



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

August 2026 Board Packet

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Agenda

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Regular Board Meeting Agenda

Wednesday, August 5, 2026

6:30 PM

This month's meeting will be held at the district office (2665 Noel Drive, Little Canada, MN) and via Zoom. Board members, staff, consultants, and the public can join in person OR via video and/or phone. The public can listen to the meeting but not participate, except during the visitor comments portion of the agenda. Instructions for joining the Zoom meeting are available 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 Board Workshop Minutes July 1, 2026 (pg. 7)
 - B. Approval of Regular Meeting Minutes July 1, 2026 (pg. 8)
 - C. Treasurer's Report and Bill List (pg. 12)
 - D. Regulatory Program
 - i. 26-22 Little Canada Senior Housing, Little Canada (pg. 25)
 - ii. 26-23 Conway Family Center, St. Paul (pg. 39)
 - E. Stewardship Grant Program
 - i. 26-31 CS MECA Urban Soil Health Workshop (pg. 43)
 - ii. 26-32 CS Mabe (pg. 44)
 - F. Gustavus Adolphus Targeted Retrofit – Change Order No. 1 (pg. 46)
4. Visitor Comments (limited to 4 minutes each)
5. Regulatory Program
 - A. Applications
 - i. **26-24 The Heights Public Amenities – Outlots F, A, B, St. Paul (pg. 51)**
 - B. Regulatory Monthly Memorandum (pg. 72)
6. Stewardship Grant Program
 - A. Applications
 - i. 26-27 CS Berget-Trevis (pg. 77)
 - B. Budget Status Update (pg. 80)
7. Action Items
 - A. **RWMWD Office Improvements Bid Rejection and Authorization to Rebid (pg. 82)**
 - B. **Fish Creek Tributary Stream Restoration Approval of Plans and Authorization to Advertise for Bid (pg. 86)**
8. Attorney Report
9. Board Discussion Topics
10. New Reports and/or Presentations
 - A. 2027 Budget Planning (pg. 111)
 - B. Communications and Outreach Plan (pg. 124)
11. Administrator's Report (pg. 135)
 - A. Meetings Attended

- B. Upcoming Meetings and Dates
- C. Staff Anniversaries
- D. Board Action Log
- E. Minnesota Watersheds Updates
- 12. Project and Program Status Reports (*pg. 191*)
 - Project Feasibility Study*
 - A. Landfall Best Management Practice Study
 - B. Five Star Estates Feasibility Study
 - C. Chloride Reduction Strategy
 - D. Tanners Lake, Battle Creek Lake, and Battle Creek Resiliency Feasibility Study
 - E. RWMWD Stormwater Model Updates
 - F. Studies Stemming from Creek Walks
 - G. Wetland Restoration Planning
 - H. Battle Creek Subwatershed Feasibility Study (Phase 2)
 - Monitoring Water Quality/Project Monitoring*
 - I. Special-Project BMP Monitoring
 - J. Water Quality Data Management
 - Watershed Management Plan Update*
 - K. Watershed Management Plan Update, Phase 3: Draft Plan Development
 - Lake Studies and TMDL Reports*
 - L. 2026 Grant Applications
 - Project Operations*
 - M. Lake-Level Station Operation and Maintenance and Rain Gauge Installation
 - N. Phalen and Keller Lakes Level Station Forecast Integration
 - O. Beltline and Battle Creek Gopher State One Call Utility Locates
 - Capital Improvements*
 - P. 2026 Targeted Retrofit Projects
 - Q. Fish Creek Tributary Improvements
 - R. Cottage Place Wetland Regeneration
 - S. Ames Lake Improvements
 - T. Wakefield Lake Aeration
 - CIP Project Repair and Maintenance*
 - U. Routine CIP Inspection and Unplanned Maintenance Identification
 - V. McKnight Basin Outlet Repairs
 - W. RWMWD Office Exterior Improvements
 - Program Updates*
 - X. Natural Resources Program
 - Y. Communications and Outreach Program
- 13. Manager Comments and Next Month's Meeting
- 14. **Adjourn**



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

NOTICE OF REGULAR BOARD MEETING

Wednesday, August 5, 2026

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/84842050453>

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 4205 0453**. The meeting password is **483193**. 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 Special Board Workshop Meeting
July 1, 2025**

The Special Board Workshop Meeting of July 1, 2025, was held at the District Office Board Room, 2665 Noel Drive, Little Canada, Minnesota, at 5:00 p.m.

PRESENT:

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

ABSENT:

ALSO PRESENT:

Staff:

Tina Carstens, District Administrator
Paige Ahlborg, Assistant Administrator
Paul Erdmann, Natural Resources Program Manager
Nicole Maras, Regulatory Program Manager
Lauren Hazenson, Communications and Engagement Program Manager

Consultants:

Greg Williams, Barr Engineering
Brandon Barnes, Barr Engineering

Visitors:

none

1. CALL TO ORDER

President Eisele called the special board workshop to order at 5:00 p.m.

2. WELCOME AND INTRODUCTION

Greg Williams reviewed the information that would be discussed during the workshop. Greg provided a recap of where the District was at in the plan update process and reviewed the management plan development timeline.

3. DISCUSS DRAFT IMPLEMENTATION TABLE

The Board discussed the draft implementation table. The Board provided first impressions, performed a category review, completed a prioritization exercise, discussed if the work listed in the implementation table reflected the right balance of work for the District to complete over the next ten years.

Discussions were to be continued at the July Board meeting following the workshop.

7. ADJOURN

The meeting was adjourned at 6:10 pm.



**Ramsey-Washington Metro Watershed District
Minutes of Regular Board Meeting
July 1st, 2026**

The Regular Meeting of July 1st, 2026, 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 is available at <https://youtu.be/tuQQJqKVqLI>. Video timestamps are included after each agenda item, in minutes.

PRESENT:

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

ABSENT:

ALSO PRESENT:

Staff:

Tina Carstens, Administrator
Paige Ahlborg, Assistant Administrator
Nicole Maras, Regulatory Program Manager
Kyle Kubitza, Monitoring Technician
Dave Vlasin, Project Coordinator
Cooper Klotzbach, Inspector Intern
Lauren Hazenson, Communications Program Manager
Paul Erdmann, Natural Resources Program Manager

Consultants:

Laurann Kirschner, Galowitz-Olson PLLC
Brandon Barnes, Barr Engineering
Greg Williams, Barr Engineering

Visitors:

Michael Miller, Visitor

1. CALL TO ORDER

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

2. APPROVAL OF AGENDA (0:)

President Eisele proposed adding section 2.5 to continue discussions from the Board workshop held prior to the Board meeting.

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

Motion approved.

Motion: Manager Wang moved, Manager Karp seconded to amend the agenda to remove Stewardship Grant Program applications 26-27 CS Berget-Trevis from the consent agenda and move it to Stewardship Grants Program item 6Ai.

Motion approved.

2.5. WATERSHED MANAGEMENT PLAN WORKSHOP CONTINUED DISCUSSION (1:30)

Tina Carstens reviewed the topics that were discussed during the workshop.

The Board continued Watershed Management Plan workshop discussions, which included what implementation activity Managers would add that haven't been represented in the draft implementation table and final thoughts on the implementation table.

3. CONSENT AGENDA (10:32)

- A. Approval of Board Meeting Minutes June 3, 2026
- B. Treasurer's Report and Bill List
- C. Stewardship Grant Program
 - i. 26-27 CS Berget-Trevis
 - ii. 26-29 CS Slood
 - iii. 26-30 CS St. Paul 2026 Street Sweeping

Manager Grogan moved, Manager Gernes seconded to approve the consent agenda as amended.

Motion approved.

4. VISITOR COMMENTS (13:28)

No comments.

5. REGULATORY PROGRAM (13:47)

- A. Applications
 - i. 26-20 Maplewood 2026 Street Improvements, Maplewood

Nicole Maras provided information on permit application 26-20 Maplewood 2026 Street Improvements, Maplewood. Nicole explained that the project included underground treatment as well as residential boulevard rain gardens with 5 residents committed so far. Nicole noted there was a variance request for wetland buffer disturbance. Nicole explained that there would be no impacts to wetland areas. Nicole stated there were three areas with temporary disturbance for erosion control placement and roadway reconstruction and one permanent change over existing conditions which would be installation of a new flared end structure.

Motion: Manager Grogan moved, Manager Gernes seconded to approve permit application 26-20 Maplewood 2026 Street Improvements, Maplewood with the variance request.

Motion approved.

- ii. 26-21 County Road C Bridge – Oxford to Victoria, Roseville

Nicole Maras provided details of permit application 26-21 County Road C Bridge – Oxford to Victoria, Roseville. Nicole explained that this is a continuation of the County Road C reconstruction being done by the county. Nicole provided details of the work that would be done and noted they are proposing an iron-enhanced filtration basin as well as a variance request for temporary wetland and buffer impacts.

Motion: Manager Karp moved, Manager Grogan seconded to approve permit application 26-21 County Road C Bridge – Oxford to Victoria, Roseville with the special provisions and variance request.

Motion approved.

The Board directed staff to include permit applications with variance requests for temporary disturbances of wetland buffers that have a staff recommendation for approval on the consent agenda.

- B. Regulatory Monthly Memorandum

Nicole Maras reviewed the monthly regulatory memorandum.

6. STEWARDSHIP GRANT PROGRAM (37:31)

A. Applications

i. 26-27 CS Berget-Trevis

Paige Ahlborg provided details of the Stewardship Grant application 26-27 CS Berget-Trevis. Manager Wang expressed concern that the design plan would not align with the goals set for a stewardship grant. Manager Wang did express support for the native planting portion of the project. Paige Ahlborg provided more details on the permeable pavers shown in the design plan.

Motion: Manager Gernes moved, Manager Grogan seconded to approve stewardship grant application 26-27 CS Berget-Trevis amended to only approve the native planting.

Motion approved.

B. Budget Status Update

Paige Ahlborg reviewed the budget status report.

7. ACTION ITEMS - none

8. ATTORNEY REPORT (47:23)

Laurann Kirschner discussed the work the attorney's office completed throughout June.

9. BOARD DISCUSSION TOPICS (47:44)

President Eisele discussed increasing the dollar limit for Stewardship Grant staff approvals.

10. NEW REPORTS AND/OR PRESENTATIONS

A. Communications and Engagement Program Presentation, Lauren Hazenson (50:52)

Lauren Hazenson provided an overview of communication and engagement activities that occurred over the past year. Lauren highlighted new projects that were added such as Watershed Week, Get Gritty campaign, spring workshops and the Outreach and Engagement Volunteers pilot program. Lauren went on to discuss the impact of the work being done noting that 1,735 students had been reached, there were 19 tabling events attended and an increase in followers across social media sites. Lauren provided information on the future projects the Communications and Engagement team would be working on, including a communications and engagement plan, more tracking, and strategic engagement around lake health. Lauren went on to review the shoreline property owner survey results and analysis.

B. New Technology Memo: Membrane Filters (1:49:40)

Brandon Barns reviewed the New Technology Memo : Membrane Filters. Brandon provided additional information on membrane filters.

11. ADMINISTRATOR'S REPORT (1:57:46)

A. Meetings Attended

B. Upcoming Meetings and Dates

C. Staff Anniversaries

D. Board Action Log

E. Minnesota Watershed Updates

F. Upcoming Meeting Dates

Motion: Manager moved, Manager seconded to adjust the meeting dates for the RWMWD Regular Board Meeting from September 2 to September 9, 2026.

Motion approved.

G. Stormwater Reuse Restrictions from the Plumbing Board Update

H. 2027 Budget Planning Memo

Tina Carstens provided information on the 2027 Budget Planning Memo.

12. PROJECT AND PROGRAM STATUS REPORTS (2:22:45)

Project Feasibility Studies

- A. Landfall Best Management Practices
- B. Five Star Estate Feasibility Study
- C. Chloride Reduction Strategy
- D. Tanners Lake, Battle Creek Lake, and Battle Creek Resiliency Feasibility Study
- E. RWMWD Stormwater Model Updates
- F. Studies Stemming from Creek Walks
- G. Wetland Restoration Planning
- H. Battle Creek Subwatershed Feasibility Study (Phase 2)

Monitoring Water Quality/Project Monitoring

- I. Special-Project BMP Monitoring
- J. Water Quality Data Management

Watershed Management Plan Update

- K. Watershed Management Plan Update, Phase 3: Draft Plan Development

Lake Studies and TMDL Reports

- L. 2026 Grant Applications

Research Projects

- M. New Technology and Trending Topics Mini Case Studies

Project Operations

- N. 2026 Tanners Alum Facility Monitoring
- O. Lake-Level Station Operation Maintenance and Rain Gauge Installation
- P. Phalen and Keller Lakes Level Station Forecast Integration
- Q. Beltline and Battle Creek Gopher State One Call Utility Locates

Capital Improvements

- R. 2026 Targeted Retrofit Projects
- S. Fish Creek Tributary Improvements
- T. Cottage Place Wetland Regeneration
- U. Ames Lake Improvements
- V. Kohlman Lake Alum Treatment
- W. Wakefield Lake Aeration

CIP Project Repair and Maintenance

- X. Routine CIP Inspection and Unplanned Maintenance Identification
- Y. 2026 CIP Maintenance and Repairs
- Z. McKnight Basin Outlet and Repairs
- AA. RWMWD Office Exterior Improvements

Program Updates

- BB. Natural Resources Program
- CC. Communications and Engagement Program

13. COMMENTS AND NEXT MONTH'S MEETING (2:23:01)

14. ADJOURN

Motion: Manager Gernes moved, Manager Grogan seconded, to adjourn the meeting at 8:53 p.m.

Motion approved.

RWMWD BUDGET STATUS REPORT
Administrative & Program Budget
Fiscal Year 2026
7/31/2026

