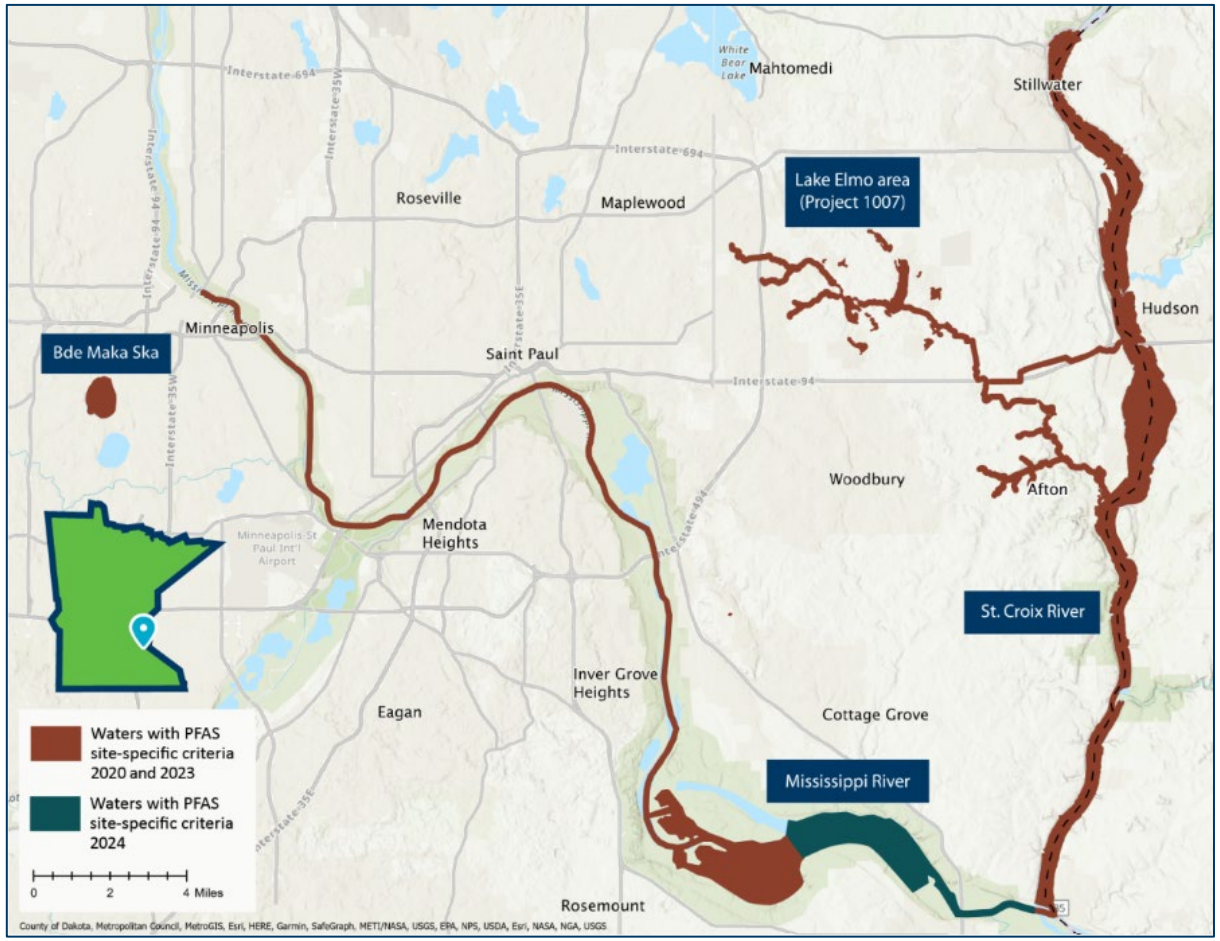
PFAS (surface) water quality standards in Minnesota

*EPA Maximum Contaminant Levels (MCLs) for PFAS in drinking water (April 2024) = **Class 1 WQS (MN Rules Ch. 7050.0221)**

	Final MCLG (health-based, not enforceable)	Final MCL (enforceable)
PFOA	0	**0.004**
PFOS	0	**0.004**
PFNA	0.01	**0.01**
PFHxS	0.01	**0.01**
PFBS	n/a	**n/a**
HFPO-DA (GenX)	0.01	**0.01**
Mixtures containing two or more of PFNA, PFHxS, PFBS, and/or HFPO-DA	1.0 (unitless) Hazard Index	**1.0 (unitless) Hazard Index**

Table adapted from the EPA website, "Per- and Polyfluoroalkyl Substances (PFAS): Final PFAS National Primary Drinking Water Regulation". All values shown are in parts per billion (ppb) for comparison; EPA's final values are published in parts per trillion (ppt).

Surface waters with PFAS water quality (site-specific) criteria (**= Class 2**)



Fish Consumption Guidance

MDH develops fish consumption guidance based off fish tissue and/or water column data

Several area lakes have “do not eat” advisories for sensitive populations

Other lakes have recommendations to limit meals depending on species

DNR's LakeFinder (ex 1)

Home > LakeFinder > Owasso

How to use LakeFinder

Main page
LakeFinder search tips
Find a lake by map
Stocking reports user guide
Go to mobile site

Owasso (62005600)

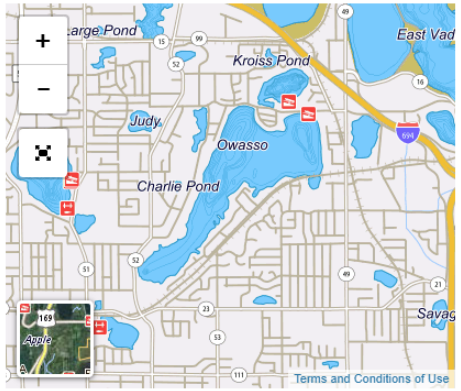
Fish consumption advisory
See the Fish Consumption guidance provided by the Minnesota Department of Health.

ID: 62005600
County: Ramsey
Near: Shoreview
Border water: No
Sentinel Lake: No

Size and depth

Area: 374.96 acres
Littoral Area: 292.9 acres
Shore length: 5.65 miles
Mean depth: 11.2 feet
Maximum depth: 37 feet

Fish species: black bullhead, black crappie, bluegill, brown bullhead, channel catfish, green sunfish, hybrid sunfish, largemouth bass, muskellunge, northern pike, pumpkinseed, sunfish, walleye, white crappie, yellow bullhead, yellow perch, common carp, white sucker, banded killifish, bluntnose minnow, fathead minnow, golden shiner, Iowa darter, Johnny darter, spotfin shiner, spottail shiner, tadpole madtom



Home > LakeFinder > Owasso

How to use LakeFinder

Main page
LakeFinder search tips
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Stocking reports user guide
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Fish consumption guidelines

Minnesota Department of Health (MDH) Fish Consumption Guidelines help people make choices about which fish to eat and how often. Following the guidelines helps people reduce exposure to contaminants, while still enjoying the many benefits from fish.

OWASSO (62005600)
Ramsey County

When eating fish from this lake, follow the MDH Statewide Fish Consumption Guidelines. They are found at Waterbody-specific and Statewide Fish Consumption Guidelines - MN Dept. of Health. Fish from this lake have been tested for contaminants.

← Return to main lake page

LakeFinder (ex 2)

Home > LakeFinder > Pigs Eye

How to use LakeFinder

Main page
LakeFinder search tips
Find a lake by map
Stocking reports user guide
Go to mobile site

Pigs Eye (62000400)

Fish consumption advisory
See the Fish Consumption guidance provided by the Minnesota Department of Health.

ID: 62000400
County: Ramsey
Near: Highwood
Border water: No
Sentinel Lake: No

Size and depth

Area: 673.63 acres
Littoral Area: 673.63 acres
Shore length: 8.92 miles
Maximum depth: 4 feet

Fish species: black bullhead, black crappie, bluegill, brown bullhead, channel catfish, green sunfish, hybrid sunfish, largemouth bass, northern pike, orangespotted sunfish, pumpkinseed, sauger, white bass, white crappie, yellow perch, bigmouth buffalo, bowfin (dogfish), common carp, freshwater drum, golden redhorse, quillback, shorthead redhorse, shortnose gar, white sucker, gizzard shad, golden shiner

Fish consumption guidelines

Minnesota Department of Health (MDH) Fish Consumption Guidelines help people make choices about which fish to eat and how often. Following the guidelines helps people reduce exposure to contaminants, while still enjoying the many benefits from fish.

When eating fish from this lake, follow the MDH Statewide Fish Consumption Guidelines - MN Dept. of Health except for species listed below. Contaminant levels are higher in these species.