Budget Category	Budget Item	Account Number	Original Budget	Budget Transfers	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per Diems	4355	\$7,000.00	-	-	-	\$7,000.00	0.00%
	Manager Expenses	4360	3,000.00	-	-	-	3,000.00	0.00%
	Committee/Bd Mtg. Exp.	4365	4,000.00	-	269.36	1,433.45	2,566.55	35.84%
	Sub-Total: Managers/Committees:		\$14,000.00	\$0.00	269.36	1,433.45	\$12,566.55	10.24%
Employees	Staff Salary/Taxes/Benefits	4010	2,200,000.00	-	247,089.86	1,237,838.79	962,161.21	56.27%
	Employee Expenses	4020	10,000.00	-	796.72	2,792.14	7,207.86	27.92%
	District Training & Education	4350	75,000.00	-	9,074.30	27,815.22	47,184.78	37.09%
	Sub-Total: Employees:		\$2,285,000.00	\$0.00	256,960.88	1,268,446.15	\$1,016,553.85	55.51%
Administration/ Office	Data Base/GIS Maintenance	4170	85,000.00	-	655.00	4,812.33	80,187.67	5.66%
	Telephone	4310	13,000.00	-	1,759.65	9,114.16	3,885.84	70.11%
	Office Supplies	4320	7,000.00	-	486.21	2,414.33	4,585.67	34.49%
	Postage/Delivery	4330	2,000.00	-	-	1,434.74	565.26	71.74%
	Printing/Copying	4335	5,000.00	-	-	2,496.41	2,503.59	49.93%
	Dues & Publications	4338	20,000.00	-	70.00	15,087.00	4,913.00	75.44%
	Janitorial/Trash Service	4341	30,000.00	-	1,275.00	11,998.96	18,001.04	40.00%
	Utilities	4342	20,000.00	-	474.31	2,408.42	17,591.58	12.04%
	Building Maintenance	4343	80,000.00	-	3,039.66	29,527.48	50,472.52	36.91%
	Miscellaneous	4390	5,000.00	-	-	-	5,000.00	0.00%
	Insurance	4480	75,000.00	-	-	74,385.09	614.91	99.18%
	Office Equipment	4703	50,000.00	-	-	3,046.04	46,953.96	6.09%
	District Vehicles/Maintenance	4810-40	75,000.00	-	1,897.90	4,452.48	70,547.52	5.94%
	Metro INET	4325	120,000.00	-	9,816.62	68,825.52	51,174.48	57.35%
	Sub-Total: Administration/Office:		\$587,000.00	-	19,474.35	230,002.96	\$356,997.04	39.18%
Consultants/ Outside Services	Auditor/Accounting	4110	85,000.00	-	5,349.03	64,751.31	20,248.69	76.18%
	Engineering-Administration	4121	145,000.00	-	12,121.00	65,079.00	79,921.00	44.88%
	Engineering-Permit I&E	4122	10,000.00	-	1,271.00	5,666.70	4,333.30	56.67%
	Engineering-Review	4123	83,000.00	-	8,417.50	34,124.50	48,875.50	41.11%
	Engineering-Permit Application Review	4124	85,000.00	-	10,248.00	55,539.50	29,460.50	65.34%
	Project Feasibility Studies	4129	430,000.00	-	40,620.96	148,428.08	281,571.92	34.52%
	Attorney-Permits	4130	5,000.00	-	-	275.00	4,725.00	5.50%
	Attorney-General	4131	40,000.00	-	1,382.50	7,557.42	32,442.58	18.89%
	Outside Consulting Services	4160	25,000.00	-	-	-	25,000.00	0.00%
	Sub-Total: Consultants/Outside Services:		\$908,000.00	\$0.00	79,409.99	381,421.51	\$526,578.49	42.01%
Programs	WMP/Lakes/TMDLs/Grants	4661	195,000.00	-	21,410.00	67,749.50	127,250.50	34.74%
	Natural Resources Program	4670	176,000.00	-	47.85	24,502.84	151,497.16	13.92%
	Water Monitoring Program	4520-30	371,500.00	-	28,938.88	123,554.13	247,945.87	33.26%
	Outside Program Support	4683	44,000.00	-	7,521.25	28,589.75	15,410.25	64.98%
	Research Projects	4695	107,000.00	-	4,607.50	58,197.00	48,803.00	54.39%
	Project Operations	4650	200,000.00	-	20,544.61	102,527.90	97,472.10	51.26%
	Communication/Outreach/Events	4371	161,000.00	-	6,296.11	79,745.39	81,254.61	49.53%
	Health and Safety Program	4697	7,000.00	-	1,496.67	4,191.13	2,808.87	59.87%
	Sub-Total: Programs:		\$1,261,500.00	\$0.00	90,862.87	489,057.64	\$772,442.36	38.77%
GENERAL FUND TOTAL			\$5,055,500.00	\$0.00	446,977.45	2,370,361.71	2,685,138.29	46.89%
CIP's	Project Repair & Maintenance	516	2,285,000.00	-	65,013.72	1,254,060.43	1,030,939.57	54.88%
	Targeted Retrofit Projects	518	581,000.00	-	44,481.55	271,272.97	309,727.03	46.69%
	Flood Risk Reduction Fund	520	655,000.00	-	5,304.44	69,317.91	585,682.09	10.58%
	Debt Services-Beltline/Maplewood Mall	526	419,701.00	-	90,525.50	393,358.50	26,342.50	93.72%
	Stewardship Grant Fund	529	1,500,000.00	-	113,548.79	321,145.05	1,178,854.95	21.41%
	Fish Creek Tributary Improvements	537	1,300,000.00	-	8,376.50	9,988.00	1,290,012.00	0.77%
	Wetland Restoration Projects	540	10,000.00	-	-	-	10,000.00	0.00%
	Wakefield Lake	553	565,000.00	-	2,049.00	6,983.57	558,016.43	1.24%
	Kohlman In-Lake Alum Treatment	555	385,000.00	-	-	10,204.00	374,796.00	2.65%
CIP BUDGET TOTAL			\$7,700,701.00	-	329,299.50	2,336,330.43	\$5,364,370.57	30.34%
TOTAL BUDGET			\$12,756,201.00	\$0.00	776,276.95	4,706,692.14	\$8,049,508.86	36.90%

Current Fund Balances:						
Fund:	Unaudited Beginning Fund Balance @ 12/31/25	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Unaudited Fund Balance @ 7/31/26
101 - General Fund	\$1,562,306.48	-	1,954,147.48	446,977.45	2,370,361.71	1,146,092.25
516 - Project Repair & Maintenance	916,979.74	-	1,142,830.18	65,013.72	1,254,060.43	805,749.49
518 - Targeted Retrofit Projects	321,105.31	-	201,590.31	44,481.55	271,272.97	251,422.65
520 - Flood Risk Reduction Fund	5,173,012.22	-	49,186.90	5,304.44	69,317.91	5,152,881.21
526 - Debt Services-Beltline/Maplewood Mall	318,348.48	-	212,976.96	90,525.50	393,358.50	137,966.94
529 - Stewardship Grant Fund	273,660.50	-	761,174.30	113,548.79	321,145.05	713,689.75
536 - Stormwater Impact Fund	834,317.87	-	80,000.00	130,303.00	379,298.00	535,019.87
537 - Fish Creek Tributary Improvements	941,386.63	-	35,521.45	8,376.50	9,988.00	966,920.08
540 - Wetland Restoration Projects	310,010.11	-	-	-	-	310,010.11
553 - Wakefield Lake	-	-	-	2,049.00	6,983.57	(6,983.57)
555 - Kohlman In-Lake Alum Treatment	-	-	-	-	10,204.00	(10,204.00)
580 - Contingency Fund	1,215,487.00	-	-	-	-	1,215,487.00
Total District Fund Balance	\$11,866,614.34	\$0.00	\$ 4,437,427.58	\$ 906,579.95	\$5,085,990.14	\$11,218,051.78

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From July 1, 2026 to July 31, 2026

Total

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From July 1, 2026 to July 31, 2026

Date	Check #	Payee ID	Payee	Invoice #	Description	Amount
07/03/26	Dir.Dep.	---	July 3rd Payroll	Payroll Expense-Net	4010-101-000	44,406.87
07/03/26	EFT	int002	July 3rd Federal Withholding	Internal Rev.Serv.	2001-101-000	15,204.69
07/03/26	EFT	mnd001	July 3rd State Withholding	MN Revenue	2003-101-000	2,944.85
07/03/26	EFT	per001	July 3rd PERA	PERA	2011-101-000	8,824.40
07/03/26	EFT	emp002	Employee Def. Comp. Contributions	Empower Retirement	2016-101-000	1,923.00
07/03/26	EFT	emp002	Employee IRA Contributions	Empower Retirement	2018-101-000	3,114.00
07/17/26	Dir.Dep.	---	July 17th Payroll	Payroll Expense-Net	4010-101-000	45,457.32
07/17/26	EFT	int002	July 17th Federal Withholding	Internal Rev.Serv.	2001-101-000	15,498.52
07/17/26	EFT	mnd001	July 17th State Withholding	MN Revenue	2003-101-000	3,016.99
07/17/26	EFT	per001	July 17th PERA	PERA	2011-101-000	9,065.28
07/17/26	EFT	emp002	Employee Def. Comp. Contributions	Empower Retirement	2016-101-000	1,923.00
07/17/26	EFT	emp002	Employee IRA Contributions	Empower Retirement	2018-101-000	3,156.00
07/31/26	Dir.Dep.	---	July 31st Payroll	Payroll Expense-Net	4010-101-000	45,457.32
07/31/26	EFT	int002	July 31st Federal Withholding	Internal Rev.Serv.	2001-101-000	15,498.52
07/31/26	EFT	mnd001	July 31st State Withholding	MN Revenue	2003-101-000	3,016.99
07/31/26	EFT	per001	July 31st PERA	PERA	2011-101-000	9,065.28
07/31/26	EFT	emp002	Employee Def. Comp. Contributions	Empower Retirement	2016-101-000	1,923.00
07/31/26	EFT	emp002	Employee IRA Contributions	Empower Retirement	2018-101-000	3,156.00
Payroll/Benefits:						<u><u>\$232,652.03</u></u>
Total						
Accounts Payable/Payroll/Benefits:						<u><u>\$966,950.27</u></u>

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2026 to July 31, 2026

Date	Check #	Vendor ID	Name	Account ID	Description	Amount
07/07/26	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits	18,879.06
07/01/26	EFT	met008	MetLife-Group Benefits	4040-101-000	Employee Benefits	1,210.82
07/16/26	EFT	usb002	U.S. Bank			11,927.19
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses	78.62
				4343-101-000	Building & Site Maintenance	23.78
				4342-101-000	Utilities/Building Services Contracts	74.99
				4342-101-000	Utilities/Building Services Contracts	20.99
				4350-101-000	Training and Education	2,120.00
				4530-101-000	Water Monitoring Program	55.88
				4371-101-000	Communications/Outreach/Events	468.00
				4320-101-000	Office Supplies	221.27
				4371-101-000	Communications/Outreach/Events	300.00
				4530-101-000	Water Monitoring Program	40.56
				4320-101-000	Office Supplies	36.45
				4350-101-000	Training and Education	5,102.32
				4350-101-000	Training and Education	209.72
				4350-101-000	Training and Education	209.72
				4350-101-000	Training and Education	209.72
				4350-101-000	Training and Education	209.72
				4320-101-000	Office Supplies	139.00
				4350-101-000	Training and Education	421.75
				4320-101-000	Office Supplies	66.00
				4697-101-000	Health & Safety Program	68.70
				4371-101-000	Communications/Outreach/Events	11.97
				4371-101-000	Communications/Outreach/Events	26.32
				4371-101-000	Communications/Outreach/Events	100.00
				4371-101-000	Communications/Outreach/Events	119.77
				4365-101-000	Committee/Board Meeting Expenses	269.36
				4371-101-000	Communications/Outreach/Events	15.14
				4371-101-000	Communications/Outreach/Events	9.81
				4320-101-000	Office Supplies	5.04
				4371-101-000	Communications/Outreach/Events	124.99
				4350-101-000	Training and Education	416.23
				4371-101-000	Communications/Outreach/Events	60.00
				4371-101-000	Communications/Outreach/Events	45.00
				4338-101-000	Dues/Publications	70.00
				4371-101-000	Communications/Outreach/Events	93.90
				4371-101-000	Communications/Outreach/Events	386.13
				4371-101-000	Communications/Outreach/Events	25.99
				4371-101-000	Communications/Outreach/Events	20.57
				4371-101-000	Communications/Outreach/Events	5.99
				4371-101-000	Communications/Outreach/Events	5.14
				4371-101-000	Communications/Outreach/Events	9.98
				4371-101-000	Communications/Outreach/Events	5.99
				4371-101-000	Communications/Outreach/Events	22.68
07/02/26	EFT	tmo001	T-Mobile	4310-101-000	Telephone	822.49
06/26/26	EFT	adp001	ADP, Inc.	4110-101-000	Accounting	87.79

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2026 to July 31, 2026

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
06/29/26	EFT	res001	Pitney Bowes Bank, Inc. Reserve Account	4330-101-000	Postage/Delivery	1,000.00	
06/30/26	EFT	spr002	SPRWS	4530-101-000	Water Monitoring Program	136.55	
07/10/26	EFT	adp001	ADP, Inc.	4110-101-000	Accounting	89.63	
07/17/26	EFT	adp001	ADP, Inc.	4110-101-000	Accounting	47.40	
07/01/26	75610V	sod001	Nicole Maras	4040-101-000	Employee Benefits	(170.02)	*Void
07/01/26	75861V	ham005	Sarah Hammes	4682-529-000	Stewardship Grant Program	(95.10)	*Void
07/01/26	75978V	stp008	St. Paul Public Schools	4682-529-000	Stewardship Grant Program	(1,500.00)	*Void
07/01/26	75989V	all005	All Energy Solar	4343-101-000	Building/Site Maintenance	(2,778.25)	*Void
07/01/26	75997V	fra006	Frattallone's Hardware & Garden	4682-529-000	Stewardship Grant Program	(999.60)	*Void
07/01/26	76196V	twi008	Twin Cities Tent and Event Rental	4371-101-000	Communications/Outreach/Events	(1,699.10)	*Void
07/15/26	76323	ben002	Benefit Extras, Inc.	4040-101-000	Employee Benefits	120.00	
07/15/26	76324	cen007	Central Park Elementary School	4371-101-000	Communications/Outreach/Events	322.04	
07/15/26	76325	fit001	Fitzgerald Excavating & Trucking, Inc.	4630-518-000	Construction Improvements/Targeted Retrofit Projects	3,500.00	
07/15/26	76326	fra006	Frattallone's Hardware & Garden	4682-529-000	Stewardship Grant Program	999.60	*Reissue
07/15/26	76327	gil001	Gilbert Mechanical Contractors, Inc.	4343-101-000	Building/Site Maintenance	736.00	
07/15/26	76328	gop003	Gopher State One Call	4630-516-000	Construction Improvements/Project Maint & Rep	108.05	
07/15/26	76329	gra005	Grainger	4530-101-000	Water Monitoring Program	79.94	
07/15/26	76330	ham005	Sarah Hammes	4682-529-000	Stewardship Grant Program	95.10	*Reissue
07/15/26	76331	haw001	Hawkins, Inc.	4650-101-000	Project Operations	9,030.90	
07/15/26	76332	hea005	Health Counseling Services, LLC.	4697-101-000	Health & Safety Program	1,250.00	
07/15/26	76333	hom001	Home Depot Credit Services			431.99	
				4670-101-000	Natural Resources Program		47.85
				4530-101-000	Water Monitoring Program		335.09
				4630-516-000	Construction Improvements/Project Maint & Rep		49.05
07/15/26	76334	ing002	INGCO International, Inc.	4371-101-000	Communications/Outreach/Events	50.00	
07/15/26	76335	inn002	Innovative Office Solutions LLC	4343-101-000	Building/Site Maintenance	93.05	
07/15/26	76336	met005	Metro Blooms	4371-101-000	Communications/Outreach/Events	15.00	
07/15/26	76337	met012	Metro-INET			9,788.00	
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses		9,588.00
				4310-101-000	Telephone		200.00
07/15/26	76338	mid003	Roseville Midway Ford	4820-101-000	Vehicle Maintenance	904.63	
07/15/26	76339	min008	MNL	4630-516-000	Construction Improvements/Project Maint & Rep	1,801.50	
07/15/26	76340	nep001	NCPERS Group Life Ins.	4040-101-000	Employee Benefits	16.00	
07/15/26	76341	nsp001	Xcel Energy			1,716.80	
				4650-520-000	Project Operations/Flood Damage Reduction Fund		135.21
				4530-101-000	Water Monitoring Program		118.55
				4343-101-000	Building/Site Maintenance		1,463.04
07/15/26	76342	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Building Services Contracts	37.00	
07/15/26	76343	qwe001	CenturyLink	4650-101-000	Project Operations	293.45	
07/15/26	76344	red002	Redpath & Company	4110-101-000	Accounting	5,212.00	
07/15/26	76345	rmb001	RMB Environmental Laboratories	4530-101-000	Water Monitoring Program	14,889.87	
07/15/26	76346	sod001	Nicole Maras	4040-101-000	Employee Benefits	170.02	*Reissue
07/15/26	76347	stp008	St. Paul Public Schools	4682-529-000	Stewardship Grant Program	1,500.00	*Reissue
07/15/26	76348	stu001	Studio Lola	4371-101-000	Communications/Outreach/Events	330.75	
07/15/26	76349	tec001	Tech Sales Co.	4530-101-000	Water Monitoring Program	1,460.00	
07/15/26	76350	tes001	The Tessman Company	4630-516-000	Construction Improvements/Project Maint & Rep	116.10	
07/15/26	76351	uli001	Uline	4697-101-000	Health & Safety Program	177.97	

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Cash Disbursements Journal
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Date	Check #	Vendor ID	Name	Account ID	Description	Amount
07/29/26	76352	ahl001	Paige Ahlborg	4020-101-000	Employee Expenses	117.54
07/29/26	76353	all005	All Energy Solar, Inc.	4343-101-000	Building/Site Maintenance	1,250.00
07/29/26	76354	and008	Andrus Built, LLC	2024-101-000	Escrow Refunds	19,690.00
07/29/26	76355	att002	AT&T Mobility	4650-101-000	Project Operations	213.39
07/29/26	76356	bar001	Barr Engineering			202,890.43
				4121-101-000	Engineering Admin	11,996.00
				4121-101-000	Engineering Admin	125.00
				4123-101-000	Engineering Review	8,417.50
				4129-101-000	Project Feasibility	4,384.00
				4129-101-000	Project Feasibility	3,728.50
				4129-101-000	Project Feasibility	2,636.00
				4129-101-000	Project Feasibility	8,798.50
				4129-101-000	Project Feasibility	4,608.00
				4129-101-000	Project Feasibility	4,513.50
				4129-101-000	Project Feasibility	7,152.96
				4129-101-000	Project Feasibility	4,688.50
				4129-101-000	Project Feasibility	111.00
				4170-101-000	GIS Maintenance	655.00
				4520-101-000	WQM-Engineering	140.00
				4520-101-000	WQM-Engineering	6,073.30
				4520-101-000	WQM-Engineering	4,907.50
				4122-101-000	Eng. Permit Application Inspection	1,271.00
				4124-101-000	Eng. Permit Review	10,248.00
				4661-101-000	SLMP/TMDL Studies	11,986.50
				4661-101-000	SLMP/TMDL Studies	195.00
				4695-101-000	Research Projects	4,285.00
				4695-101-000	Research Projects	322.50
				4650-101-000	Project Operations	470.00
				4650-101-000	Project Operations	550.00
				4650-101-000	Project Operations	5,760.47
				4650-101-000	Project Operations	66.00
				4650-101-000	Project Operations	4,160.40
				4128-518-000	Engineering -Targeted Retrofit	7,142.63
				4128-518-000	Engineering -Targeted Retrofit	1,520.70
				4128-518-000	Engineering -Targeted Retrofit	1,048.00
				4128-518-000	Engineering -Targeted Retrofit	4,533.00
				4128-518-000	Engineering -Targeted Retrofit	2,444.50
				4128-518-000	Engineering -Targeted Retrofit	807.00
				4129-537-000	Project Feasibility	8,376.50
				4128-518-000	Engineering -Targeted Retrofit	765.00
				4128-520-000	Engineering -Flood Damage	4,875.00
				4128-520-000	Engineering -Flood Damage	87.50
				4128-553-000	Engineering -Wakefield	2,049.00
				4128-516-000	Eng. Projects-Maint & Repair	23,688.93
				4128-516-000	Eng. Projects-Maint & Repair	3,462.50
				4128-516-000	Eng. Projects-Maint & Repair	1,823.34
				4128-516-000	Eng. Projects-Maint & Repair	6,452.00

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
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Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
				4128-516-000	Eng. Projects-Maint & Repair		21,564.70
07/29/26	76357	bat002	Batteries Plus	4530-101-000	Water Monitoring Program	549.75	
07/29/26	76358	bra003	Rebekah Bradfield	4682-529-000	Stewardship Grant Program	5,000.00	
07/29/26	76359	buh002	Teresa Buhl	4682-529-000	Stewardship Grant Program	1,510.60	
07/29/26	76360	cen008	3M	2024-101-000	Escrow Refunds	22,445.00	
07/29/26	76361	cit001	City of Little Canada	4342-101-000	Utilities/Building Services Contracts	341.33	
07/29/26	76362	cit009	City of Saint Paul	4371-101-000	Communications/Outreach/Events	3,267.45	
07/29/26	76363	cit021	City of Shoreview	4682-529-000	Stewardship Grant Program	13,102.50	
07/29/26	76364	fit002	Mary Fitzgerald			672.85	
				4341-101-000	Janitorial/Trash/Plowing/Sweeping		600.00
				4040-101-000	Employee Benefits		26.83
				4020-101-000	Employee Expenses		46.02
07/29/26	76365	fit003	Emily Fitzgerald	4341-101-000	Janitorial/Trash/Plowing/Sweeping	675.00	
07/29/26	76366	fle001	Flemings Auto Service	4820-101-000	Vehicle Maintenance	94.90	
07/29/26	76367	gal001	Galowitz Olson, PLLC	4131-101-000	Atorney-General	1,382.50	
07/29/26	76368	gil001	Gilbert Mechanical Contractors	4343-101-000	Building/Site Maintenance	1,362.69	
07/29/26	76369	gup001	Keira Gupta			52.46	
				4530-101-000	Water Monitoring Program		7.60
				4020-101-000	Employee Expenses		44.86
07/29/26	76370	int001	Office of MNIT Services	4310-101-000	Telephone	59.38	
07/29/26	76371	kel004	Keller Properties	4682-529-000	Stewardship Grant Program	54,296.61	
07/29/26	76372	klo002	Cooper Klotzbach			215.22	
				4350-101-000	Training & Education		61.30
				4020-101-000	Employee Expenses		153.92
07/29/26	76373	kop001	Seth Kopf	4020-101-000	Employee Expenses	48.72	
07/29/26	76374	lan003	Lancer Catering	4371-101-000	Communications/Outreach/Events	750.00	
07/29/26	76375	mag004	Carrie Magnuson			143.65	
				4371-101-000	Communications/Outreach/Events		125.20
				4020-101-000	Employee Expenses		18.45
07/29/26	76376	mcl002	McLafferty Contracting Group			153,023.72	
				4630-536-000	Construction Improvements/Stormwater Impact Fund		130,303.00
				4630-518-000	Construction Improvements/Targeted Retrofit Projects		22,720.72
07/29/26	76377	mel001	Michelle L. Melser	4020-101-000	Employee Expenses	73.74	
07/29/26	76378	met012	Metro-INET	4325-101-000	Roseville IT Services/Web Site/Software/Licenses	150.00	
07/29/26	76379	mid003	Roseville Midway Ford	4830-101-000	Vehicle Fuel	301.60	
07/29/26	76380	min008	MNL	4630-516-000	Construction Improvements/Project Maint & Rep	1,650.00	
07/29/26	76381	min010	MN Public Facilities Authority	4700-526-000	Loan Repayment/Debt Services-Beltline/Maplewood Mall	90,525.50	
07/29/26	76382	nsp001	Xcel Energy			418.38	
				4343-101-000	Building/Site Maintenance		83.81
				4530-101-000	Water Monitoring Program		127.84
				4630-520-000	Construction-Flood Damage Reduction Fund		206.73
07/29/26	76383	ols004	Nicholas Olson	4020-101-000	Employee Expenses	75.24	
07/29/26	76384	par009	Nate Parsons	4682-529-000	Stewardship Grant Program	7,278.60	
07/29/26	76385	pat001	Caitlin Patrick	4020-101-000	Employee Expenses	62.73	
07/29/26	76386	pha003	Pharaoh Lewis	4682-529-000	Stewardship Grant Program	1,391.06	
07/29/26	76387	pro004	Augustina Proctor	4682-529-000	Stewardship Grant Program	740.17	
07/29/26	76388	ram015	Ramsey County			41,553.50	

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
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Date	Check #	Vendor ID	Name	Account ID	Description	Amount
				4682-529-000	Stewardship Grant Program	28,963.75
				4661-101-000	WMP/Lakes/TMDLs/Grants	9,228.50
				4683-101-000	Outside Program Support	3,361.25
07/29/26	76389	ric005	Ashlee Ricci			196.07
				4350-101-000	Training & Education	51.00
				4020-101-000	Employee Expenses	145.07
07/29/26	76390	roc001	Rock Leaf Water Environmental LLC	4630-516-000	Construction Improvements/Project Maint & Rep	4,297.55
07/29/26	76391	sco005	The Scope Shoppe, Inc.	4371-101-000	Communications/Outreach/Events	1,110.00
07/29/26	76392	sod001	Nicole Maras	4040-101-000	Employee Benefits; Employee Expenses	112.33
07/29/26	76393	syn001	Synergy Building Partners, LLC	4343-101-000	Building/Site Maintenance	805.54
07/29/26	76394	tac001	TAC JV II	2024-101-000	Escrow Refunds	11,700.00
07/29/26	76395	til002	Joseph Tillotson			67.38
				4350-101-000	Training & Education	62.82
				4020-101-000	Employee Expenses	4.56
07/29/26	76396	uli001	Uline	4371-101-000	Communications/Outreach/Events	167.40
07/29/26	76397	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel	596.77
07/29/26	76398	was002	Washington Conservation District			5,578.50
				4682-529-000	Stewardship Grant Program	1,265.50
				4683-101-000	Outside Program Support	4,160.00
				4530-101-000	Water Monitoring Program	153.00
07/29/26	76399	wil007	Patrick Williamson			85.87
				4020-101-000	Employee Expenses	24.32
				4040-101-000	Employee Benefits	61.55
Total						<u><u>\$734,298.24</u></u>

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2026 to July 31, 2026

Date	Check #	Vendor ID	Name	Account ID	Description	Amount
07/03/26	Dir.Dep.	---	July 3rd Payroll	4110-101-000	July 3rd Payroll	44,406.87
07/03/26	EFT	int002	July 3rd Federal Withholding	2001-101-000	July 3rd Federal Withholding	15,204.69
07/03/26	EFT	mnd001	July 3rd State Withholding	2003-101-000	July 3rd State Withholding	2,944.85
07/03/26	EFT	per001	July 3rd PERA	2011-101-000	July 3rd PERA	8,824.40
07/03/26	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	1,923.00
07/03/26	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	3,114.00
07/17/26	Dir.Dep.	---	July 17th Payroll	4110-101-000	July 17th Payroll	45,457.32
07/17/26	EFT	int002	July 17th Federal Withholding	2001-101-000	July 17th Federal Withholding	15,498.52
07/17/26	EFT	mnd001	July 17th State Withholding	2003-101-000	July 17th State Withholding	3,016.99
07/17/26	EFT	per001	July 17th PERA	2011-101-000	July 17th PERA	9,065.28
07/17/26	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	1,923.00
07/17/26	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	3,156.00
07/31/26	Dir.Dep.	---	July 31st Payroll	4110-101-000	July 31st Payroll	45,457.32
07/31/26	EFT	int002	July 31st Federal Withholding	2001-101-000	July 31st Federal Withholding	15,498.52
07/31/26	EFT	mnd001	July 31st State Withholding	2003-101-000	July 31st State Withholding	3,016.99
07/31/26	EFT	per001	July 31st PERA	2011-101-000	July 31st PERA	9,065.28
07/31/26	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	1,923.00
07/31/26	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	3,156.00
Payroll/Benefits:						<u>\$232,652.03</u>
Total						<u>Accounts Payable/Payroll/Benefits:</u> <u>\$966,950.27</u>



Summary of Professional Engineering Services During the Period
June 12 to July 17, 2026

	Total Engineering Budget (2026)	Total Fees to Date (2026)	Budget Balance (2026)	Fees During Period	District Accounting Code	Plan Implementation Task Number
Engineering Administration						
General Engineering Administration	\$ 110,000.00	\$ 64,389.00	\$ 45,611.00	\$ 11,996.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program (Training)	\$ 2,000.00	\$ 672.00	\$ 1,328.00	\$ -	4697-101	DW-13
Education Assistance	\$ 15,000.00	\$ 4,027.00	\$ 10,973.00	\$ -	4129-101	DW-11, DW-13
Targeted Retrofit Outreach, Assessment and Planning	\$ 20,000.00	\$ 690.00	\$ 19,310.00	\$ 125.00	4121-101	DW-6, DW-13, DW-20
Engineering Review						
Engineering Review	\$ 82,700.00	\$ 34,124.50	\$ 48,575.50	\$ 8,417.50	4123-101	DW-13
Project Feasibility Studies						
Landfall BMP study (Manufactured Homes Res Study Project 1)	\$ 25,000.00	\$ 4,861.50	\$ 20,138.50	\$ 4,384.00	4129-101	DW-9
Five Star Estates Feasibility Study	\$ 35,000.00	\$ 17,451.00	\$ 17,549.00	\$ 3,728.50	4129-101	GC-3
Chloride Reduction Strategy	\$ 30,000.00	\$ 25,284.52	\$ 4,715.48	\$ 2,836.00	4129-101	DW-7
Tanners, Battle Creek Lake, Battle Creek Resiliency Feasibility Study	\$ 85,000.00	\$ 23,171.60	\$ 61,828.40	\$ 8,798.50	4129-101	DW-9, DW-10, DW-11, DW-12, DW-15
Roseville Central Park Flood Risk Reduction Feasibility Study	\$ 75,000.00	\$ 52.50	\$ 74,947.50	\$ -	4129-101	DW-9
RWMWD Stormwater Model Updates	\$ 18,000.00	\$ 20,686.50	\$ (2,686.50)	\$ 4,608.00	4129-101	DW-9
Studies Stemming From Creek Walks	\$ 30,000.00	\$ 23,433.50	\$ 6,566.50	\$ 4,513.50	4129-101	DW-1
Shoreline Assessment Assistance	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	4129-101	DW-8
Wetland Restoration Planning	\$ 30,000.00	\$ 12,539.96	\$ 17,460.04	\$ 7,152.96	4129-101	DW-8
Final design for highest priority creek segment	\$ 40,000.00	\$ -	\$ 40,000.00	\$ -	4129-101	DW-1
Battle Creek Subwatershed Feasibility Study (Phase 2)	\$ 40,000.00	\$ 12,401.00	\$ 27,599.00	\$ 4,688.50	4129-101	BC-2
Street Sweeping Program Support	\$ 20,000.00	\$ 4,519.00	\$ 15,481.00	\$ 111.00	4129-101	DW-6, DW-15
Contingency*	\$ 20,000.00	\$ -	\$ 20,000.00	\$ -	4129-101	
GIS Maintenance						
GIS Maintenance	\$ 5,000.00	\$ 1,025.00	\$ 3,975.00	\$ 655.00	4170-101	DW-13
Monitoring Water Quality/Project Monitoring						
Lake Water Quality Monitoring (Misc QA/QC)	\$ 10,000.00	\$ 515.00	\$ 9,485.00	\$ 140.00	4520-101	DW-2
Annual WQ Report Assistance	\$ 25,000.00	\$ 30,345.00	\$ (5,345.00)	\$ -	4520-101	DW-2
Special Project BMP Monitoring	\$ 30,000.00	\$ 18,181.80	\$ 11,818.20	\$ 6,073.30	4520-101	DW-12
Grass Lake Berm Wetland Monitoring	\$ 6,500.00	\$ 105.00	\$ 6,395.00	\$ -	4520-101	DW-5, DW-8
Management of WQ Data	\$ 75,000.00	\$ 15,609.50	\$ 59,390.50	\$ 4,907.50	4520-101	DW-20
Permit Processing, Inspection and Enforcement						
Permit Application Inspection and Enforcement	\$ 10,000.00	\$ 5,666.70	\$ 4,333.30	\$ 1,271.00	4122-101	DW-7
Permit Application Review	\$ 85,000.00	\$ 55,539.50	\$ 29,460.50	\$ 10,248.00	4124-101	DW-7
Watershed Management Plan Update						
Ecosystem Restoration Plan (or "Ecosystem Health Action Plan") Placeholder	\$ -	\$ -	\$ -	\$ -	4661-101	DW-8, DW-14
RWMWD 2027-2036 Watershed Management Plan Update: Phase 1- Stakeholder Involvement*	\$ 5,893.00	\$ 1,655.00	\$ 4,238.00	\$ -	4661-101	DW-13
Phase 3- Draft Plan Development*	\$ 100,000.00	\$ 43,006.50	\$ 56,993.50	\$ 11,986.50	4661-101	DW-13
Phase 4- Formal Review, Approval and Adoption*	\$ 10,000.00	\$ 6,526.50	\$ 3,473.50	\$ -	4661-101	DW-13
Lake Studies/TMDL Reports						
2026 Grant Applications	\$ 20,000.00	\$ 780.00	\$ 19,220.00	\$ 195.00	4661-101	DW-13
TMDL Reporting Assistance	\$ 20,000.00	\$ 4,138.00	\$ 15,862.00	\$ -	4661-101	DW-15, DW-20
Contingency for Lake Studies	\$ 22,500.00	\$ -	\$ 22,500.00	\$ -	4661-101	
Research Projects						
New Technology - Trending Topics Mini Case Studies (average 6 per year)	\$ 17,000.00	\$ 7,042.00	\$ 9,958.00	\$ 4,285.00	4695-101	DW-12
Wakefield Pond Spent Lime Study	\$ 20,000.00	\$ 1,155.00	\$ 18,845.00	\$ 322.50	4695-101	DW-12
Project Operations						
2026 Tanners Alum Facility Monitoring	\$ 18,800.00	\$ 14,672.50	\$ 4,127.50	\$ 470.00	4650-101	TaL-3
Phalen/Keller and Twin Operations Support & Communications	\$ 20,000.00	\$ 613.00	\$ 19,387.00	\$ 550.00	4650-101	DW-5, DW-13, DW-18
Lake Level Station Operation and Maintenance	\$ 50,000.00	\$ 20,600.78	\$ 29,399.22	\$ 5,760.47	4650-101	DW-5, DW-18
Phalen and Keller Lake Level Station Forecast Integration	\$ 40,000.00	\$ 5,938.00	\$ 34,062.00	\$ 66.00	4650-101	DW-5, DW-18
Beltline and Battle Creek Gopher State One Call Utility Locates	\$ 30,000.00	\$ 35,120.90	\$ (5,120.90)	\$ 4,160.40	4650-101	DW-5, BELT-1
Capital Improvements						
Roosevelt Homes Phase III	\$ 5,000.00	\$ 350.00	\$ 4,650.00	\$ -	4128-518	DW-6, DW-9
Placeholder for 1 small flood risk reduction project (Five Star, Landfall, other)?	\$ 50,000.00	\$ -	\$ 50,000.00	\$ -	4128-518	DW-9
Targeted Retrofit Projects 2026					4128-518	DW-6
Development of Future Retrofit Projects	\$ 125,000.00	\$ 16,498.06	\$ 108,501.94	\$ 7,142.63	4128-518	DW-6
Thirty Twenty Estates	\$ 26,000.00	\$ 19,315.70	\$ 6,684.30	\$ 1,520.70	4128-518	DW-6
Redeemer Lutheran	\$ 25,000.00	\$ 16,372.00	\$ 8,628.00	\$ 1,048.00	4128-518	DW-6
1670 Beam Avenue	\$ 49,000.00	\$ 29,390.50	\$ 19,609.50	\$ 4,533.00	4128-518	DW-6
Gustavus Adolphus Church, St Paul	\$ 75,000.00	\$ 74,531.53	\$ 468.47	\$ 2,444.50	4128-518	DW-6
Placeholder for new project TBD	\$ 35,000.00	\$ -	\$ 35,000.00	\$ -	4128-518	DW-6
Maplewood Toyota, Cochran Recovery Services and SPYS Green Roof Support *	\$ 11,000.00	\$ 4,139.73	\$ 6,860.27	\$ 807.00	4128-518	DW-6
Stewardship Grant Program	\$ 75,000.00	\$ 50.00	\$ 74,950.00	\$ -	4682-529	DW-6
Double Driveway Pond and Fish Creek Tributary Improvements*	\$ 90,000.00	\$ 9,988.00	\$ 80,012.00	\$ 8,376.50	4129-537	FC-2
Cottage Place Wetland Restoration*	\$ 10,000.00	\$ 3,157.00	\$ 6,843.00	\$ 765.00	4128-518	DW-8, DW-14, LE-3
Ames Lake Area Flood Risk Reduction	\$ 300,000.00	\$ 26,567.35	\$ 273,432.65	\$ 4,875.00	4128-520	DW-9, BELT-1
Kohlman Creek Flood Risk Reduction Projects	\$ 5,000.00	\$ 2,324.90	\$ 2,675.10	\$ 87.50	4128-520	DW-9, KC-2
Lake Wabasso Outlet Replacement*	\$ 5,000.00	\$ 660.00	\$ 4,340.00	\$ -	4128-520	DW-5
Kohlman Lake Alum Treatment*	\$ 40,000.00	\$ 10,204.00	\$ 29,796.00	\$ -	4128-555	KL-2
Wakefield Lake Aeration	\$ 60,000.00	\$ 6,983.57	\$ 53,016.43	\$ 2,049.00	4128-553	WL-3
CIP Project Repair & Maintenance						
Routine CIP Inspection and Unplanned Maintenance Identification	\$ 131,250.00	\$ 62,956.13	\$ 68,293.87	\$ 23,688.93	4128-516	DW-5
2026 CIP Maintenance and Repairs	\$ 184,965.00	\$ 97,580.50	\$ 87,384.50	\$ 3,462.50	4128-516	DW-5
2026 Vegetation Maintenance Program	\$ 10,000.00	\$ 12,655.34	\$ (2,655.34)	\$ 1,823.34	4128-516	DW-8
Beltline and Battle Creek 5-year Inspection and Detailed Survey*	\$ 15,000.00	\$ 2,075.00	\$ 12,925.00	\$ -	4128-516	BELT-2
McKnight Basin Outlet Repairs	\$ 120,000.00	\$ 7,079.50	\$ 112,920.50	\$ 6,452.00	4128-516	DW-5
Placeholder for repairs coming out of 5-year inspection	\$ 75,000.00	\$ -	\$ 75,000.00	\$ -	4128-516	BELT-2
RWMWD Office Exterior Improvements*	\$ 81,425.00	\$ 128,298.95	\$ (46,873.95)	\$ 21,564.70	4128-516	DW-5