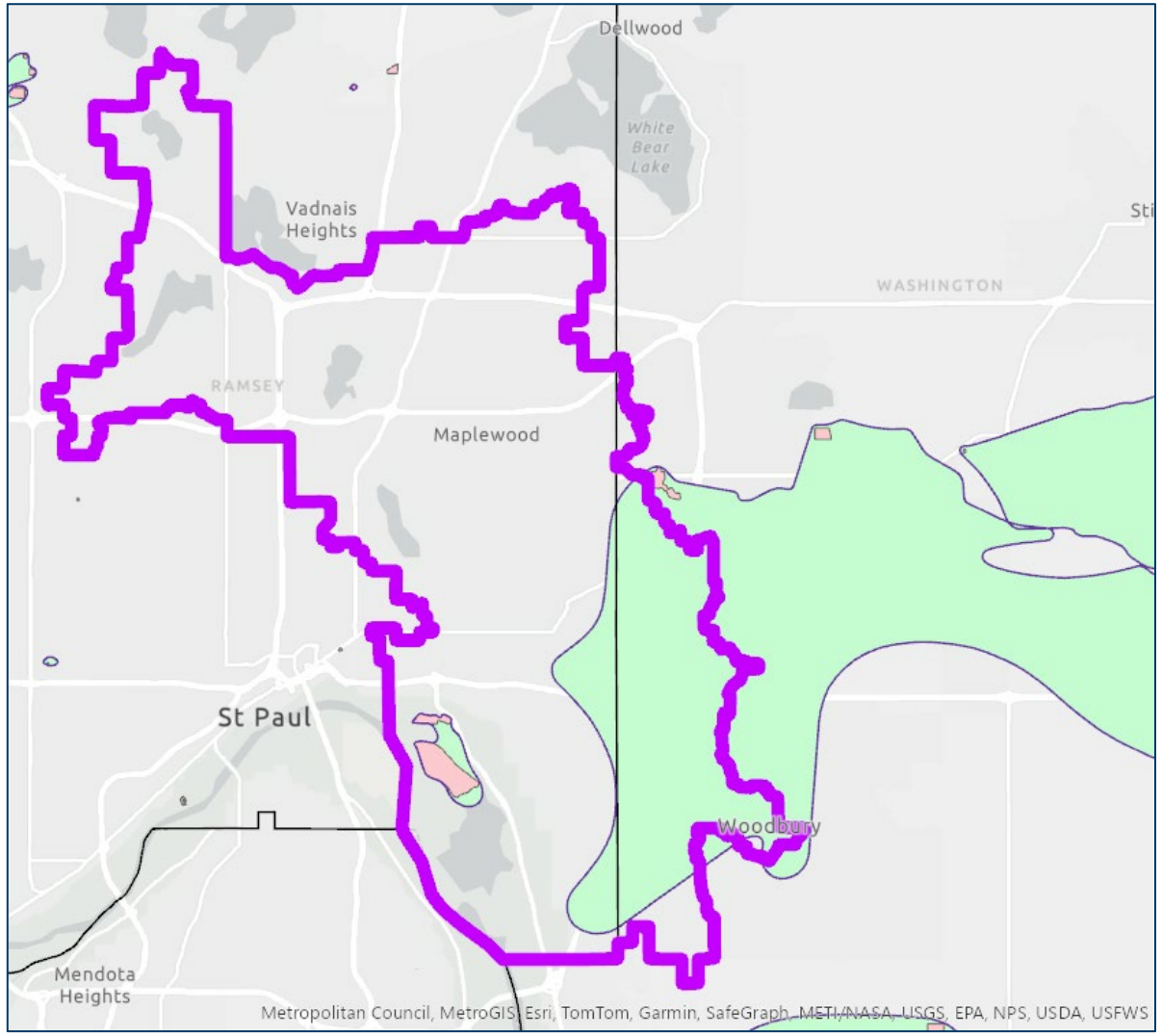
People Who Are or May Become Pregnant, and People Who Are Breastfeeding or Plan to Breastfeed, and Children Under Age 15

LAKE NAME County, DOWID	Species	Meal Advice: 1 serving/month	Meal Advice: do not eat	Contaminants
PIGS EYE RAMSEY Co., 62000400	all species		all sizes	Mercury PCBs PFAS (PFOS)

Men, Boys Age 15 and Over, and People Not Planning to be Pregnant

LAKE NAME County, DOWID	Species	Meal Advice: 2 servings/week	Meal Advice: 1 serving/week	Meal Advice: 1 serving/month	Meal Advice: do not eat	Contaminants
PIGS EYE RAMSEY Co., 62000400	all species			all sizes		Mercury PCBs PFAS (PFOS)

PFAS in the RWMWD: Groundwater



Groundwater area(s) of concern

- Based on areas where health risk-based values were exceeded
- Exact boundaries uncertain – these are based on well samples from varying depths and sources

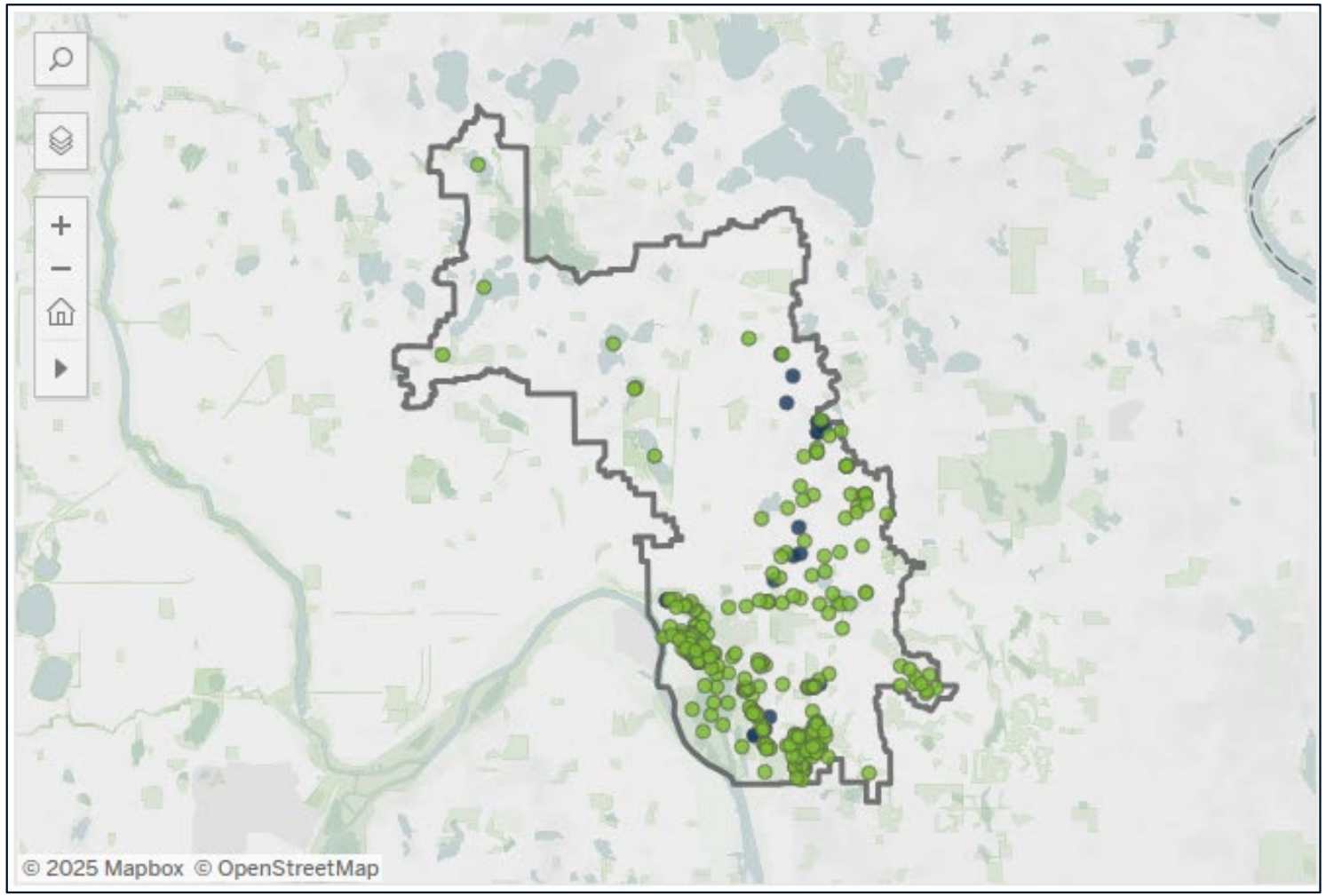
- All groundwater in Minnesota is protected as drinking water, per Minn. R. 7060.0200
- = all groundwater is Class 1

PFAS samples across all media

PFAS Detections

PFAS Detection(s)