*For these CIP projects, only the 2026 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. \$ 202,890.43


Bradley J. Lindaman, Vice President

2026 Targeted Retrofit - Gustavus Adolphus - Progress Payment #2

1.0	Total Completed Through This Period:	<u>\$241,110.10</u>	
2.0	Total Completed Previously Completed:		<u>\$80,032.50</u>
3.0	Total Completed This Period:		<u>\$161,077.60</u>
4.0	Amount Previously Retained:	<u>\$4,001.63</u>	
5.0	Amount Retained This Period (See Note 1):		<u>\$8,053.88</u>
6.0	Total Amount Retained (See Note 1):	<u>\$12,055.51</u>	
7.0	Retainage Released Through This Period:		<u>\$0.00</u>
8.0	Total Retainage Remaining:	<u>\$12,055.51</u>	
9.0	Amounts Previously Paid:	<u>\$0.00</u>	
10.0	Amount Due This Estimate (See Note 2):		<u><u>\$153,023.72</u></u>

Note 1: Retainage shall be 5 percent of the value of the Work completed.

Note 2: Original Contract Price: \$339,665.67
 Current Contract Price: \$349,140.67

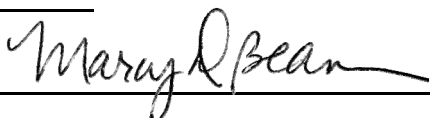
SUBMITTED BY:

Name: Stephan McLafferty Date: 7/16/2026
Title: President
Contractor: McLafferty Contracting Group, LLC

Signature: 

RECOMMENDED BY:

Name: Marcy Bean Date: 7/19/2026
Title: Project Manager
Engineer: Barr Engineering Company

Signature: 

APPROVED BY:

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

Signature: _____

2026 Targeted Retrofit - Gustavus Adolphus - Progress Payment #2
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 14, 2026 for Progress Payment Number 2

						(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
Item	Description	Unit	Estimated Quantity	Unit Price	Extension	Quantity	Amount	Quantity	Amount	Quantity	Amount
General											
A	Mobilization	LS	1	\$16,585.00	\$16,585.00	0.75	\$12,438.75	0.5	\$8,292.50	0.25	\$4,146.25
B	Traffic and Pedestrian Safety Control Measures	LS	1	\$5,250.00	\$5,250.00	1.00	\$5,250.00	1	\$5,250.00	0	\$0.00
C	Construction Layout and Staking	LS	1	\$5,120.00	\$5,120.00	1.00	\$5,120.00	1	\$5,120.00	0	\$0.00
Removals and Erosion Control											
D	Clearing and Grubbing (P)	AC	0.06	\$7,200.00	\$0.00	0.00	\$0.00	0	\$0.00	0	\$0.00
E	Inlet Protection	EA	1	\$150.00	\$150.00	1.00	\$150.00	1	\$150.00	0	\$0.00
F	Silt Fence	LF	275	\$3.45	\$948.75	0.00	\$0.00	0	\$0.00	0	\$0.00
G	Sediment Control Log	LF	317	\$2.85	\$903.45	580.00	\$1,653.00	580	\$1,653.00	0	\$0.00
H	Tree Protection Fencing (P)	LF	194	\$4.00	\$776.00	150.00	\$600.00	150	\$600.00	0	\$0.00
I	Site Preparation (P)	AC	0.33	\$7,500.00	\$2,475.00	0.33	\$2,475.00	0.33	\$2,475.00	0	\$0.00
J	Sawcut Bituminous Pavement (Full Depth) (P)	LF	445	\$7.00	\$3,115.00	445.00	\$3,115.00	445	\$3,115.00	0	\$0.00
K	Remove and Dispose of Bituminous Pavement (P)	SY	1495	\$8.00	\$11,960.00	1,495.00	\$11,960.00	1,495	\$11,960.00	0	\$0.00
J	Sawcut Concrete Pavement (Full Depth) (P)	LF	15	\$30.00	\$450.00	15.00	\$450.00	15	\$450.00	0	\$0.00
J	Sawcut Concrete Curb & Gutter (P)	LF	14	\$38.00	\$532.00	14.00	\$532.00	14	\$532.00	0	\$0.00
K	Remove and Dispose of Concrete Pavement (P)	SY	270	\$30.00	\$8,100.00	270.00	\$8,100.00	270	\$8,100.00	0	\$0.00
L	Remove and Dispose Sod (P)	SY	975	\$3.00	\$2,925.00	975.00	\$2,925.00	975	\$2,925.00	0	\$0.00
M	Remove, Salvage and Stockpile Topsoil (P)	BCY	40	\$18.00	\$720.00	40.00	\$720.00	40	\$720.00	0	\$0.00
N	Remove, Salvage, and Reinstall Landscape Uplift	LS	1	\$1,230.00	\$1,230.00	1.00	\$1,230.00	0.5	\$615.00	0.5	\$615.00
Civil											
O	Common Excavation and Off-Site Disposal (P)	CY	626	\$25.00	\$15,650.00	626.00	\$15,650.00	0	\$0.00	626	\$15,650.00
P	Reinstall Salvaged Topsoil	CY	40	\$18.00	\$720.00	40.00	\$720.00	0	\$0.00	40	\$720.00
Q	Granular Filter (P)	CY	55	\$35.00	\$1,925.00	55.00	\$1,925.00	55	\$1,925.00	0	\$0.00
R	Riprap	CY	4	\$181.00	\$724.00	4.00	\$724.00	0	\$0.00	4	\$724.00
S	Concrete Curb & Gutter (B6-12)	LF	456	\$39.00	\$17,784.00	456.00	\$17,784.00	0	\$0.00	456	\$17,784.00
T	Trench Drain, Complete	LF	5	\$1,053.00	\$5,265.00	0.00	\$0.00	0	\$0.00	0	\$0.00
U	Precast Concrete Inlet Structure (Complete)	EA	4	\$3,500.00	\$14,000.00	4.00	\$14,000.00	4	\$14,000.00	0	\$0.00
V	Concrete Pavement (6", Complete)	SY	270	\$125.00	\$33,750.00	270.00	\$33,750.00	0	\$0.00	270	\$33,750.00
W	Concrete Stoop	CY	5	\$2,678.00	\$13,390.00	5.00	\$13,390.00	0	\$0.00	5	\$13,390.00
X	Bituminous Pavement	SY	505	\$57.43	\$29,002.15	505.00	\$29,002.15	0	\$0.00	505	\$29,002.15
Y	6" CPEP DrainTile, Perforated	LF	300	\$22.00	\$6,600.00	300.00	\$6,600.00	300	\$6,600.00	0	\$0.00
Y	6" PVC Storm Sewer Pipe and Fittings (P)	LF	65	\$45.00	\$2,925.00	65.00	\$2,925.00	65	\$2,925.00	0	\$0.00
Z	6" CPEP DrainTile Cleanout	EA	5	\$525.00	\$2,625.00	5.00	\$2,625.00	5	\$2,625.00	0	\$0.00
AA	Soil Loosening (P)	SY	695	\$4.00	\$2,780.00	695.00	\$2,780.00	0	\$0.00	695	\$2,780.00
BB	Planting Soil (P)	CY	230	\$45.00	\$10,350.00	230.00	\$10,350.00	0	\$0.00	230	\$10,350.00
CC	Compost (P)	CY	140	\$54.00	\$7,560.00	140.00	\$7,560.00	0	\$0.00	140	\$7,560.00
DD	Painted Pavement Markings	LS	1	\$1,350.00	\$1,350.00	1.00	\$1,350.00	0	\$0.00	1	\$1,350.00
Landscape											
EE	Decorative Metal Fence	LF	390	\$125.00	\$48,750.00	0.00	\$0.00	0	\$0.00	0	\$0.00
FF	Deciduous Tree (1.5" B&B) (P)	EA	5	\$813.00	\$4,065.00	0.00	\$0.00	0	\$0.00	0	\$0.00
GG	Shrub (#2 Container) (P)	EA	21	\$45.00	\$945.00	0.00	\$0.00	0	\$0.00	0	\$0.00
HH	Perennial (#1 Container) (P)	EA	1015	\$25.00	\$25,375.00	0.00	\$0.00	0	\$0.00	0	\$0.00
HH	Perennial (4" Plug) (P)	EA	1449	\$6.88	\$9,969.12	0.00	\$0.00	0	\$0.00	0	\$0.00
II	Upland Prairie Seeding (P)	AC	0.17	\$7,500.00	\$1,275.00	0.17	\$1,275.00	0	\$0.00	0.17	\$1,275.00
II	Turfgrass Seeding (P)	AC	0.05	\$5,800.00	\$290.00	0.05	\$290.00	0	\$0.00	0.05	\$290.00
JJ	Twice Shredded Hardwood Mulch (P)	CY	128	\$60.00	\$7,680.00	128.00	\$7,680.00	0	\$0.00	128	\$7,680.00
KK	Erosion Control Blanket (Type 2S, 100% Biodegradable)	SY	1270	\$3.26	\$4,140.20	1,270.00	\$4,140.20	0	\$0.00	1,270	\$4,140.20
LL	Straw Mulch	AC	0.22	\$1,800.00	\$396.00	0.22	\$396.00	0	\$0.00	0.22	\$396.00
MM	Vegetation Establishment and Maintenance	EA	2	\$4,570.00	\$9,140.00		\$0.00	0	\$0.00	0	\$0.00
Contract Base Extensions =					\$339,665.67		\$231,635.10		\$80,032.50		\$151,602.60
Change Orders											
C.0.1.A	Concrete stoop modification	LS	1	\$8,675.00	\$8,675.00						
C.0.1.B	Remove tree	EA	2	\$400.00	\$800.00						
Change Order Extensions =					\$9,475.00		\$9,475.00	0	\$0.00	1	\$9,475.00
Contract Grand Total =					\$349,140.67		\$241,110.10		\$80,032.50		\$161,077.60

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

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

Page: 1
July 23, 2026
File No: 9M

	Balance
General Account	<u>\$1,382.50</u>

Permit Application Coversheet

Date August 05, 2026

Project Name Little Canada Senior Housing

Project Number 26-22

Applicant Name Cameron Flakne, LC Apartments, LP

Type of Development Residential

Property Description

This project is located on County Road B East south of Highway 36 in the City of Little Canada. The applicant is proposing to construct a 5-story affordable senior housing apartment building with associated underground and surface parking, sidewalks, and utilities. The total project disturbed area is 2.7 acres. Two underground infiltration systems and one surface filtration basin are proposed to meet stormwater treatment requirements. Filtration is being proposed on the north side of the site due to poor soils. Stormwater pretreatment methods will include sumped inlets with baffles, isolator rows, and vegetated filter strips.

Due to the presence of existing wetlands near the project site, the applicant submitted a Wetland Conservation Act (WCA) "no wetland determination," with approval received in January 2023 (#22-24 WCA), however the associated Manage C buffers (setbacks) encroach into the development parcel. A variance request for wetland buffer disturbance associated with a flared inlet structure and sanitary sewer connection is included with the permit application. Staff reviewed the variance request and will verify by way of inspections during construction that areas disturbed do not exceed the minimum required. The only permanent change to the wetland buffer over existing conditions is the new flared end structure which will convey pretreated stormwater with energy dissipation (riprap), slightly encroaching into the minimum buffer. All temporarily disturbed areas will be restored and established over a 3 year monitoring period with a native seed mix.