No Detections



Sample Media

- (All)
- Null
- Foam
- Sediment
- Tissue
- Wtr-Drink
- Wtr-Ground
- Wtr-Storm
- Wtr-Surf

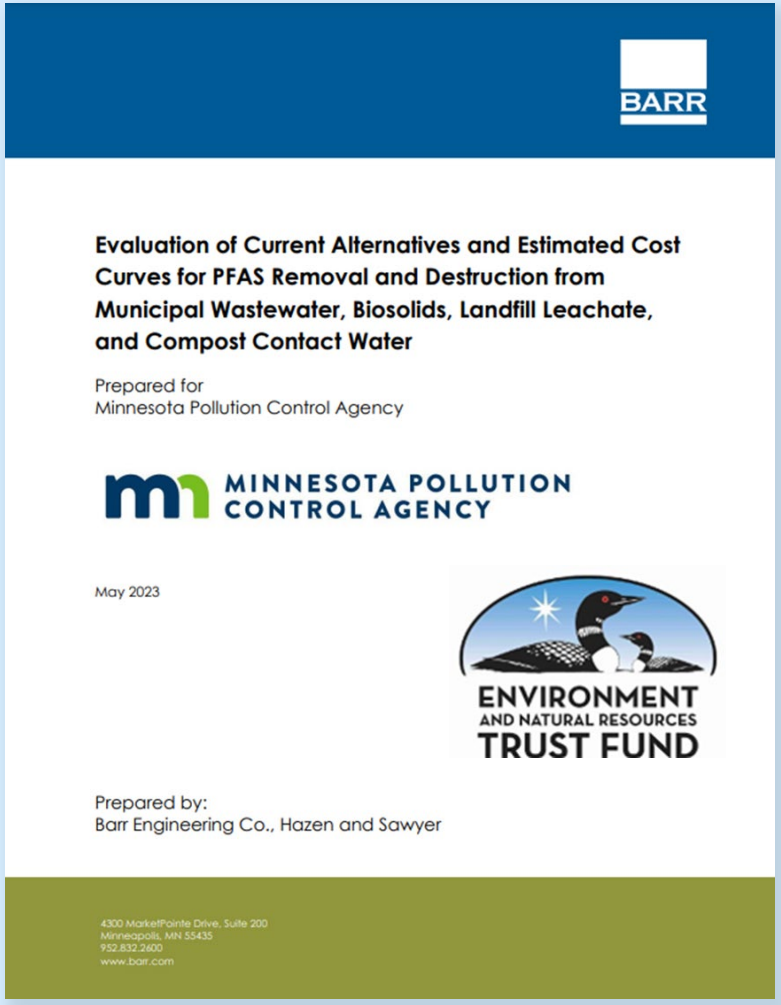
PFAS in the East Metro: Remediation efforts

- 3M Settlement projects
  - Priority 1: safe drinking water ($700M)
  - Priority 2: restoring/enhancing aquatic resources – wildlife, habitat, fishing, recreation ($20M)
- Pig's Eye Dump Task Force
- Piloting treatment and/or destruction technologies
  - Tablyn Park: SAFF, electrochemical oxidation on groundwater, surface water
  - Lake Elmo: supercritical water oxidation on waste streams

What is the role of a Watershed District?

- Amplify MDH, MPCA, DNR messages
  - Fish consumption guidance
  - Amara's Law and other prohibitions
  - Pigs Eye Dump Task Force
- Raise concerns and ask questions
  - Are you seeing (or hearing about) foam?
  - What kinds of sources might be contributing to the municipal stormwater sewer system?
  - What are you hearing from residents and visitors, if anything?

The economic case for prevention


BARR

Evaluation of Current Alternatives and Estimated Cost Curves for PFAS Removal and Destruction from Municipal Wastewater, Biosolids, Landfill Leachate, and Compost Contact Water

Prepared for
Minnesota Pollution Control Agency

MINNESOTA POLLUTION CONTROL AGENCY

May 2023

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND

Prepared by:
Barr Engineering Co., Hazen and Sawyer

4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
952.832.2600
www.barr.com

Cost to buy PFAS to make consumer products

$50 - $1000 per pound

Cost to remove and destroy PFAS from municipal wastewater

$2.7 million - $18 million per pound

Prohibitions on PFAS in products

Amara's Law

July 1, 2020	January 1, 2024	January 1, 2025	July 1, 2026	January 1, 2032
Firefighting foam for testing or training	Food packaging and other uses of firefighting foam (with exceptions)	11 consumer product categories	PFAS reporting requirements begin	PFAS in nearly all other consumer product categories*

*unless use of PFAS is determined "currently unavoidable"

Minnesota Department of Agriculture is working on implementing a prohibition on PFAS intentionally added to pesticides and some other agricultural products on the same timeline as Amara's Law.

Questions?

Fawkes Char | Fawkes.Char@state.mn.us | 651-757-2327

Technical Memorandum

To: Ramsey-Washington Metro Watershed District (RWMWD) Board of Managers
From: Barr Engineering Company
Subject: New Technology Topics: Chloride Removal from Surface Water
Date: September 23, 2025

1 Chloride Removal Background

Chloride is a conservative pollutant that does not naturally degrade once introduced into aquatic systems. Elevated concentrations impair aquatic life, limit beneficial reuse options such as irrigation, and persist through lake stratification cycles. While source control and efficient application strategies remain essential to prevent further loading, this memorandum focuses specifically on removal strategies once chloride is already present in a waterbody.

Recent monitoring activities indicates that chloride concentrations in many ponds and lakes throughout the Ramsey-Washington Metro Watershed District (RWMWD or District) are already elevated. As the District continues to pursue and refine its chloride source control efforts, it is instructive to discuss what it would take to remove chlorides from surface water once it is already there. This memo provides an overview of chloride removal technologies that may be applicable in the future, to supplement the District's source control efforts.

2 Common Questions about Chloride Removal

2.1 Why is chloride removal compelling?

Chloride is a conservative pollutant that accumulates in water bodies and does not degrade naturally over time. Once it enters a system, it remains in solution, cycling through surface water and groundwater without significant natural attenuation. Elevated chloride levels negatively impact aquatic ecosystems by altering density stratification in lakes, stressing sensitive aquatic organisms, and disrupting plant and soil processes. High chloride concentrations also limit opportunities for beneficial reuse, particularly irrigation, where thresholds of 70–100 mg/L (significantly below the thresholds considered for "impairment") are often required to avoid plant injury and soil structure degradation in irrigated areas.

2.2 What are the challenges with removing chloride?

Removing chloride is inherently difficult because it is highly soluble and does not readily adsorb to soils or settle out of solution. Unlike many other pollutants that can be managed through sedimentation, chemical removal, or biological uptake, chloride requires advanced treatment technologies such as reverse osmosis or ion exchange to separate the chloride ion from water. These systems are energy- and cost-intensive and generate secondary waste streams (e.g., brines, regenerant solutions) that require careful handling and disposal to avoid transferring the problem downstream. Additionally, scaling such systems to handle the relatively high flow rates typical of irrigation applications (150–1,000 gpm) introduces significant capital, operational, and permitting challenges. Long-term operation also raises questions about maintenance, residuals management, and the sustainability of applying these technologies at watershed or district scales.

3 Chloride Removal Approaches

3.1 Technologies

Two primary technologies have been evaluated for their ability to remove chloride from surface waters: reverse osmosis and ion exchange.

Reverse osmosis relies on membrane filtration under high pressure to separate dissolved ions, achieving high removal efficiency and producing water of sufficient quality for reuse. However, this approach requires significant pretreatment of particulates and generates a concentrated brine stream that can be difficult to manage. Ion exchange, by contrast, uses resins that swap chloride ions for other anions. While less capital-intensive than reverse osmosis, it also requires pretreatment of particulates and is sensitive to competing ions in the source water. In either case, the management of residuals is a critical obstacle to large-scale implementation.

In addition to reverse osmosis and ion exchange, there is currently a proprietary treatment technology under development that uses a combination of chemicals designed to precipitate chloride out of solution. Because the approach is still being refined and details are not yet publicly available, only limited information can be shared at this time. More information on the technology and its potential applications is expected to be available in the coming year.

3.2 Pretreatment

Both reverse osmosis and ion exchange require pretreatment to function effectively. Suspended solids and organic matter in untreated lake or pond water can foul membranes and resins, shorten equipment life and reduce treatment efficiency. For this reason, pretreatment is considered a necessary component for either technology.

Several pretreatment approaches are available, each with trade-offs. Sand filtration provides reliable removal of larger particles, has a long service life, and is relatively easy to operate. However, it generates substantial volumes of backwash water—several hundred gallons per day for modest flow rates—that must be managed or disposed of. Cartridge and bag filters are simpler to operate and do not create a liquid waste stream, which makes them well-suited for smaller treatment systems. The limitation is that filter media must be replaced frequently (and disposed of) under continuous use, which can drive up operational needs and costs. Ultrafiltration offers the most consistent performance, capable of removing fine solids that would otherwise impact downstream treatment. However, this option comes with even higher capital and operating costs and requires automated backwashing that produces both water and chemical waste streams needing proper disposal.

In the Parkers Lake evaluation, described further in the case study below, cartridge or bag filters were identified as the most practical pretreatment method because they avoid creating a liquid waste stream. Sand filtration was noted as a potential alternative if solids loading proves higher, as the backwash could potentially be returned to the lake without reintroducing chloride. Ultrafiltration was not recommended due to the difficulty of managing the chemical waste stream it generates.

4 Case Study: Study of Chloride Extraction/Dilution for Parkers Lake

The Bassett Creek Watershed Management Commission and the City of Plymouth undertook a study in 2023 to evaluate chloride removal strategies at Parkers Lake, a deep lake which is impaired by high chloride concentrations. The study examined two alternatives: pumping hypolimnetic (bottom) waters to

the sanitary sewer, and pumping hypolimnetic waters to an on-site treatment system before returning permeate to the lake. A summary of the lake and watershed characteristics that informed the evaluation is provided in Table 1. The Metropolitan Council rejected the first option because their wastewater treatment facilities cannot remove chloride and would simply transfer the pollutant downstream. The second option evaluated both small-scale reverse osmosis and ion exchange systems as treatment methods, with comparative results presented in Table 2.

The study found that while both technologies are technically capable of removing chloride from the hypolimnion, the large scale of the lake made implementation infeasible. The costs associated with equipment, operation, and residual disposal were substantial, and the permitting requirements for a public waterbody of this size added additional barriers. The report concluded that chloride removal at the lake scale is not practical for Parkers Lake. Instead, it recommends that consideration be given to applying ion exchange at a smaller, more controlled setting, such as stormwater ponds upstream of chloride-impaired lakes.

Table 1: Parkers Lake watershed and lake characteristics (Barr Engineering Co. 2023).

Parameter	Value
Watershed Area	1,065 acres
Lake Size	97 acres
Average Depth	12 ft
Maximum Depth	37 ft
Volume	379 million gallons
Ordinary High Water Lebel (OHWL)	935.9 ft
Normal Water Level (NWL)	934 ft
Downstream Receiving Waterbody	Medicine Lake

Table 2: Comparison of reverse osmosis and ion exchange treatment outcomes for Parkers Lake (Barr Engineering Co. 2023)

	Reverse Osmosis	Ion Exchange
Advantages	• Has high quality permeate stream • Has high removal efficiency of chlorides	• No other effluents to be managed if regenerated off-site.
Disadvantages	• Requires pretreatment for TSS and organic matter removal • Has high capital cost • Requires proper management of the reject or concentrate	• Requires pretreatment for TSS and organic matter removal. • High sulfate may compete with ion exchange sites and shorten the run time between regeneration. • On-site regeneration would require storage of caustic regenerant at the site and disposal of high pH spent regenerant.
Capital Cost[1]	$660,000 to $1,070,000	$440,000 to $710,000 (equipment rental)
Annual Operation and Maintenance	$97,300/year	$126,200/year
Annualized Cost per Pound Chloride Removed[2]	$11.04	$11.84

[1]Class 4 opinion of cost, as defined by the American Association of Cost Engineers International. Accuracy range -20%/+30%.

[2]Assumptions: The system will be operated at up to 20 gpm flow to treat up to 5 million gallons within a 32- week period during the Spring-Fall period each year that preliminary monitoring indicates that chloride exceedances are expected. • Options are compared as equivalent uniform annual costs (EUAC) estimated for a 30-year life cycle. Capital costs are converted to an annual cost using an interest rate of 3% with discrete compounding. • O&M costs will be incurred once per year at the end of the year. • Salvage values (applicable for intake piping and building) are not considered. • Equipment service life is 20 years. With regular maintenance this could be extended to 30 years without extra wear and tear or corrosion on parts. 13,120 pounds of chloride per year removed, which would result in a 16% decrease in Parker's Lake chloride concentration.

5 Conclusion

RWMWD is not currently considering chloride removal for any District water bodies, choosing to focus on source control strategies that will reduce chloride loads. However, the prospect of chloride removal may be becoming more relevant as elevated chloride concentrations in many ponds and lakes are starting to limit opportunities for water reuse for irrigation.

The evaluation of available technologies shows that large-scale, in-lake treatment (such as at Parkers Lake) are likely impractical due to cost, permitting, and residuals management challenges. However, smaller-scale, targeted applications at ponds may offer a more feasible starting point. Pilot-scale projects using ion exchange or reverse osmosis (or other proprietary options currently under development) could help RWMWD test performance on a pilot scale, assess maintenance and residuals managing requirements, and refine permitting pathways.

We suspect that the District could increase its source control efforts many-fold before chloride removal seems like a cost-effective strategy for reducing chloride concentrations in its surface waters. However,

treatment technologies for chloride removal will continue to evolve and are worth tracking and reevaluating in the future. Also, there may be specific, smaller scale opportunities that make sense, particularly in the context of water reuse for irrigation. A high level feasibility study looking at what a smaller scale project in a key area for water reuse purposes could help to determine whether chloride removal can be part of a long-term strategy to enable beneficial water reuse while protecting downstream water quality.

6 Bibliography

Barr Engineering Co. "Study of Chloride extraction/dilution for Parkers Lake (PL-7)." 2023. Parkers_Lake_Chloride_Dilution_Extraction_Tech_Memo_final.pdf.

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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, 2025

A. **Meetings Attended**

Thursday, September 4	11:30 AM	Barr Engineering CARE Meeting
Tuesday, September 9	10:00 AM	MAWA Executive Committee Meeting
Wednesday, September 10	1:00 PM	MW Events – Education Committee
Monday, September 15	12:00 PM	Maplewood Mall Video Filming
Thursday, September 18	3:00 PM	50th Anniversary Celebration
Friday, September 19	11:30 AM	Emergency Response Plan Discussion
Tuesday, September 23	ALL DAY	MAWA Fall Meeting in Sauk Centre
Wednesday, September 24	8:30 AM	HR Bootcamp Seminar
Thursday, September 25	8:00 AM	Metro-INET Cybersecurity Tabletop

B. **Upcoming Meetings and Dates**

Metro Watersheds Meeting	October 21, 2025
CAC Meeting	October 28, 2025
November Board Meeting	November 5, 2025
Watershed Excellence Awards	**November 20, 2025**
CAC Meeting	December 2, 2025
Minnesota Watersheds Annual Conference	December 3-5, 2025
December Board Meeting	December 10, 2025

C. **Staff Anniversaries**

There are no staff anniversaries in October.

D. **Board Action Log and Updates**

The board action log is attached. I review this list monthly and add any suggestions made in the previous meeting.

E. **Minnesota Watersheds Updates**

The annual Minnesota Watersheds conference and meeting is scheduled for December 3-5. The agenda hasn't been set yet, but there is some information on the website for your information. Wednesday, the 3rd, will be when the workshops will be held, with the concurrent session and banquet to be held on Thursday, the 4th. Friday morning is typically

the business meeting before you can head home. Here is a link to the website where more information will be posted as it is available. https://www.mnwatersheds.com/annual-conference

Look for an email from Emily in the coming weeks to ask whether you would like to be registered for the event.

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

RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

Board of Managers 2025 Action Log

October 1, 2025

Item	Anticipated Action Date	Means of Action
~~PFAS Update and Planning~~	~~Oct 2025~~	~~Presentation and Board Discussion~~
Chloride Use Reduction/Low Salt Design/Calibration Techniques	Nov 2025	Presentation and Board Discussion
Shoreland Assessment	Early 2026	Presentation and Board Discussion
Impervious Surface Reduction Planning	2026	Presentation and Board Discussion
Wetland Bounce Regulations	2026	Rules Technical Advisory Committee

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Project and Program Status Reports

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RAMSEY-WASHINGTON METRO WATERSHED DISTRICT

BARR

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 2025
Date:	September 25, 2025

Note: The location, brief description, and current status of each project described below can be found on the *2025 Ramsey-Washington Metro Watershed District (RWMWD) engineering services story map*.

Project feasibility studies

A. Manufactured homes resilience evaluation (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg)

This project aims to complete an inventory of manufactured home developments within the RWMWD, identify potential project opportunities to increase resilience to regional flooding, reduce localized flood risk, improve water quality, and connect with developments to provide information on opportunities to improve stormwater conveyance and/or water quality within each development.