A temporary erosion and sediment control permit was issued on 7/28/26 to accommodate an earlier start date.

Watershed District Policies or Standards Involved:

- | | |
|--|---|
| ☒ <i>Wetlands</i> | ☒ <i>Erosion and Sediment Control</i> |
| ☒ <i>Stormwater Management</i> | ☐ <i>Floodplain</i> |

Water Quantity Considerations

The proposed stormwater management plan is sufficient to control 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.

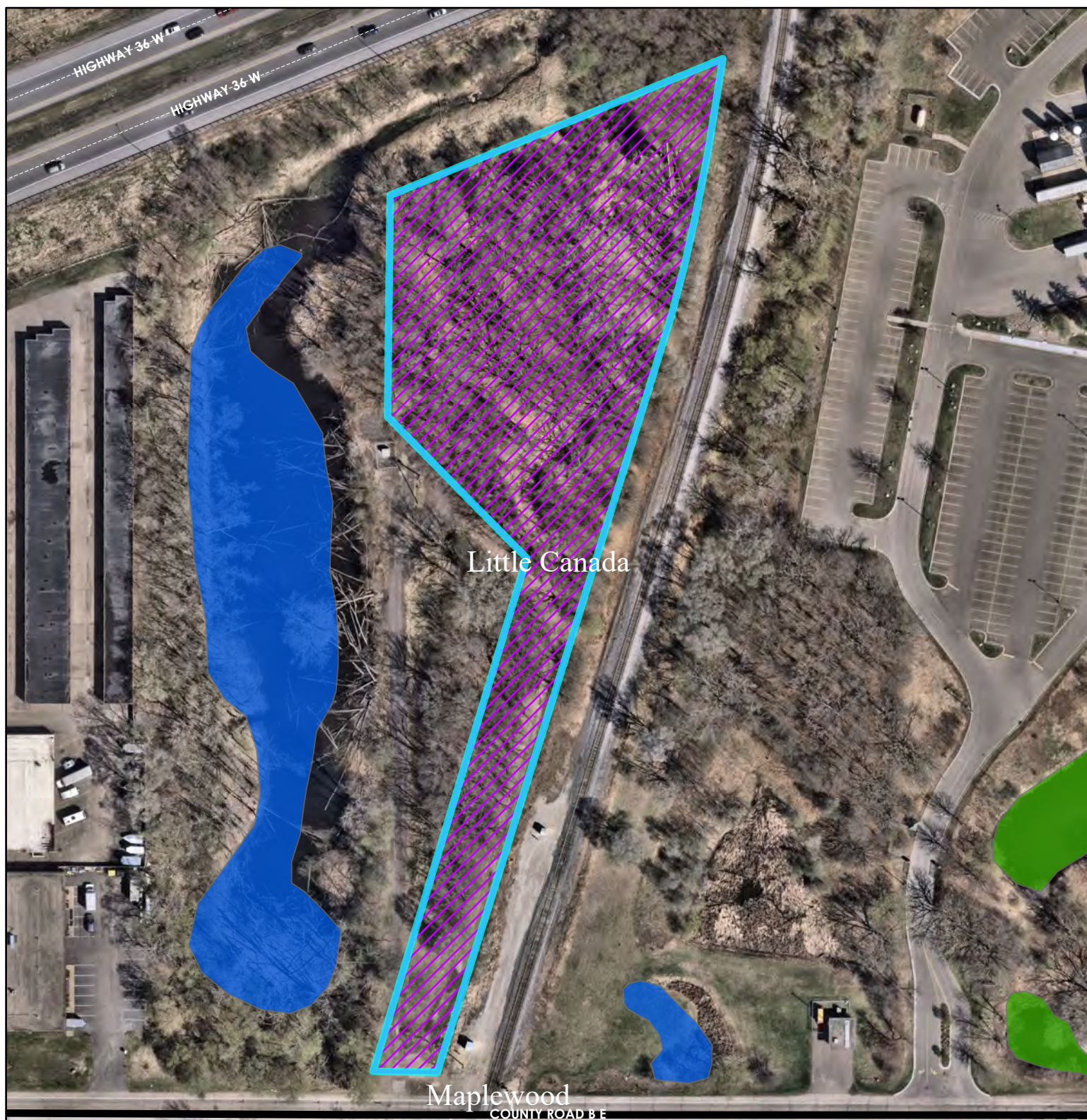
Staff Recommendation

Staff recommends approval of the permit with the variance request (Rule E).

Attachments:

- ☒ Project Location Map
- ☒ Project Grading Plan

#26-22 - Little Canada Senior Housing



Wetlands

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

Permit in Review

Roads

Cities

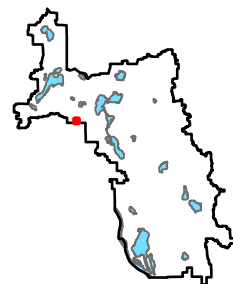
RWMWD Boundary

Shaded area is outside RWMWD

Highlighted Areas
Represent Active Permit

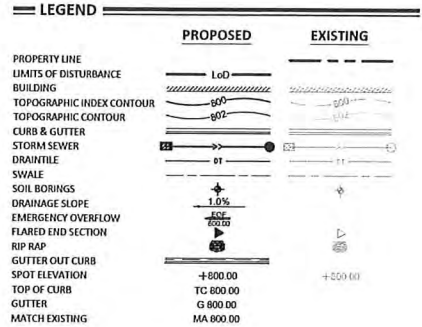
0 0.03 0.05 Miles

0 100 200 US Feet



Special Provisions

1. The applicant shall submit the final, executed stormwater maintenance agreement and O&M Plan for the proposed stormwater facilities.
2. The applicant shall submit the final, signed geotechnical report.
3. The applicant shall submit contact information for the trained/certified erosion control supervisor responsible for implementing the SWPPP.
4. The applicant shall add locations of inspection manholes and clean-outs for the underground systems on the plan view.
5. The applicant shall revise the "Volume Control" summary in the SWMP with the requested changes.



1. NOT USED
2. PERPENDICULAR PEDESTRIAN RAMP. SEE DETAILS FROM MNDOT STANDARD PLAN 5-297.250 ON SHEET C-905
3. TRANSITION FROM FLUSH CURB TO 6" CURB, (SEE DETAIL 3/C-901)
4. "GUTTER OUT" CURB. (SEE DETAIL 7/C-900)

1. CONTRACTOR SHALL REFER TO THE "GENERAL CONSTRUCTION NOTES" SHEETS PRIOR TO THE START OF CONSTRUCTION.
2. PROPOSED CONTOURS AND SLOPE ELEVATIONS ARE TO BE FINISHED SURFACE GRADE.
3. SEE SHEETS C-501 & C-502 FOR BMP INFORMATION.
4. NOTIFY MARY FITZGERALD, RAMSEY-WASHINGTON METRO WATERSEDED DISTRICT, AT (651) 417-4552 AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION OF THE STORMWATER FACILITIES.
5. CONTRACTOR SHALL USE CATEGORY 300 BLANKET ON ALL SLOPES 2:1 AND STEEPER, AND CATEGORY 200 BLANKET ON SLOPES 3:1 AND FLATTER TO PREVENT SOIL EROSION. REFER TO LANDSCAPE PLANS FOR SLOPE STABILIZATION AND PLANTING NOTES.
6. WETLAND BUFFER SHALL REMAIN UNDISTURBED WHEREVER THE APPLICABLE BUFFER LIMITS ENCHROACH. IF ANY CONSTRUCTION OR DISTURBANCE ANY OF THE WETLAND BUFFER AREA WHILE GRADING OR INSTALLING UTILITIES, CONTRACTOR SHALL REPLANT AND MAINTAIN THE DISTURBED AREA WITH NATIVE SPECIES METRO RAMSEY-WASHINGTON METRO WATERSEDED DISTRICT'S SPECIFICATIONS AS OUTLINED IN DISTRICT RULE 5.3.d.7. CONTRACTOR SHALL MAINTAIN CLOSE REGISTRATION AND MAINTENANCE WITH LANDSCAPE ARCHITECT.



STATE LAW: 48 HOURS BEFORE EXCAVATING OR DEMOLISHING BUILDINGS, CALL 811 FOR FIELD LOCATION OF UNDERGROUND UTILITY LINES. THIS SERVICE LOCATES UTILITY OWNED LINES BUT NOT PRIVATE LINES.

THE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE EXACT LOCATION OF ALL UTILITIES (PUBLIC AND PRIVATE) MUST BE DETERMINED BEFORE COMMENCING WORK.

POPE DESIGN GROUP
767 N. EUSTIS STREET, SUITE 190
ST. PAUL, MINNESOTA 55114
651.642.9200
WWW.POPEDESIGN.COM

Solution Blue
water machines

LITTLE CANADA
SENIOR
AFFORDABLE
HOUSING
99 COUNTY RD B E
LITTLE CANADA, MN 55117

ISSUES & REVISIONS	DATE
PERMIT SET	04-15-2026
DLI PERMIT	04-30-2026
ADDENDUM 01	05-29-2026
ADDENDUM 02	07-10-2026
RWMWD RESUBMITTAL	07-16-2026
RWMWD RESUBMITTAL 02	07-23-2026

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

BENJAMIN LUCAS, P.E.

DATE: 07.23.2026 REG. NO. 54265

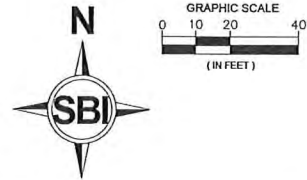
COMMISSION NO: 47621-25177
DRAWN BY: BL
CHECKED BY: BL

C-400

TRUE 3 SHEET SCALE

0' 1/2" 1'

C:\PERS\BENJAMIN\LIC\PROJECTS\230 RES - LITTLE CANADA AFFORDABLE -
LIFE\WORKING FILES\CA\DWG\PLAN 3 SHEETS\040 - GRID DWG
7/27/2006 11:01 AM



LEGEND

	PROPOSED	EXISTING
PROPERTY LINE	---	---
LIMITS OF DISTURBANCE	---	---
BUILDING	---	---
TOPOGRAPHIC INDEX CONTOUR	---	---
TOPOGRAPHIC CONTOUR	---	---
CURB & GUTTER	---	---
STORM SEWER	---	---
DRAIN TILE	---	---
SWALE	---	---
SOIL BORINGS	---	---
DRAINAGE SLOPE	---	---
EMERGENCY OVERFLOW	---	---
FLARED END SECTION	---	---
RIP RAP	---	---
GUTTER OUT CURB	---	---
SPOT ELEVATION	---	---
TOP OF CURB	---	---
GUTTER	---	---
MATCH EXISTING	---	---

KEYNOTES

- NOT USED
- PERPENDICULAR PEDESTRIAN RAMP. SEE DETAILS FROM KINOSOTA STANDARD PLAN 4-297.250 ON SHEET C-405
- TRANSITION FROM FLUSH CURB TO 6" CURB, SEE DETAIL 3/C-901
- "GUTTER OUT" CURB, SEE DETAIL 7/C-900

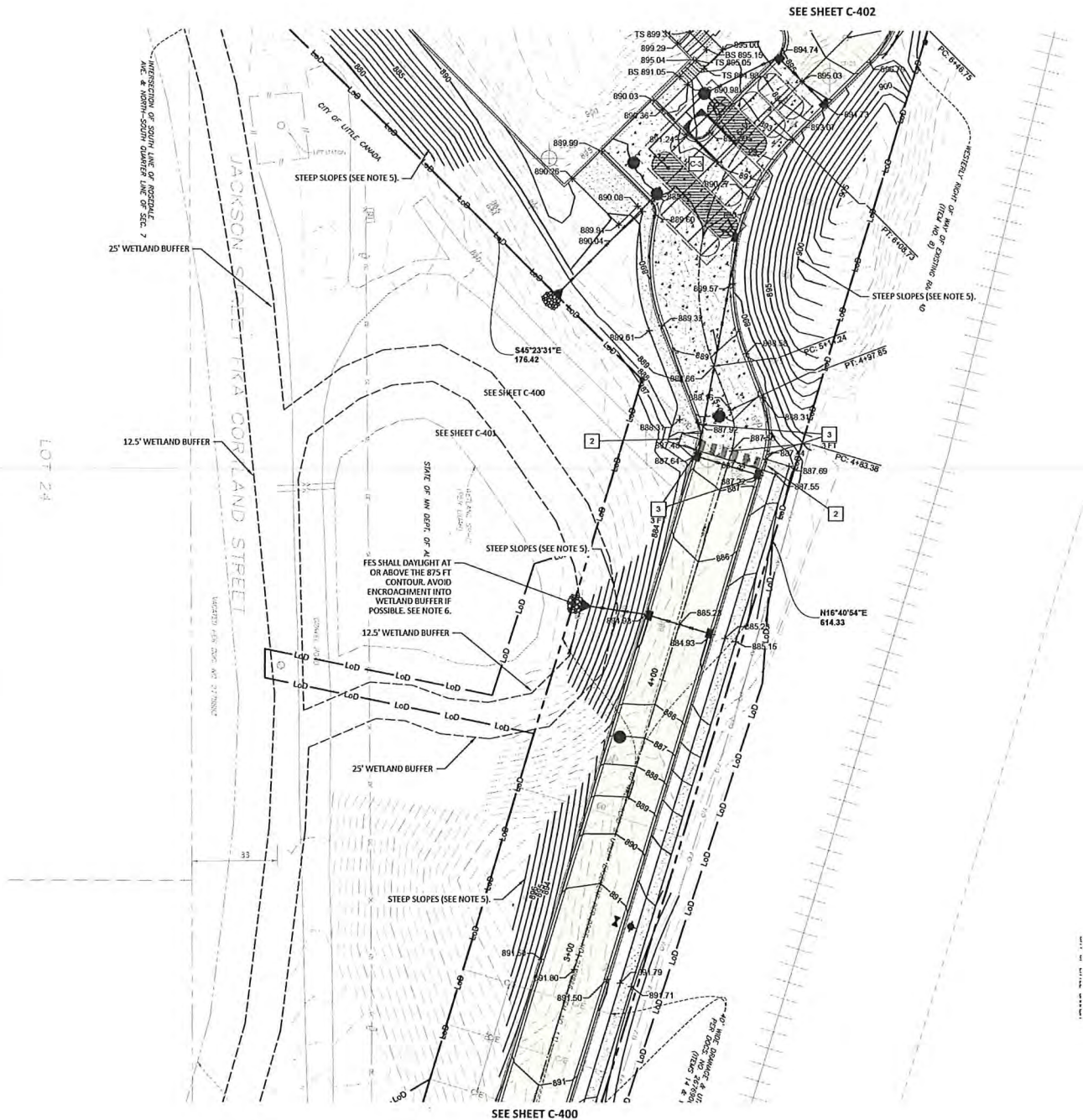
NOTES

- CONTRACTOR SHALL REFER TO THE "GENERAL CONSTRUCTION NOTES" SHEETS PRIOR TO THE START OF CONSTRUCTION.
- PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED SURFACE GRADE.
- SEE SHEETS C-501 & C-502 FOR BMP INFORMATION.
- NOTIFY MARY FITZGERALD, RAMSEY-WASHINGTON METRO WATERSHED DISTRICT, AT (651) 417-4552 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OF THE STORMWATER FACILITIES.
- CONTRACTOR SHALL USE CATEGORY 30 BLANKET ON ALL SLOPES 2:1 AND STEEPER, AND CATEGORY 20 BLANKET ON ALL SLOPES 3:1 AND FLATTER TO PREVENT EROSION. REFER TO LANDSCAPE PLANS FOR SLOPE STABILIZATION AND PLANTING NOTES.
- WETLAND BUFFER SHALL REMAIN UNDISTURBED WHEREVER THE APPLICABLE BUFFER LIMITS ENCR OACH OVI O PARCEL. IF CONTRACTOR DISTURBS ANY OF THE WETLAND BUFFER AREA WHILE GRADING OR INSTALLING UTILITIES, CONTRACTOR SHALL REPLANT AND MAINTAIN THE DISTURBED AREAS WITH NATIVE SPECIES MEETING RAMSEY-WASHINGTON METRO WATERSHED DISTRICT'S SPECIFICATIONS AS OUTLINED IN DISTRICT RULE E.3.d.7. COORDINATE NATIVE SPECIES SEED MIX INSTALLATION AND MAINTENANCE WITH LANDSCAPE ARCHITECT.

STORM CHAMBERS

BMP NO.	ROCK ELEV.	CHAMBER ELEV.	OUTLET CONTROL STRUCTURE				NO. OF CHAMBERS	FOOTPRINT AREA	100-YR HWL
			RIM	DIAM.	6" ORIFICE	EOF WEIR			
3	882.67	883.42	890.00	48"	884.47	886.67	23 + 14 CAPS	2,058 SF	885.35

INSTALL PER THE DETAILS ON C-906 & C-907, SEE SHEETS C-501 & C-502 FOR PIPE INVERTS



STATE LAW: 48 HOURS BEFORE EXCAVATING OR REMOVING BUILDINGS, CALL 811 FOR FIELD LOCATION OF UNDERGROUND UTILITY LINES. THIS SERVICE LOCATES UTILITY OWNED LINES BUT NOT PRIVATE LINES.

THE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. THE EXACT LOCATION OF ALL UTILITIES (PUBLIC AND PRIVATE) MUST BE DETERMINED BEFORE COMMENCING WORK.



POPE DESIGN GROUP
767 N. EUSTIS STREET, SUITE 190
ST. PAUL, MINNESOTA 55114
651.642.9200
WWW.POPEDESIGN.COM



LITTLE CANADA
SENIOR
AFFORDABLE
HOUSING
99 COUNTY RD B E
LITTLE CANADA, MN 55117

GRADING & DRAINAGE PLAN - CENTER

ISSUES & REVISIONS	DATE
PERMIT SET	04-15-2026
DLI PERMIT	04-30-2026
ADDENDUM 01	05-29-2026
ADDENDUM 02	07-10-2026
RWMWD RESUBMITTAL	07-16-2026
RWMWD RESUBMITTAL 02	07-23-2026

CERTIFICATION

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.

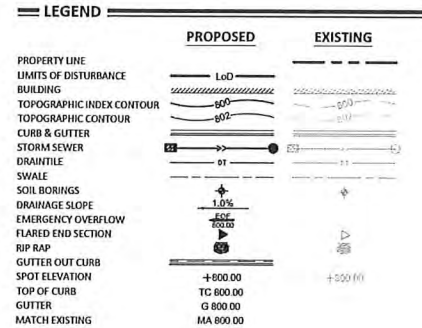
Benjamin Lucas
BENJAMIN LUCAS, P.E.
DATE: 07-23-2026 REG. NO. 54266

COMMISSION NO: 47621-25177
DRAWN BY: BL
CHECKED BY: BL

SHEET

C-401

THIS SHEET SCALE
1" = 40'
DATE: 07/23/2026
BY: BENJAMIN LUCAS
PROJECT: LITTLE CANADA AFFORDABLE HOUSING
SHEET: C-401

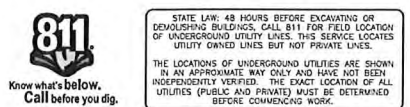


1. NOT USED
2. PERPENDICULAR PEDESTRIAN RAMP. SEE DETAILS FROM MNDOT STANDARD PLAN 5-297.250 ON SHEET C-905
3. TRANSITION FROM FLUSH CURB TO 6" CURB, (SEE DETAIL 3/C-901)
4. "GUTTER OUT" CURB. (SEE DETAIL 7/C-900)

1. CONTRACTOR SHALL REFER TO THE "GENERAL CONSTRUCTION NOTES" SHEETS PRIOR TO THE START OF CONSTRUCTION.
2. PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED SURFACE GRADE.
3. SEE SHEETS C-501 & C-502 FOR BERM INFORMATION.
4. NOTIFY MARY FITZGERALD, RAMSEY-WASHINGTON METRO WATERSHED DISTRICT, AT (651) 417-5522 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OF THE STORMWATER FACILITY.
5. CONTRACTOR SHALL USE CATEGORY 30 BLANKET ON ALL SLOPES 2:1 AND STEEPER, AND CATEGORY 20 BLANKET ON ALL SLOPES 3:1 AND FLATTER TO PREVENT EROSION. REFERENCE TO LANDSCAPE PLANS FOR SLOPE STABILIZATION AND PLANTING NOTES.
6. THE GEOLOGICAL REPORT SHOWS POSSIBLE CLAY SOIL LAYERS WITHIN AND/OR NEAR THE FOOTPRINTS OF CLAY 1 AND C-2. CONTRACTOR SHALL OVEREXCAVATE CLAY SOILS AND REPLACE WITH WELL DRAINING SOILS.
7. WETLAND BUFFER SHALL REMAIN UNDISTURBED WHEREVER THE APPLICABLE BUFFER LIMITS ENCRUSTED TOPOGRAPHY. IF CONSTRUCTION OF ANY PART OF THE WETLAND BUFFER AREA WHILE GRADING OR INSTALLING UTILITIES, CONTRACTOR SHALL REPLANT AND MAINTAIN THE BUFFERED AREAS WITH NATIVE SPECIES MEETING RAMSEY-WASHINGTON METRO WATERSHED DISTRICT'S SPECIFICATIONS AS OUTLINED IN DISTRICT RULE 5.3.d.7. CONTRACTOR SHALL BE RESPONSIBLE FOR BERM INSTALLATION AND MAINTENANCE WITH LANDSCAPE ARCHITECT.

BMP NO.	TOP ELEV.	BOTTOM ELEV.	FILTER MEDIA ELEV.	WEIR (OCS 112)			CB RIM	100-YR HWL
				ELEV.	LENGTH	BREADTH		
1	891.00	887.00	884.50	888.50	6 IN	4 FT	889.50	889.11
INSTALL FILTER MEDIA MIX & DRAINPILE PER DETAIL 7/C-901. DRAINPILE SHALL OUTLET DOWNSTREAM OF WEIR WALL. SEE SHEET C-502 FOR PIPE INVERTS								

BMP NO.	ROCK ELEV.	CHAMBER ELEV.	OUTLET CONTROL STRUCTURE				NO. OF CHAMBERS	FOOTPRINT AREA	100-YR HWL
			RIM	DIAM.	6" ORIFICE	EOF WEIR			
2	889.68	890.43	900.11	48"	891.48	892.48	60 + 14 CAPS	4,340 SF	892.85
INSTALL PER THE DETAILS ON C-906 & C-907, SEE SHEETS C-500 & C-502 FOR PIPE INVERTS SOIL BORING ST-5A SHOWS CLAY LAYERS PRESENT TO DEPTH OF 88.5', SOIL BORING ST-106 SHOWS NO CLAY SOILS WITHIN 5 FT BELOW B6 SOIL PRESENT. COORDINATE WITH OWNER'S GEOTECHNICAL ENGINEER TO EXCAVATE AND REPLACE CLAY LAYER AT LEAST 88.68 PER NOTE 6.									



POPE DESIGN GROUP
767 N. EUSTIS STREET, SUITE 190
ST. PAUL, MINNESOTA 55114
651.642.9200
WWW.POPEDESIGN.COM

Solution Blue
water machines

LITTLE CANADA
SENIOR
AFFORDABLE
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99 COUNTY RD B E
LITTLE CANADA, MN 55117

ISSUES & REVISIONS	DATE
PERMIT SET	04-15-2026
DIJ PERMIT	04-30-2026
ADDENDUM 01	05-29-2026
ADDENDUM 02	07-10-2026
R/W/MWD RESUBMITTAL	07-16-2026
R/W/MWD RESUBMITTAL 02	07-23-2026

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.

BENJAMIN LUCAS, P.E.
DATE: 07.23.2026 REG. NO. 54265

COMMISSION NO: 47621-25177

CHECKED BY: BL

SHEET

C-402

C:\Users\BENJAMIN.LUCAS\Dropbox\PROJECTS\230303 - LITTLE CANADA AFFORDABLE -
LIFE\WORKING FILES\230303\PLAN SHEETS\000 - GRAD.DWG
2/23/2025 11:01 AM



Solution Blue, Inc.

6110 Blue Circle Dr

Suite 230

Phone: 651-294-0038

info@solutionblue.com

www.solutionblue.com

Date: July 21, 2026

To: Ramsey Washington Metro Watershed District

From: Ben Lucas, P.E. – Solution Blue, Inc on behalf of Lupe Development Partners

Subject: Little Canada Development Rule E: Wetland Management, No-Disturb Buffer Width Variance Request

BACKGROUND

The purpose of the report is to describe the proposed stormwater management design for the proposed Little Canada Development project by Lupe Development Partners, which is located at County Road B East & Rice Street in the City of Little Canada, Minnesota ("Site") and to document compliance with State and local requirements. The Site overall is 2.63 acres, and the project proposes to disturb a total of 2.68 acres. The project will consist of developing a vacant wooded property with a 5-story senior housing building with a driveway, underground & surface parking lots, sidewalks, and sewer & stormwater infrastructure. The goal of the stormwater management design is to meet or exceed the requirements of the Authorities Having Jurisdiction (AHJ) by reducing the rate of runoff generated by the project site while providing the required water quality volume.

RULE E: WETLAND MANAGEMENT

There are no wetlands in the project site as determined by Kjolhaug Environmental Services in their site investigation from December 2022 (Attachment A). According to Kjolhaug's site investigation, however, there is a PUBG/PEM1A wetland complex as identified by the National Wetlands Inventory (NWI) adjacent to the project site. Wetland 1 is an offsite wetland that lies between an offsite driveway, and the western site boundary (Figure 2 of Attachment A) and Wetland 2 is the PEM1A wetland located just north of project site (Figure 3 of Attachment A). The delineation report was submitted to RWMWD (application ID #22-24 WCA) and an NOD was received on 01/06/2023 (Attachment B). A joint application to the watershed will be submitted at the same time as this memo, documenting the impacts described below. See Figure SB-1 for wetland and wetland buffer locations.

WETLAND 1

The project will not directly impact Wetland 1, however, a proposed sanitary service connection to the City of Little Canada's public main will be constructed just south of the offsite wetland. The minimum 12.5-foot wetland buffer width will be maintained as in existing conditions; however, the buffer will be disturbed by constructing the sanitary service connection. The sanitary service pipe is proposed to be an 8-inch PVC (SDR 35) approximately 7 feet to 16.5 feet away from the wetland boundary, as measured to the pipe centerline. Only the last 30 linear feet of the sanitary service pipe will be constructed within the minimum wetland buffer, and the trenching required to install the pipe will disturb portions of the minimum and the average wetland buffer. Impacts to the buffer zones are unavoidable because it is not feasible to connect to the next upstream sanitary manhole in County Road B due to distance and slope conflicts for a gravity sewer connection. The manhole that this project is connecting into is also the last upstream manhole to the City's lift station that sends the public sanitary across Trunk Highway 36

northwards, which prevents a connection to the north of the southernmost wetland. Buffer zone disturbances will be minimized by using a trench box to install the sanitary service pipe and will be temporary.

There is also a storm sewer outlet from the proposed entry drive that daylights immediately north of this sanitary location and abuts against the 12.5-foot wetland buffer. The proposed grades for the entrance drive follow the existing grade profile to minimize disturbance, therefore a low area has been created adjacent to the wetland and is proposed to be collected and discharged from the proposed storm sewer structures. A large sump manhole is proposed to be installed upstream of the flared outlet, and the placement of the structure is proposed to be just upland of the buffer zone to avoid any disturbance into the minimum buffer zone. Disturbances into the average buffer zone will be minimized by using a trench box to install the storm outlet pipe and will be temporary and to match existing slopes from the proposed roadway at 2:1 slopes and temporary erosion control seeding and mats.

Disturbances to Wetland 1 include:

- Temporary & permanent wetland impact: none
- Temporary impact into Minimum Buffer Zone (12.5') – 372 sf for pipe trenching and installation
- Permanent impact into Minimum Buffer Zone (12.5') – 23 lf of 8" PVC (SDR 35) pipe installed at an approximate depth of 15 feet below grade
- Temporary impact into Average Buffer Zone (25') - 636 sf for pipe trenching and installation for sanitary pipe, 440 sf for pipe trenching and installation for storm sewer outlet and grading to match existing elevations
- Permanent impact into Average Buffer Zone (25') – 75 lf of 8" PVC (SDR 35) pipe installed at an approximate depth of 15 feet below grade, 12 lf of 12" PVC (SCH 40) pipe installed at an approximate depth of 5 feet below grade

WETLAND 2

The project will not directly impact Wetland 2 or the buffer zones. Proposed grading limits from the building foundation to tie into existing elevations at the NW corner of the project site will end at the site's western border just south of the average 25-foot buffer zone, and approximately 20 feet south of the northern site border also outside of the average 25-foot buffer.

BUFFER RESTORATION

The existing vegetation in the upland areas at wetland 1 (where the buffer disturbance will occur) is of low quality and mostly wooded vegetation. It was noted in the wetland report as being primarily Reed canary grass and Canada Thistle near Wetland 2, though no buffer zone disturbance is proposed near this area.

Restoration in the buffer and wetland areas of Wetland 1 will consist of seeding with the MnDOT Wet Ditch seed mix for all areas within the minimum buffer and average buffer zones. This seed mix contains many native plant species from several functional groups to create a locally adapted, diverse planting that is resilient to Minnesota weather extremes. This area will not be mowed by the adjacent property owner.

NO-DISTURB BUFFER WIDTH VARIANCE REQUEST

Based on previous information provided by the Kjolhaug and NWI, the offsite wetlands along the western and northern site boundaries are of low quality and therefore per Rule E 3. (d)(1), a no-disturb buffer of at least 12.5 feet (average 25 foot) is required adjacent to all offsite wetlands. A minor amount of construction is required within the minimum no-disturb buffer of Wetland 1 (pipe trenching and installation for the sanitary service



connection to main) as well as the average 25-foot buffer zone (pipe trenching and installation for the sanitary and storm pipes).

As the requirement to maintain a 12.5-foot no-disturb buffer cannot be satisfied in all areas of the project, Lupe Development Partners requests a variance from this section of Rule E to permit the project work to proceed.

See Figure SB-1 (attached) for locations where disturbance is anticipated within the 12.5-foot no-disturb buffer. Please do not hesitate to contact Benjamin Lucas (651-294-5535, blucas@solutionblue.com) on behalf of Lupe Development Partners with any questions regarding this submittal or if additional information is needed.

FIGURE SB-1: ANTICIPATED WETLAND BUFFER DISTURBANCE



SB-1

Minnesota Wetland Conservation Act Notice of Decision

Local Government Unit: Ramsey-Washington Metro Watershed District (RWMWD) County: Ramsey	
Applicant Name: Aaron Diederich (Lupe Development) Applicant Representative: Mark Kjolhaug (Kjolhaug Environmental)	
Project Name: xx County Rd B E Little Canada	LGU Project No. (if any): 22-24 WCA
Date Complete Application Received by LGU: 12/9/2022	
Date of LGU Decision: 1/6/2023	
Date this Notice was Sent: 1/6/2023	

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
--

LGU Decision

☐ Approved with Conditions (specify below) ¹ List Conditions:	☒ Approved ¹	☐ Denied
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 decision¹.

☐ Attachment(s) (specify): ☒ Summary: Nicole Soderholm (RWMWD- LGU) and Mary Clare McAleer (Kjolhaug) completed a field review of the site on 1/6/23. Based on observation of abrupt topography, wooded upland vegetation, and a review of aerial photos during the growing season, the report requesting a no wetland determination for the parcel in question is appropriate. Future development and/or redevelopment of the parcel may require compliance with the RWMWD's no-disturb wetland buffer rules since there is a wetland present on the adjacent parcel.

Attached Project Documents

☒ Site Location Map ☐ Project Plan(s)/Descriptions/Reports (specify):

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?