During this period, Barr and the RWMWD summarized the potential projects and conceptual designs for Five Star Estates in Vadnais Heights and shared the concepts with property management. We also presented concept designs to Thirty-Twenty Estates (Little Canada) and Terrace Heights (Landfall) for review. Thirty-Twenty Estates is interested in native plantings along the Rice Street corridor and a mini forest concept along its southern property boundary. The RWMWD coordinated with the property owner to the south as well as Ramsey County Public Works to discuss the feasibility of these projects. Both parties have indicated that these projects can move forward. At this time, we have no other site visits scheduled and have not received feedback on concept designs for Five Star Estates and Terrace Heights. We anticipate that the project will be completed later this year.

B. Evaluation of compliance with the South Metro Mississippi River total suspended solids (TSS) total maximum daily load (TMDL) (Barr project manager: Tyler Olsen; RWMWD project manager: Eric Korte)

This project aims to understand how the Beltline watershed compares to the required categorical waste load allocation from the South Metro Mississippi River TSS TMDL and identify TSS reduction strategies if TSS loading exceeds the maximum areal load.

This period, Barr updated our analysis of existing water quality and flow data through 2024 for the Beltline interceptor and modeling of TSS loads using FLUX32 modeling software (a program developed by the U.S. Army Corps of Engineers in collaboration with the Minnesota Pollution

Control Agency (MPCA). TMDL reporting has been delayed again in 2025 due to ongoing development of the MPCA's new reporting system. Barr also began summarizing the modeling analysis in a memo to prepare for reporting in 2026 (or when it is required again).

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

This study aims to support the 2025 enhanced street-sweeping grant program.

During this period, Barr coordinated with the RWMWD regarding the utilization of grant funding for large capital expenditures (e.g., the purchase of street sweeping equipment). For the remainder of 2025, we will continue helping the RWMWD implement the enhanced street-sweeping grant program, including municipal coordination, identification of priorities, and technical analysis as questions arise.

D. Interim emergency response plans (non-Beltline areas) (Barr project manager: Gareth Becker; RWMWD project manager: Paige Ahlborg)

This project aims to provide cities with information and guidance on how to protect low-lying habitable structures from flooding during the 100-year storm event. These emergency response plans address areas where 1) a feasible project to protect structures has not been identified or 2) a project cannot be implemented soon due to logistical and/or budgeting concerns. This effort is an outcome of the resiliency study.

During this period, Barr reviewed draft figures for emergency flood risk mitigation measures and site-specific modifications that could be implemented to reduce flood risk for habitable structures within the floodplain. In October, we will update the figures and share them with each city. We will meet with each city later in October or November to discuss the mitigation measures needed for each property and will complete the study by the end of the year.

E. Flood Risk Reduction Feasibility Study: Roseville Central Park (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg)

This project aims to identify strategies or combinations of strategies and system modifications that would remove habitable structures near Central Park in Roseville from the 100-year floodplain.

During this period, Barr began summarizing the modeling and alternatives analysis in a technical report. The City of Roseville will continue to discuss concepts internally to determine feasibility and a potential implementation schedule. Based on preliminary discussions, raising a trail within Central Park may be the first project to be implemented. Barr and the RWMWD will work with the city to refine this concept and discuss design/construction timelines.

F. Stormwater model updates (Barr project manager: Michael McKinney; RWMWD project manager: Paige Ahlborg)

This project aims to maintain and update the RWMWD hydrologic and hydraulic (stormwater) model in response to updates to best-available information, including recently completed and

ongoing stormwater modeling projects.

During this period, Barr continued updating the stormwater model, including coordinating with Capitol Region Watershed District to merge a portion of its modeling into the RWMWD model.

As noted in the previous update, the Saint Paul Beltline modeling project was initiated on May 15, about one month behind the anticipated schedule. Additionally, survey of the Beltline tunnel is still delayed due to high water in the tunnel. Barr is currently tracking these project delays and will coordinate with the RWMWD to complete the tasks outlined in this scope as the Saint Paul Phalen Lake and Beltline projects progress. During the next period, our goal is to complete initial runs of the two models converted to RWMWD modeling methodology. Model updates are anticipated to continue through the end of the year.

G. Studies stemming from creek walks (Barr project manager: Brandon Barnes; RWMWD project manager: Eric Korte)

The purpose of this project is to review information collected from creek walks and identify and prioritize locations for future creek improvement and stabilization projects.

During this period, Barr met with the RWMWD to review the data and observations to be collected while walking creeks within the district. We discussed the information needed to begin feasibility studies for stabilizing eroded sections of creeks. After the RWMWD completes the creek walks later this year, Barr and the district will review the collected data to identify and prioritize locations for creek improvement or stabilization projects.

H. Wetland restoration planning (Barr project manager: Brendan Dougherty; RWMWD project managers: Paige Ahlborg and Paul Erdmann)

This project aims to lay the groundwork for what will hopefully be the district's next two wetland restoration projects: the Plateau wetland in Saint Paul and the Schletty wetland in Little Canada.

During this period, Barr prepared a scope summary describing the evaluation of restoration options for the Plateau and Schletty wetlands. This effort will last multiple years. At present, we anticipate that if the restoration projects are ultimately deemed feasible, they will not be constructed until 2027 (Plateau wetland) and 2028-2029 (Schletty wetland). Barr also coordinated with the district to complete wetland delineations at both sites.

Watershed management plan update

I. Watershed management plan update, phase 1: stakeholder engagement (Barr project manager: Greg Williams; RWMWD project manager: Tina Carstens)

This project aims to help the RWMWD collect and interpret partner input as the district updates its watershed management plan.

During this period, Barr began developing a summary of the initial engagement results, including online survey results collected since WaterFest. We also met internally to identify "complex issues" that may require focused technical analysis before plan document writing and to

summarize district tools developed since the 2017 plan. Next, Barr will complete a draft of the initial engagement steps and collaborate with the RWMWD to plan and host a manager workshop to prioritize issues.

J. Water management plan update, phase 2: complex pre-work (Barr project managers: Greg Williams and Erin Anderson Wenz; RWMWD project managers: Tina Carstens and Paige Ahlborg)

This work aims to develop specific aspects of the district's future watershed management plan that deserve extra consideration and discussion (topics such as chloride management, PFAS, and more) so that the RWMWD's approach is defined by the time of plan writing.

During this period, Barr worked on a draft scope summary for the development of a RWMWD chloride management strategy that would leverage multiple program areas, such as the district's regulatory, stewardship grant, targeted retrofit, permitting, and education and outreach programs. The RWMWD will provide an outline of the approach to the managers for review and approval at the November board meeting.

Lake studies and TMDL reports

K. 2025 grant applications (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Tina Carstens)

This effort aims to help the RWMWD locate and secure funding opportunities that align with its goals and objectives.

In July, the Minnesota Department of Natural Resources (DNR) announced that the RWMWD is invited to apply for the 3M PFAS priority 2 grant funding for both the Fish Creek tributary stream restoration project and the Kohlman Lake alum treatment project. Barr and the RWMWD are currently developing grant applications and soliciting letters of support for the two projects.

Research projects

L. New-technology mini case studies (average of six per year) (Barr project manager: Marcy Bean; RWMWD project manager: Paige Ahlborg)

This project aims to educate the board and RWMWD staff members on new and interesting technologies and design strategies related to water quality improvements and other issues of concern. The information provided is often based on the manufacturer's claims and has not been modeled or tested by the RWMWD or Barr unless explicitly stated.

A memo summarizing chloride removal technologies is attached for the managers' review.

M. Wakefield Lake aeration feasibility study (Barr project manager: Tyler Olsen; RWMWD project managers: Paul Erdmann and Eric Korte)

This project aims to evaluate the effectiveness of increasing dissolved oxygen concentrations in Wakefield Lake via aeration methods to control internal phosphorus loading.

During this period, Barr prepared the technical memorandum included in last month's board packet, summarizing the conceptual design and feasibility study findings to date. We also continued coordinating with the DNR on permitting requirements for the system, as well as with the City of Maplewood, as the system will be housed on city property within Wakefield Park.

Project operations

N. Lake-level station operation and maintenance and rain gauge installation (Barr project manager: Chris Bonick; RWMWD project manager: Dave Vlasin)

This project aims to continuously measure and record lake levels and display real-time and historical data in graphs on the RWMWD website for the following lakes: Phalen, Snail, Owasso, Wabasso, West Vadnais, Battle Creek, Tanners, Spoon, and Twin. Operation and maintenance tasks for the lake-level stations and associated webpages continue. Station-specific updates are included below.

Lake-level station maintenance

Lake Wabasso Station equipment has been temporarily removed so the outlet structure can be replaced. Construction on the new outlet structure is scheduled to begin in September. The HSA bubbler system originally located at the Tanners station has been tested, repaired, and is ready for installation at the Owasso station. This will be installed in October.

Tanners Lake station
The HSA bubbler system has been replaced with a Campbell Scientific radar sensor. During the first few years, the bubbler system experienced repeated issues, mainly due to the long run of the river line (i.e., the airline) into the lake and heavy vegetation around the sensor. The RWMWD and Barr determined that installing a radar sensor inside a stilling well on the lake's shore would be a better option. The new radar sensor has been temporarily mounted on a post that stands in the lake. It will be moved once the stilling well has been constructed in 2025.

O. Lake-level station forecast integration (Barr project manager: Greg Fransen; RWMWD project manager: Eric Korte)

This project aims to develop a tool that analyzes rainfall forecasts and current lake-level information and then recommends when the control structures for Lake Phalen and Keller Creek should be operated. The goal is to develop a tool that can be used to automate adjustment of the control structures so that the RWMWD does not have to manually monitor rainfall forecasts and to format the tool so that it can be provided to In Control, Inc., in the future to update the programable controls for the outlets.

During this period, Barr met with RWMWD staff members Eric Korte and David Vlasin to describe the automated tool's output and gather input for the format of automated warning messages that will be sent when the weather forecast and/or lake levels meet the operation plan's criteria for changes in outlet operation. Barr then worked on updates to the alarm notification formats.

This project is nearing completion. A summary memo to document the work is in progress.

Capital improvements

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

This project aims to develop construction documents for a multi-phase flood management and water quality improvement project at the Roosevelt Homes public housing area in Saint Paul.

Roosevelt Homes is a flood-prone multifamily housing area owned by the Saint Paul Public Housing Authority. During the first part of this multiyear phased retrofit, two stormwater basins were constructed in late 2023, and the vegetation components were planted in 2024. Construction of phase 3 improvements is being funded in part through an MPCA Implementation Grant for Stormwater Resilience.

A ribbon-cutting ceremony was held at the playground on September 3, and the final pay application for phase 3 is included in this month's board packet. Three phases of design and construction for Roosevelt Homes have concluded, with maintenance of the native plantings and prairie hillside continuing through October 2026.

Q. Targeted retrofit projects 2025 (Barr project manager: Marcy Bean; RWMWD project manager: Paige Ahlborg)

This project aims to design BMP retrofits on previously identified commercial, school, and faith-based properties in the district, as well as to provide bid assistance and oversee construction.

Construction is complete at Cochran Recovery Services. Plants will have a one-year warranty, and Minnesota Native Landscapes will continue maintaining the native seeding areas for two years.

The roof will soon be replaced at St. Paul Youth Services. As discussed with the roofing contractor, the "green" portion of the roof will wait until spring so that an adequate range of weather has occurred to confirm that no leaks are found in the new roof materials prior to adding the plants.

For potential 2026 retrofit projects: Design will begin in October at Gustavus Adolphus Lutheran Church of Saint Paul, and site analysis will be initiated for Thirty Twenty Estates and 1670 Beam Avenue. Once stormwater management options are evaluated and vetted with property owners, the board will receive them for budgeting purposes, and full plans will be reviewed late this winter.

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

This project aims to design and implement vegetation improvements around Double Driveway Pond as well as stream stabilization improvements in the Fish Creek tributary upstream.

The project received an invitation to apply for 3M PFAS priority 2 funding, meaning that construction will be delayed until 2026. Recently, Barr finalized plans and technical specifications and continued preparing contract documents for bidding this period. The proposed bidding and construction schedule will depend on the grant funding received, which will be announced in spring 2026.

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

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

Barr continued coordinating construction activities with Dimke Excavating. We provided on-site construction oversight and coordination with the contractor and the RWMWD. We also oversaw punch-list planting requirements and reviewed pay application 3. The site has now entered the three-year maintenance phase. Barr will continue monitoring vegetation establishment and weed management.

T. Kohlman Creek improvements (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg)

This project aims to design multiple flood risk reduction improvement projects 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.

Construction began the week of September 15 on the improvements that are a part of the Kohlman Creek flood risk reduction project. The contractor, New Look Contracting, is working on both sites (County Road C and PCU Pond) simultaneously. Barr and the RWMWD are overseeing construction.

Per direction from the RWMWD, change order 1 was developed and is included in this month's board packet for the removal of three ash trees around PCU Pond. The district had previously identified these trees for removal. Additionally, change order 1 includes a contract extension to

October 31 (previously September 30), given delays in the manufacturing of structures for the project.

U. Lake Wabasso outlet replacement (Barr project manager: Brandon Barnes; RWMWD project manager: Dave Vlasin)

This project aims to design a new outlet for Lake Wabasso. The existing outlet was constructed in 1971 and has reached the end of its design life. Ramsey County determined that the outlet has been leaking beneath the weir wall for several years and that rebuilding the structure is necessary to prevent further seepage. The county requested RWMWD support for a design that both prevents seepage and avoids adverse impacts on floodplain elevations.

This month, Barr continued reviewing contractor submittals and coordinating with property owners. Construction is scheduled to begin on September 29 and be completed in October.

V. Kohlman Lake alum treatment (Barr project manager: Tyler Olsen; RWMWD project manager: Paul Erdmann/Eric Korte)

This project aims to collect the required information and design an alum treatment for Kohlman Lake in Maplewood.

During this period, Barr prepared contract documents for bidding using the Alternative 2 (50 g/m^2 dose in 2026) approach, as the RWMWD directed after September's board meeting discussion.

These contract documents and a memorandum requesting board approval to bid the project are included in this month's board packet. If approved, Barr will bid the project in October 2025. This bidding timeline is recommended so that we can get on contractors' schedules for 2026 early, as contractor availability goes quickly. The alum treatment would occur in spring 2026, with a contract end date of June 1, 2026.

Capital improvement plan (CIP) project repair and maintenance

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

This study aims to address unplanned and routine maintenance of the RWMWD's existing capital improvement projects that are not included in the annual CIP maintenance and repairs project.

This month, Barr reviewed and inspected all sites for inclusion in the 2026 CIP maintenance and repairs project, including sites for the PECS (public-entity cost share) program. Additionally, we continued desktop reviews and fieldwork for pond surveys. Next month, we will discuss and analyze the included sites and develop a bid package and cost estimate for the report quantities for potential inclusion in the 2026 CIP project.

X. RWMWD office parking-lot retrofit (Barr project manager: Marcy Bean; RWMWD project manager: Paige Ahlborg)

This project aims to develop plans and specifications and engage a contractor to improve the RWMWD office parking lot, including a heated porous paver system, ADA-related accessibility improvements, and potentially electric-vehicle (EV) charging stations.

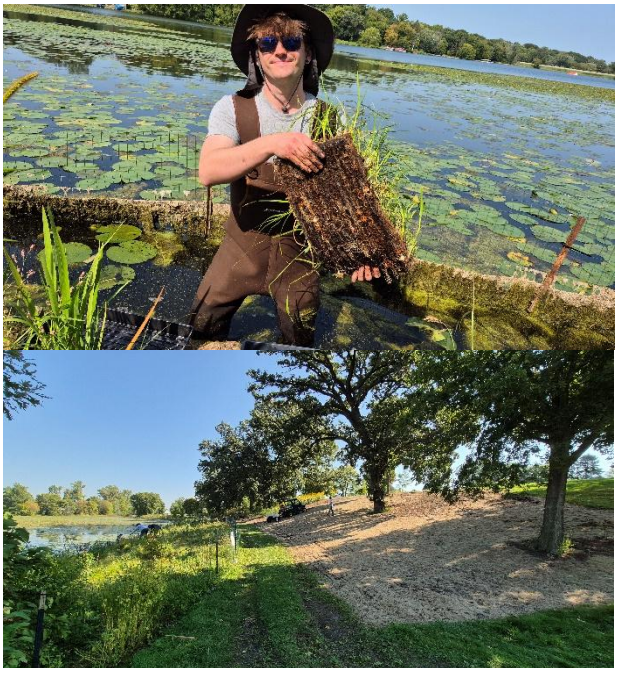
75% plans and specifications will be prepared for review by RWMWD staff and presented for your information, including an opinion of cost for all items.

After approval and obtaining design feedback from RWWMD staff, 100% plans, specifications, and an updated engineer's opinion of cost will be prepared and presented to the Board (we estimate that this would be at the March 2026 meeting). At that time, staff would ask for approval to put the project out to bid. After bidding, if a responsible low bidder is identified, the project could be implemented as early as summer, 2026.