☐ Yes¹ ☒ No

¹If 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: Mike Goodnature (Ramsey County)	☒ BWSR TEP Member: Ben Meyer
☐ LGU TEP Member (if different than LGU contact):	
☒ DNR Representative: Jim Levitt	
☐ Watershed District or Watershed Mgmt. Org.:	
☒ Applicant (notice only): ☒ Agent/Consultant (notice only): Mary Clare McAleer (Kjolhaug Environmental)	

Optional or As Applicable:

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

Signature: 	Date: 1/6/2023
--	--------------------------

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

Permit Application Coversheet

Date August 05, 2026

Project Name Conway Family Center

Project Number 26-23

Applicant Name Seth Washington, Sanneh Foundation

Type of Development Institutional

Property Description

This project is located on Conway Street east of Ruth Street in the City of St. Paul. The applicant is proposing to demolish an existing building in order to construct a new building, parking lot, sidewalks, and utilities. The total project disturbed area is 2.9 acres. A surface filtration basin and underground filtration system are proposed to meet stormwater treatment requirements. The proposed underground system will utilize a detention chamber with a proprietary filtration outlet manhole. Stormwater pretreatment will include sumped inlets.

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 control 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.

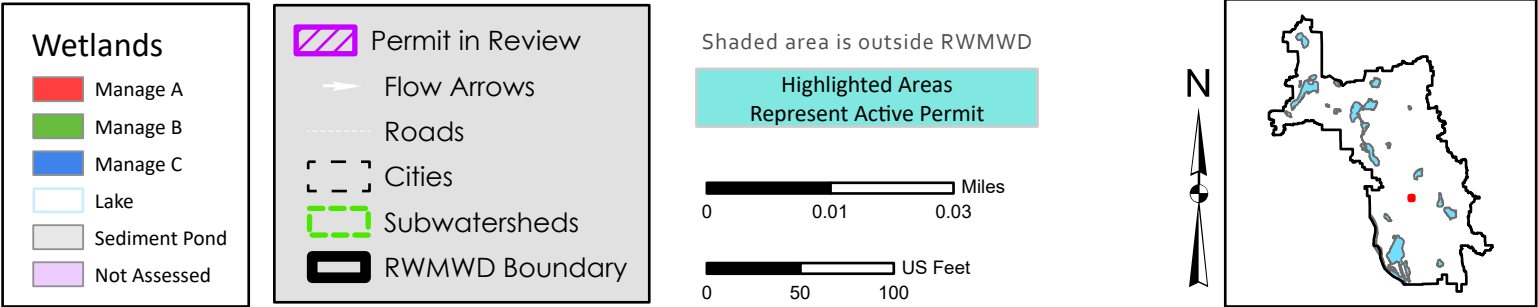
Staff Recommendation

Staff recommends approval of the permit with the special provisions.

Attachments:

- ☒ Project Location Map
- ☒ Project Grading Plan

#26-23 - Conway Family Center



Special Provisions

1. The applicant shall show inspection manholes and clean-out locations on the plans for the proposed stormwater facilities.
2. The applicant shall submit the complete and final, signed plans set.
3. The applicant shall submit an executed stormwater maintenance agreement for the proposed stormwater facilities.
4. The applicant shall submit contact information for the trained/certified erosion control coordinator responsible for implementing the SWPPP.
5. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.
6. The applicant shall submit the escrow surety of \$14,500.

Stewardship Grant Application Summary

Project Name: MECA Urban Soil Health Workshop

Application Number: 26-31 CS

Board Meeting Date: 8/5/2026

Applicant Name: Minnesota Erosion Control Assosiation

Residential ☐

Commercial/Government ☒

Project Overview:

The Community Partner Grant pilot program is intended to support programs and projects within RWMWD that encourage residents to learn about and adopt behaviors that positively impact water resources.

Minnesota Erosion Control Association is co-hosting an Urban Soil Health Workshop for Stormwater Practioners on October 6th, 2026 in Woodbury. The focus of the workshop is to increase awareness, build practical skills, and inspire actions that will connect soil health with stormwater management and how to improve water quality and build more resilient landscapes.

While the workshop content will be more closely tailored to stormwater professionals and practitioners, the registration will be open to the public and event promotion will encourage community leaders, educators, and interested residents to participate.

The application is eligible for 100% coverage up to a total of \$25,000.

BMP type(s):

Other(1)

Grant Request:

\$6,500.00

Recommendation:

Staff recommends approval of this application.

Subwatershed:

Carver Lake

Location Maps:

Stewardship Grant Application Summary

Project Name: Mabe

Application Number: 26-32 CS

Board Meeting Date: 8/5/2026

Applicant Name: Meghan Mabe

Residential ☒

Commercial/Government ☐

Project Overview:

This project is located off Westview Drive in the City of Shoreview. The applicant is proposing to install two native planting areas and two rain gardens.

The native habitat restorations and rain gardens are eligible for 50% and 75% coverage, respectively, up to a total of \$15,000.

BMP type(s):

Native Habitat Restoration(2), Rain Garden(2)

Grant Request:

\$6,500.00

Recommendation:

Staff recommends approval of this application.

Subwatershed:

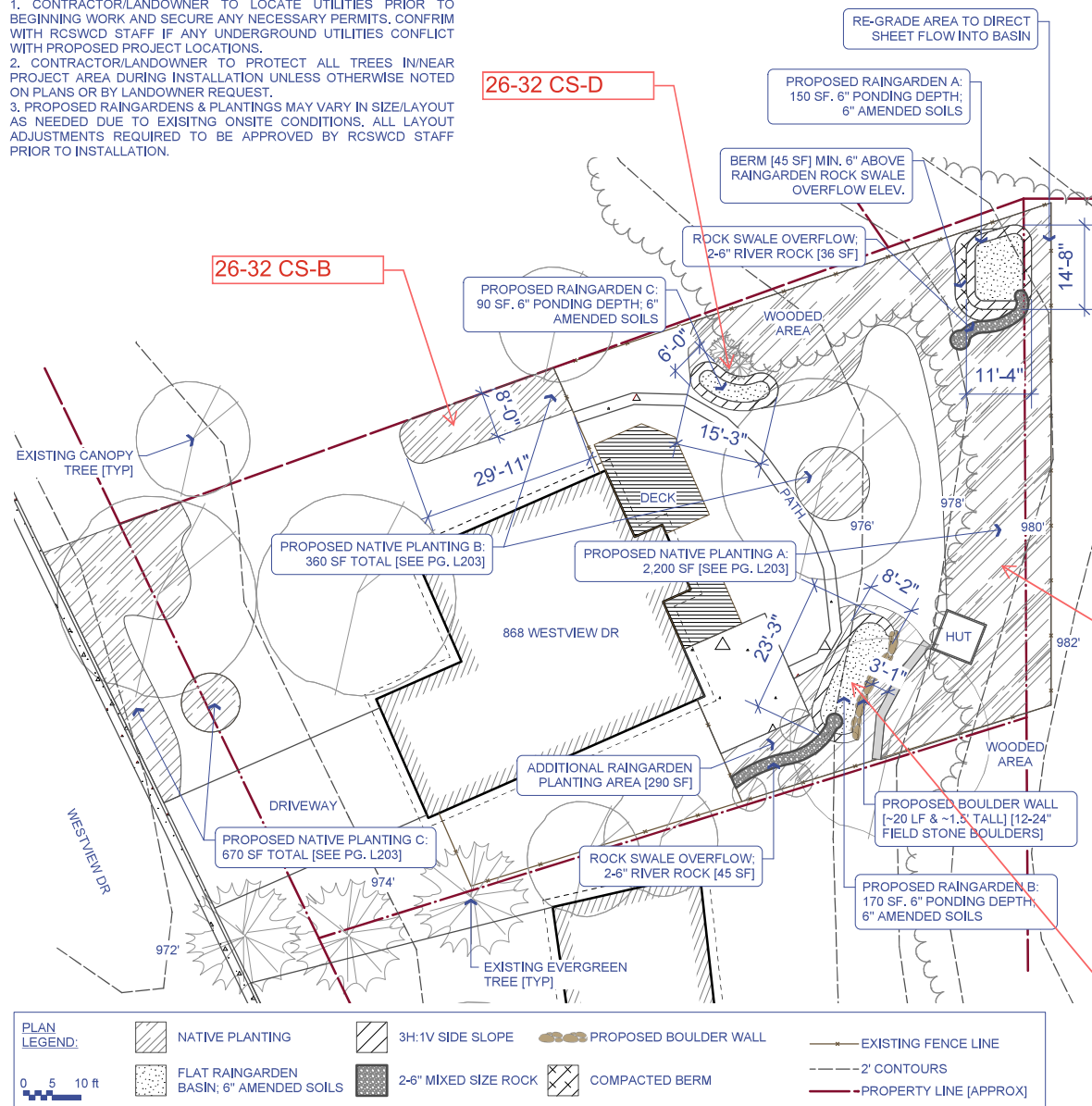
Snail Lake

Location Maps:



GENERAL PROJECT NOTES:

1. CONTRACTOR/LANDOWNER TO LOCATE UTILITIES PRIOR TO BEGINNING WORK AND SECURE ANY NECESSARY PERMITS. CONFIRM WITH RCSWCD STAFF IF ANY UNDERGROUND UTILITIES CONFLICT WITH PROPOSED PROJECT LOCATIONS.
2. CONTRACTOR/LANDOWNER TO PROTECT ALL TREES IN/NEAR PROJECT AREA DURING INSTALLATION UNLESS OTHERWISE NOTED ON PLANS OR BY LANDOWNER REQUEST.
3. PROPOSED RAINGARDENS & PLANTINGS MAY VARY IN SIZE/LAYOUT AS NEEDED DUE TO EXISTING ONSITE CONDITIONS. ALL LAYOUT ADJUSTMENTS REQUIRED TO BE APPROVED BY RCSWCD STAFF PRIOR TO INSTALLATION.



NOTES:

1. REMOVE EXISTING VEGETATION [TURF AND/OR PERENNIAL] IN PROJECT AREA. HERBICIDE APPLICATION [1-2 MINIMUM] OR EQUIVALENT MECHANICAL METHOD OF REMOVAL.
2. DEAD TURF GRASS CAN REMAIN IN PLACE FOR EROSION CONTROL PURPOSES OUTSIDE OF RAINGARDEN BASIN AREAS. MOW GRASS SHORT AS NEEDED AND RAKE AREA TO PREP FOR PLANTING.
3. RE-GRADE AREAS SURROUNDING RAINGARDEN BASINS AS NEEDED TO ENSURE OVERLAND FLOW IS DIRECTED INTO BASIN AREAS.
4. EXCAVATE RAINGARDEN BASIN AREAS. INSTALL BOULDER RETAINING WALL & RAINGARDEN COMPACTED BERM PER ELEVATIONS NOTED ON PLANS. USE TRACKED EQUIPMENT ONLY AND WORK IN A WAY TO LIMIT COMPACTION OF SOILS IN RAINGARDEN BASIN LOCATIONS.
5. INSTALL DRY CREEK BED OVERFLOWS AT LOCATIONS SHOWN ON PLAN WITH 2-8" CLEAN WASHED RIVER ROCK OR APPROVED EQUIVALENT. INSTALL NON-WOVEN GEOTEXTILE BETWEEN ROCK & SOIL.
6. INSTALL 2-3"-THICK TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE RAINGARDEN & PLANTING AREAS.
7. INSTALL NATURAL SHOVEL CUT EDGE BETWEEN NATIVE PLANTING AREA & EXISTING TURF LAWN. ENSURE WATER CAN FLOW FREELY OVER EDGE INTO RAINGARDENS. [OR APPROVED EQUIVALENT EDGING MATERIAL]
8. INSTALL NATIVE PLANTS THROUGHOUT RAINGARDENS & PROPOSED PLANTING AREA. SEE SUGGESTED PLANTING PLANS & LISTS PROVIDED ON SHEETS L200-L201.
9. INSTALL PERENNIALS PER PLANTING PLANS OR AT 18-24" SPACING IN GROUPS OF LIKE SPECIES FOR EASY IDENTIFICATION AND WEEDING. INSTALL IN GROUPS OF 12-36 OF SAME SPECIES.
10. INSTALL SHRUBS AT 36-48" SPACING. INSTALL IN GROUPS OF SAME SPECIES OR AS INDIVIDUAL PLACEMENTS.
11. LANDOWNER/CONTRACTOR MAY ADD/SUBSTITUTE FINAL SPECIES FOR PROJECT. IF ALTERNATE SPECIES ARE USED, CONTRACTOR/LANDOWNER MUST PROVIDE A LIST INCLUDING SPECIES, SIZING, AND QUANTITY TO RCSWCD STAFF PRIOR TO PURCHASE AND INSTALLATION FOR APPROVAL.
12. RESTORE ANY DAMAGE TO LANDSCAPE/TURF GRASS OUTSIDE OF PROJECT AREA WITH SEED OR SOD.
13. EXACT SIZE/SHAPE OF PLANTING AREA MAY VARY. MAINTAIN APPROXIMATE SQUARE FEET SIZE. VERIFY FINAL LAYOUT WITH LANDOWNER PRIOR TO VEGETATION REMOVAL AND PROJECT INSTALLATION.



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

PROJECT:
MABE RESIDENCE

LOCATION:
868 WESTVIEW DRIVE
SHOREVIEW, MN 55126

WATERSHED DISTRICT:



DESIGNER: BRIAN T. OLSEN

DATE: 6/23/2026

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"=20'-0"



SITE LAYOUT

L100

Consent Agenda Action Item

Board Meeting Date: August 5, 2026

Agenda Item No: 3F

Preparer: Tina Carstens, Administrator

Item Description: Change Order 1 for Gustavus Adolphus Targeted Retrofit Project

Background:

Change Order 1 for the Gustavus Adolphus targeted retrofit project is attached.

Change Order 1 is for the modification of a concrete stoop and tree removal. The change in work resulted in an increase in contract price of \$9,475.

Applicable District Goal and Action Item:

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

Action Item: Implement retrofit water quality improvement projects.

Staff Recommendation:

Approve Change Order No. 1.

Financial Implications:

The total change in the contract price is \$9,475.

Board Action Requested:

Approve Change Order No. 1.

Change Order No. 1
Ramsey-Washington Metro Watershed District
2026 Targeted Retrofits – Gustavus Adolphus

DATE OF ISSUANCE: July 19, 2026

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

Contractor: McLafferty Contracting Group, LLC
29159 Ivywood Trail
Chisago City, MN 55013
Attn: Stephan McLafferty

Engineer: Barr Engineering Company
4300 MarketPointe Drive, Suite 200
Minneapolis, MN 55435
Attn: Marcy Bean

Summary:

The work in this change order was necessary to construct the 2026 Targeted Retrofit project at Gustavus Adolphus in accordance with design intent of the Drawings and Specifications, and within the window of time crews were available on site. The contractor completed the work in good faith, under written authorization and direction by the owner's representative.

C.0.1

C.O.1.A Concrete Stoop Modification

Description of Change:

Upon excavation in front of the existing entrance vestibule, it was determined that existing conditions of the stoop differed from those assumed during design. To bring the concrete slab and stoop up to modern day code, an additional subsurface concrete wall with footing and reinforcement was required. Barr's structural engineers reviewed the existing conditions and provided design modifications, resulting in the following change of price. This change reflects the need to form, reinforce, and pour an additional subsurface concrete wall with associated footing at the stoop.

Bid Form:

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

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Final Cost
C.O.1.A	Concrete stoop modification	LS	1	\$8,675.00	\$8,675.00

Measurement and Payment:

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

C.O.1.A Concrete Stoop Modification

1. Method of Measurement: Concrete Stoop Modification shall be measured as a lump sum (LS) for formwork, reinforcement, and pouring of concrete per revised structural design.
2. Basis of Payment: Contractor shall be paid a lump sum (LS) price to complete all work as specified. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations necessary to complete the work.

C.O.1.B Tree removalDescription of Change:

In preparation for concrete sidewalk replacement, it was determined that two existing trees near the sidewalk were of a horizontal stature that would interfere with use of the sidewalk. Removal of the trees and replacement with a more appropriate size and shape for the location was approved by the Owner. Tree replacement will be captured as a quantity change for Bid Item FF.