Y. Natural resources program: Paul Erdmann

More Habitat/Water Quality Improvements at Keller Lake

We started our work at Keller Shore in the fall of 2023 with some prep work. We did the major shoreline installation work in 2024 in two phases. Phase 1, installed in the spring of 2024, could not have gone better. Phase 2, installed in the fall of 2024, has been a little more of a challenge, with the seed not establishing well and other setbacks. To remedy this, in September we planted 342 native emergent plants along the shoreline, several flats of transitional species, and 25 "bricks." Bricks are our non-technical term for native plants custom grown in nursery trays/flats. Erosion control fabric is placed in the bottom of the flat, then soil and seed and plugs are added, then erosion control fabric placed on top. This creates an instant carpet of native plants that will hopefully establish quickly to fill in bare areas along the shoreline.



Top: Joe with brick at Keller Shore. Bottom: Keller Shore Phase 2 on left, seeding Hortman Hill on right.

We also seeded and started planting Hortman Hill, a quarter acre hill that slopes down to Keller Lake and our new shoreline restoration that we are converting from mowed turf to prairie and savanna habitat. This week we are gearing up for two volunteer planting events at Hortman Hill, one with our CAC and LEAP team, one with Hawkins, Inc., a private business based in Roseville.

Office Plant Survey

A former BWSR co-worker of Paul's, Dan Shaw, who also teaches classes at the University of Minnesota on restoration ecology, came to the office in September and performed a plant survey with the NR Team as part of a study he is doing. We documented all of the species we observed in the large biofiltration basin in the center of our parking lot and in the prairie areas adjacent to our building.

Dan Shaw and the NR team start the plant survey at our office.

Our site will be included in a study about vegetation in biofiltration basins. The plan is to set up long-term monitoring sites for projects that can be visited every few years so we can better understand plant succession within these types of basins, management needs, and how climate change and other impacts may be playing a role in plant survival. The study will also work to understand the resiliency of individual plant species and all of this information will be used to guide the development of a new state seed mix for biofiltration areas. In the future, youth and early career professionals could assist with monitoring information at various sites to build their plant ID and other skills.

Z. Communications and engagement program: Lauren Hazenson

Teacher Planning Meetings

This fall, RWMWD education staff met with 30 teachers from eight partner schools to prepare for the 2025–2026 school year. These meetings focused on aligning classroom curriculum with watershed education goals, scheduling field experiences, and tailoring lessons to fit each school's unique needs. Early planning ensures strong partnerships and consistent engagement with students throughout the academic year.

Central Park Elementary School

On September 19, RWMWD staff visited Central Park Elementary to deliver introductory watershed lessons to two fifth-grade and two sixth-grade classrooms, reaching approximately 120 students. Fifth graders explored the Enviroscape model and examined their school's on-campus rain garden, using plant collages, root displays, and hands-on activities to discuss water pollutants and strategies for prevention. Sixth graders, many of whom had participated in watershed programming the previous year, built on their prior knowledge through the "Incredible Journey" game. This interactive activity allowed students to role-play the path of a water molecule as it moved through nine possible forms such as soil, river, cloud, or animal. Each transition was recorded on a colorful beaded timeline that students could use to retell their unique "water journey."

Although walking trips to the nearby nature center were rained out, the staff adapted by bringing native plants into the classroom. Students worked in pairs to examine seed heads using jeweler's loupes, then matched their samples to known species using the Phalen Guide. This plant study not only reinforced lessons on native species but also encouraged observation and inquiry skills. Despite the weather challenges, the day provided engaging and meaningful watershed learning experiences for both grades.

50th Anniversary

September 18th Celebration

The staff event planning team, which included Paige, Emily, Carrie, and Jule, worked together seamlessly to plan an execute a truly meaningful and memorable anniversary celebration. The whole RWMWD team put forth extra effort to transform our office and garage into an event space, cleaning and organizing to expand our gathering options in the event of rain. Thankfully, the rain held off until almost exactly 6pm, when the event officially ended. Several visitors complimented the history display indoors, a culmination of almost a year of work by our semi-official district historian Kyle. This event not only showed the successful projects in the ground, but also the strength of our relationships built with partners and internally among staff, volunteers, and committees.

50th Video Campaign

Jule filmed and edited a series of videos showcasing some of the landmark RWMWD projects through interview videos. Our campaign throughout the week told the stories of the Battle Creek improvements, the Maplewood Mall project, and the Phalen shoreline restoration in a format and language accessible to most viewers. These videos performed especially well on Instagram, where our increased output on Reels continues to perform well in engagement and viewer stats.

Recognition Dinner and Watershed Excellence Awards

Thursday, November 20th
6:00 PM
Keller Golf Course

This month we continued to promote the Watershed Excellence Award nomination form. Preparations moved forward as we completed an invitation list, designed the invitation and reminders, and ordered the blown glass awards. Sadly, our awards artist Eric Somers is closing his studio after this season, completing a long tradition of these beautiful, one-of-a-kind Watershed Excellence Awards.

Sign Audit

Communications Intern Cooper Klotzbach has visited multiple project signs throughout the district to catalog their condition, log their dimensions and write a description of their content. RWMWD does not have a central file tracking our signage, and several of the older signs have no physical records. Our goal is to install updated signs, and also create a process to track these signs for future maintenance or replacement.

Management Plan Public Engagement Phase 1 Completed

RWMWD staff and gathered 98 paper based surveys throughout the summer at community festivals, farmer's markets, family events, and Earth Day celebrations. This was in addition to the 99 plus surveys gathered via the ArcGIS survey page, submitted by community members at WaterFest and via our website.

Zan Associates led engagement activities

A full summary of these activities and a report of the results will be included in a public engagement summary as part of a Board workshop later this year. A comprehensive report from Zan will also be available in early October.

Maplewood – 9/3/25 – 6-7 PM
Four participants attended the focus group, which was moved online due to lower registration numbers. The format switch garnered immediate results, with eight residents registering for the meeting capped at ten participants per Zan Associates recommendation. Four participants struggled to participate in the meeting via Zoom and instead answered the questions via a form after the event concluded. Zan delivered a summary of the focus group and a preliminary report.

- **East Side and Battle Creek– via Zoom, 9/9/25 – 6-7 PM (virtual)**
  This focus group is currently full, but we may expand beyond ten participants to include a few youth from East Side Boys and Girls Club.
- **Landfall- 9/23/2025 –** Zan Associates staff, including a Spanish language interpreter, will attend Open Cupboard event to complete interviews with the food shelf attendees. An average of 100 Landfall residents stop by the food shelf every month.

Catalyst

Jule and Lauren attended Catalyst in Milwaukee from September 22- 24 as one of the 150 selected applicants from across the country. Catalyst is a summit billed as "an immersive experience designed to transform the way water professionals engage with their communities, the media, and elected officials." Sessions included presentation or workshops from Milwaukee Mayor Cavalier Johnson, Water PIO President Mike McGill, reporter Jordan Gass-Poore, and HDR Senior Strategic Communications Lead Ameerah Palacios.

Social Media (Facebook, YouTube, Instagram, LinkedIn)

Facebook

Reach: 3,861
Engagement (likes, shares): 142
Followers: 1,796

Instagram

Reach: 5,732
Engagement: 227
Audience: 1,021

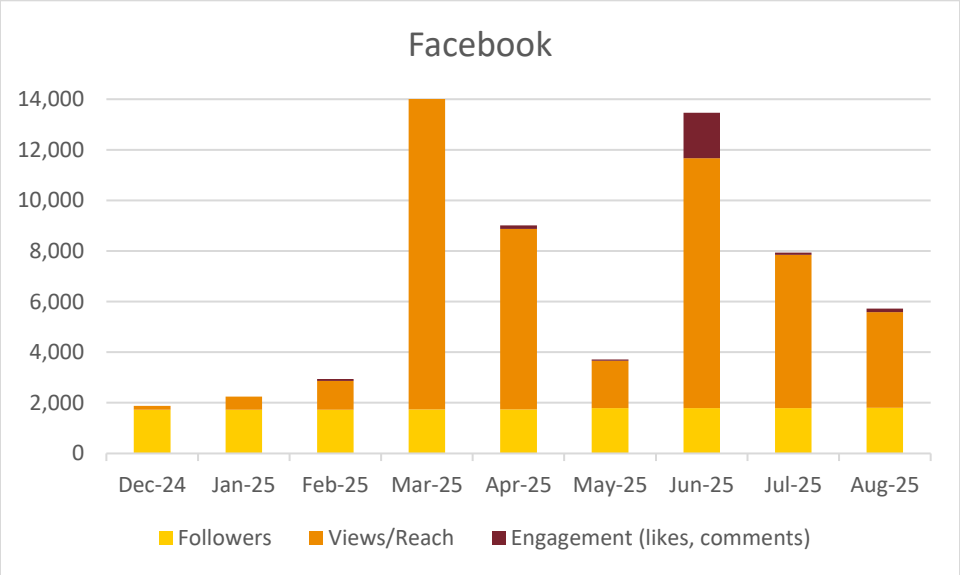
YouTube

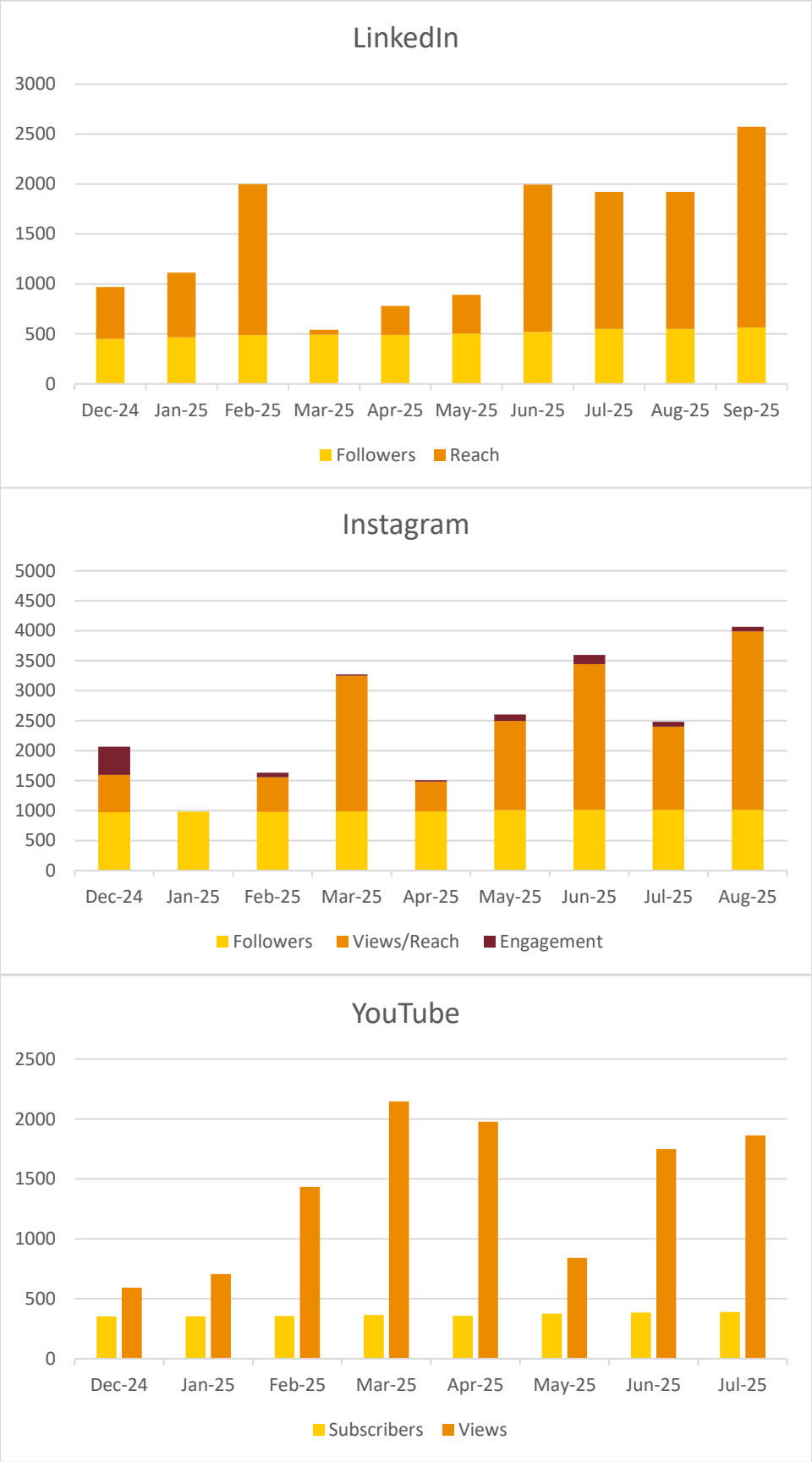
Views: 892
Watch time (hours): 21.7
Subscribers: 394
Viewers: 1,649

LinkedIn

Reach: 2009
Engagement:
Audience: 565

Social Media and Website Trends

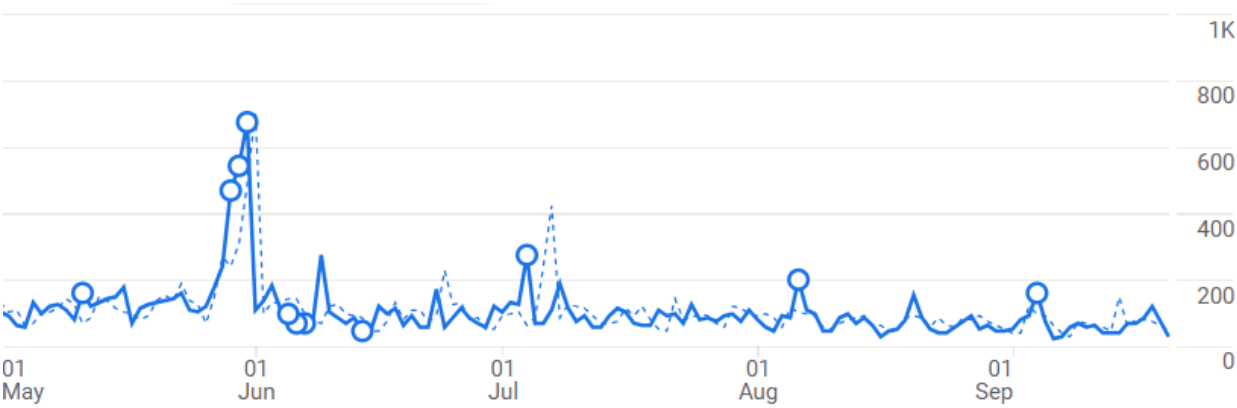



LinkedIn
3000
2500
2000
1500
1000
500
0
Dec-24
Jan-25
Feb-25
Mar-25
Apr-25
May-25
Jun-25
Jul-25
Aug-25
Sep-25
Followers
Reach
Instagram
5000
4500
4000
3500
3000
2500
2000
1500
1000
500
0
Dec-24
Jan-25
Feb-25
Mar-25
Apr-25
May-25
Jun-25
Jul-25
Aug-25
Followers
Views/Reach
Engagement
YouTube
2500
2000
1500
1000
500
0
Dec-24
Jan-25
Feb-25
Mar-25
Apr-25
May-25
Jun-25
Jul-25
Subscribers
Views

All four channels had sustained growth so far this year, with Instagram and LinkedIn showing the largest gains in followers and views compared to the same time period in 2023/2024. Seasonally, we tend to see a peak in new followers, reach, and engagement in May and June, but this year it has sustained a markedly higher number of views into July, August and September. The Instagram and Facebook follower numbers seem largely unaffected, with the same steady increase rate compared to that of 2022- 2024 around the same time.

Did increased in person engagement and events impact our social media numbers?

August and September numbers in particular seem to indicate that this is the case. However, the results are not immediate or dramatic. What may show long term impact is a repeat of our community survey conducted in February 2024, particularly responses to the question of whether residents recognize our name and logo and understand the purpose of a watershed district. We plan to conduct this survey again in 2027, roughly three years out from the initial survey. Website stats also show some positive changes, as the dots in the chart below indicate several upticks of traffic to the site around Watershed Week and some tabling events.



Our website analytics show a different story, with clear peaks in page visits around WaterFest and Watershed Week. New visits to the website during the three weeks leading up to WatersFest tend to vastly outperform our average website hits for the rest of the year.

AA. Citizen Advisory Committee (CAC): Carrie Magnuson

The Citizen Advisory Committee met on September 23rd, 2025 at 6:30 pm at the RWMWD office and Zoom

In attendance were 12 CAC members, and 1 staff member. The following initiatives were discussed and further developed

Watershed Excellence Awards & Volunteer Recognition Dinner planning

Last year 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. This year, there were only 6 nominations submitted, so no staff review was needed. The CAC reviewed the applications and will

vote on their final selection by Friday 9/26. Board of Managers will then be informed about the finalists for the following three award categories.

1. Category: Good Steward
2. Category: Watershed Partner
3. Category: Educator

A sub-committee of the CAC is interested in developing educational centerpieces for the Volunteer Recognition Dinner (November 20th, 2025) that highlight a lake within the Watershed and nearby projects.

Outreach & Engagement Volunteer Program

General volunteer opportunities**:**

- **Annual CAC & LEAP Team Planting -** CAC & LEAP Teams met just before the 9/22/25 meeting at Keller Lake shoreline to plant along a hillslope. Paul Erdmann, Natural Resources Program Manager, and his team did an incredible job preparing the site, providing plants, and auguring holes. Paul estimates they planted about 768 native plant plugs that will further expand the connected habitat corridor in the Phalen Chain of Lakes and expand the vegetative buffer width on this southeast shoreline of the lake.