Bid Form:

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

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Final Cost
C.O.1.B	Remove tree	EA	2	\$400.00	\$800.00

Measurement and Payment:

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

C.O.1.B Remove Tree

1. Method of Measurement: Remove Tree shall be measured per each (EA) for tree removal, including stump removal.
2. Basis of Payment: Contractor shall be paid per each (EA) tree removed. This unit price shall be payment in full for the costs of all supervision, materials, equipment, labor, supplies, profit and overhead, and performing all operations necessary to complete the work.

Change in Contract Time: None

Total Impact on Contract Price:

These changes *increase* the contract price by **\$9,475.00**.

This Change Order No. 1 is:

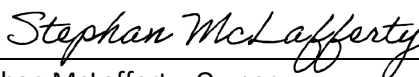
Submitted By:
(ENGINEER)



Marcy Bean, PLA, Project Manager
Barr Engineering Company

Date: 07/19/2026

Approved By:
(CONTRACTOR)



Stephan McLafferty, Owner
McLafferty Contracting Group, LLC

7/21/2026
Date: _____

Authorized By:
(OWNER)

Val Eisele, President
Ramsey-Washington Metro Watershed District

Date: _____

Permit Program

Permit Application Coversheet

Date August 05, 2026

Project Name The Heights Public Amenities- Outlots F, A, B Project Number 26-24

Applicant Name Kristine Williams, St. Paul Port Authority

Type of Development Park/Green Space

Property Description

This project is located west of McKnight Road and south of Larpenteur Avenue at "The Heights" common plan of development in the City of St. Paul. The applicant is proposing to construct a series of trails, boardwalks, nature play areas, seating areas and gathering spaces, landscaping, and native plantings within Outlots F, A, and B of the development. The total proposed disturbed area for this phase is approximately 13 acres. A vast majority of the proposed trails are considered disconnected, therefore stormwater treatment is not required. The applicant is proposing to utilize regional stormwater treatment facilities at The Heights to meet volume reduction requirements for the remainder of impervious area (631 square feet) not considered disconnected (Permit #24-17).

A previous permit approval in 2023 (#23-17) approved buffer widths for the outlots which contain natural (historic) and constructed (mitigation) wetlands. The RWMWD Board of Managers were aware at the time that this subsequent buffer variance request included with the current permit submittal would be submitted when the public amenities design was complete. The applicant presented the scope and vision of these outlots via a presentation at the December 2023 board meeting to gather initial feedback from the Managers. Temporary and permanent impacts to wetland buffer areas are proposed, and a table with impact calculations is enclosed. Due to mass grading and soil remediation these areas have already been disturbed as part of the overall development. Staff have reviewed the variance request and will verify by way of inspections during construction that any areas temporarily disturbed to accommodate access and construction will be restored in accordance with the approved Wetland Conservation Act (WCA) project-specific replacement plan as well as the landscaping plans for the project. The proposed plans are consistent with the vision outlined in the 2023 presentation to the Managers.

Watershed District Policies or Standards Involved:

- | | |
|--|---|
| ☒ <i>Wetlands</i> | ☒ <i>Erosion and Sediment Control</i> |
| ☒ <i>Stormwater Management</i> | ☐ <i>Floodplain</i> |

Water Quantity Considerations

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

Water Quality Considerations

Short Term

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

Long Term

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

Staff Recommendation

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

Attachments:

- ☒ Project Location Map
- ☒ Project Grading Plan

#26-24 - The Heights Public Amenities



Wetlands

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



Permit in Review



Roads



Cities



Subwatersheds



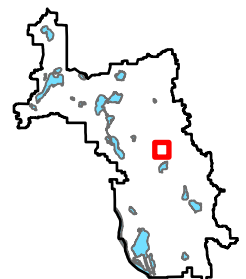
RWMWD Boundary

Shaded area is outside RWMWD

Highlighted Areas
Represent Active Permit

0 0.1 0.2 Miles

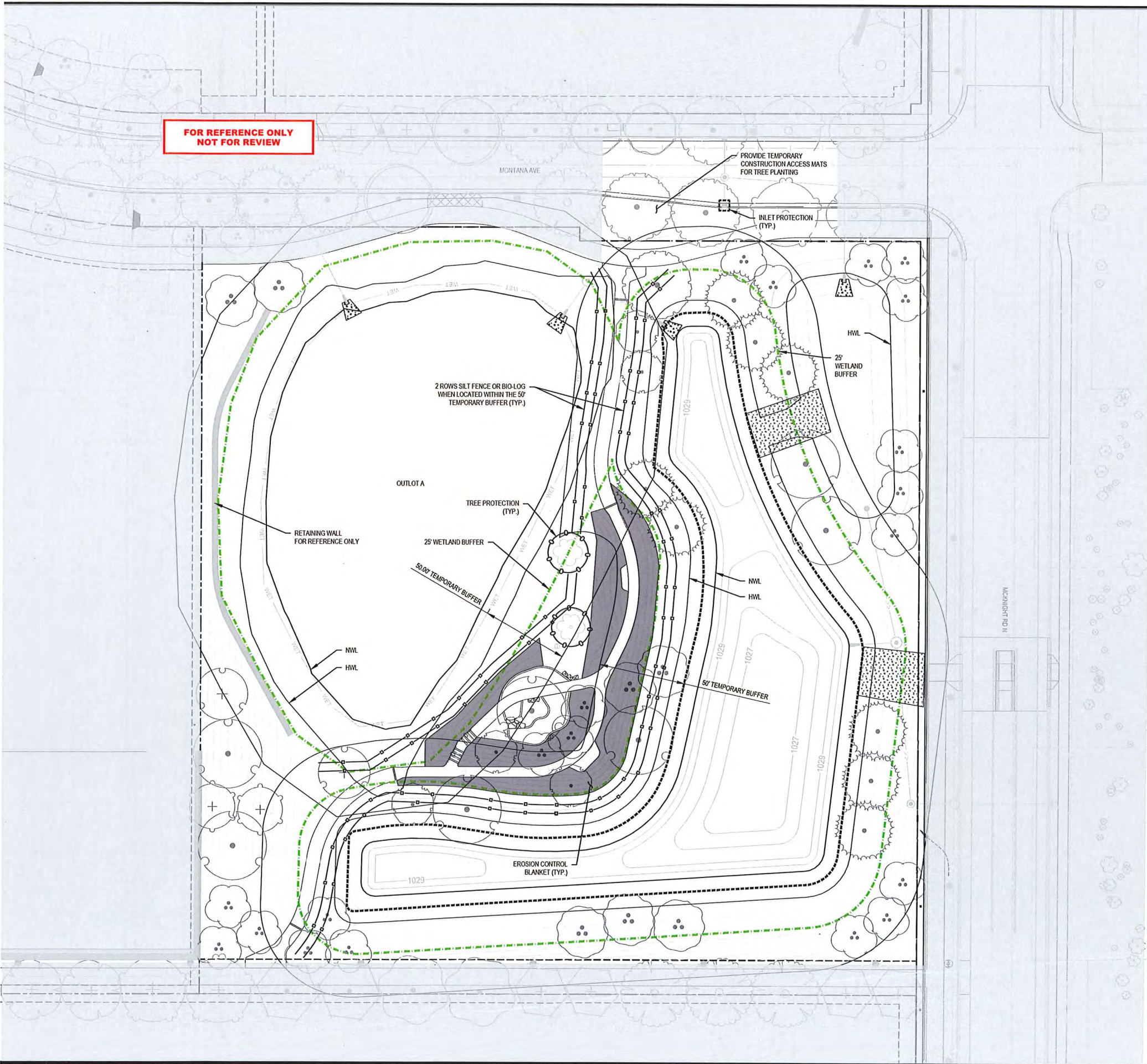
0 400 800 US Feet



Special Provisions

1. The applicant shall add notes to the plans:
 - A. Notify Mary Fitzgerald, Ramsey-Washington Metro Watershed District, at 651-417-4552 prior to beginning any and all construction activity for an initial SWPPP inspection.
 - B. Notify Mary Fitzgerald, Ramsey-Washington Metro Watershed District, at 651-417-4552 at least 48 hours prior to the restoration of the wetland buffer, to commence the establishment period.
2. The applicant shall submit a Stormwater Pollution Prevention Plan (SWPPP) with applicable MPCA requirements.
3. The applicant shall provide contact information for the trained/certified erosion control coordinator responsible for implementing the SWPPP.
4. The applicant shall revise the erosion control plans/details:
 - A. The plans call out anti-tracking mats, but the details show rock exits. Include details for mats on Sheet C511.
 - B. Sheets C112, C113, C114: It is unclear what the speckled rectangles are meant to represent as they are not included in the legend.
5. The applicant shall submit the final, signed plans set.
6. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.

File Path: -\\MSR\\proj\\19071000\\Drawings\\C110\\C110 EROSION CONTROL PLANS.dwg
Plot Date: 5/27/2026 3:10 PM





MEMORANDUM

The Heights

Saint Paul Port Authority

June 22, 2026 *Revised July 23, 2026*

To: Nicole Maras, Ramsey-Washington Metro Watershed District
From: Nikki Schlepp, Senior Landscape Architect
Re: Heights Outlots F, A, and B Watershed Review Submittal

Introduction

This watershed review submittal is for the Heights public realm site amenities and landscape in Outlots F, A, and B only. Public realm site amenities and landscape included within the ROW and Outlot C have already been reviewed as part of the Heights infrastructure package. A submittal for Outlot E will occur later. This memo is to provide a brief background of the overall Heights public realm landscape vision and a description for Outlots F, A, and B.

After completing the review process, it is the intention of LHB and Saint Paul Port Authority (SPPA) to bid all of the landscape and public realm elements for the Heights as one construction package. The LHB drawings are currently organized to accommodate this larger bid package. For clarity and ease of watershed review, we have only included the sheets that directly relate to Outlots F, A, and B. The same package has been submitted to the City of Saint Paul and is in the process of site plan review.

On the plan sheets, any areas outside of the outlots have been shaded in gray and marked as reference only to further provide distinction between what is being submitted as part of this Outlot F-A-B review package versus what has already been reviewed by the city as part of the infrastructure package. Also note that utilities, stormwater, and grading for Outlots F, A, and B were included as part of the infrastructure package review.

Heights Public Realm and Landscape Background

The public realm at the Heights will provide the framework for the integrated, accessible, and vibrant community connections envisioned for this unique site, including amenities that will connect residents and visitors to wetlands and stormwater areas with meaningful interpretation. The design for these spaces is built on the foundation established by the Master Plan, extensive community engagement conducted by SPPA, and LEED for Communities requirements. The result is a vision for a variety of interconnected public and privately-owned public spaces that will reflect and contribute to the values of the community (see Exhibit 1).

The landscape design for the public realm will reflect several core themes that were established by the community. The design incorporates play and provides places for the community to gather. This includes playful use of materials, color, and form and incorporates interactive elements in its placemaking. The design also expresses the project's sustainability goal by creating habitat and increasing diversity, using reclaimed and sustainable materials in a modern way. The landscape also supports vegetative diversity and marks seasonality.

Exhibit 2 provides graphics that were shared with the community at a public open house held in May 2025. These graphics highlight the overall landscape direction for the Heights public realm, show the outlots in relation to the

rest of the Heights development, includes colored concept plans for Outlot F, A, and B, and the precedent imagery that guided the design.

The outlots were of particular interest to the community during the engagement process as opportunities for exploration, gathering, and respite. The design incorporates this vision with Outlots F, A, and B having unique functions and character that respond to their context, topography, the presence of wetlands, and stormwater areas. A description of how the plans integrate ecological, functional, and social functions at Outlots F, A, and B are included below.

Outlot F “Vista” Open Space

The area known as “The Vista” connects the Howard Street right-of-way on the west through a park-like open space to existing Wetland C on the east. Rolling topography shapes gathering and play spaces along a curvilinear trail. On the west side, a permeable stabilized aggregate surface trail leads to the high point “hilltop overlook” with small seating and picnicking areas, which recalls how this area was known as the highest point in Saint Paul. South of the trail, several seating areas are connected by a linear play experience featuring natural wood structures, boulders, and a hill slide. Towards the east end of the park, the topography undulates in a series of small knolls to encourage play and leads to the terminus at the wetland overlook. A ramp and stairway with integrated seating weaves down the slope to the wetland boardwalk. The boardwalk features small gathering and seating areas and provides connections back to the street level on the north and east sides of the park. Plantings will be focused on native short-grass prairie and oak savanna woodland species on the uplands and mesic prairie and floodplain forest restoration within the wetland buffer.

Outlot A “Relax + Play” Open Space

The design for Outlot A includes a curvilinear boardwalk that connects trails to the north and south of the open space, carefully inserted between two wetland areas (existing Wetland D and the Wetland D Mitigation Area) for minimal impact. On the hill between the two wetlands, a small nature play area is featured with salvaged timbers and boulders. Salvaged logs will be transformed to create seating, steppers, balancing beams, and a climbing feature. A permeable stabilized aggregate surface trail and timber stairs lead up the hill from the boardwalk to connect the linear walkway and another play moment. Landscaping will focus on native wetland restoration and canopy trees.

Outlot B “Retreat + Discover” Open Space

A large wetland complex comprised of existing Wetland H and the Wetland H Mitigation Area dominates the area of Outlot B. The design focuses on providing a north-south trail and boardwalk through the restored wetlands to create a walking loop connected to the sidewalks and trails within the right-of-way that border the Outlot. The trail and boardwalk experience will feature native landscape showcasing prairie, oak savanna, and wetland restoration. Small seating nodes along the boardwalk encourage discovery and moments of reflection with the central seating area featuring a bird blind.

Maintenance and Irrigation

SPPA understands that some of these landscape features require maintenance that is different than more conventional rights-of-way or stormwater areas. SPPA will administer additional maintenance of those areas or items and will also coordinate with the City of Saint Paul to move or replace features that are disrupted by emergency maintenance requirements. The Port and City have been meeting to discuss an agreement to memorialize this approach and we will keep the Watershed apprised of our progress.

Outlots will not be permanently irrigated. Species within the outlots have been selected for drought hardiness. The current plans for review include a design-build irrigation diagram and specification that will be bid as an alternate so that SPPA can evaluate the most efficient and cost-effective method to deliver water to the outlots landscape features during the establishment period.

Rule Applicability

We have reviewed the RWMWD Rules. The following rules have been addressed by previous submittals by WSB on behalf of the St. Paul Port Authority (SPPA): Rule C Stormwater (aside from items listed below), Rule D Flood Control, Rule G Illicit Discharge and Connection. The following rules are applicable to this submittal:

RULE B: PERMIT PROCEDURAL REQUIREMENTS

Please see Narrative above and all required plans, attached.

RULE C: STORMWATER

All trails and amenities described above are accounted for in the previously approved district stormwater system. In addition, all efforts have been made to minimize stormwater runoff from trails and amenities in the Outlot areas, and especially in the wetland buffers. Except for 631 square feet of stabilized aggregate trail that exceeds 5% slope, all trails qualify as “disconnected” under Rule C. While we understand that stabilized aggregate trails are required to be calculated as impervious surface, the manufacturer's product materials and our experience with this surface type is that it does perform as a permeable surface (<https://organic-lock.com/blog/benefits-of-permeable-surfaces-in-landscape-architecture>). Therefore, even the steepest section of trail should have very little stormwater runoff. Combined with the use of the district stormwater system, we anticipate that the trails and amenities described in this application will not have a negative impact on stormwater runoff quality, quantity, or rate.

RULE E: WETLAND MANAGEMENT

We respectfully request a variance to the rule prohibiting disturbance in wetland buffers. As described above, and presented to the Watershed Board in December 2023, this project includes a significant effort to provide sensitive but meaningful public interaction with the wetlands and other open areas on this site. Through the use of trails, passive recreation, and play, the proposed amenities will connect residents and visitors with the spaces with the intention to help them better understand the role of wetlands and stormwater management in their community.

All amenities have been designed to minimize negative impacts on natural and constructed systems both during construction and after. For example, as described above, trails primarily use permeable stabilized aggregate surfacing within the previously approved average buffer areas and exclusively use helical pier boardwalks within the minimum buffers (for information on buffer widths, see Variance Request 23-17 and buffer areas reflected on the attached exhibits). Boardwalk surface areas are considered a temporary impact, except for the helical piers, which total less than 36 square feet of permanent impact in buffer areas and less than 2 square feet of impact in Wetland C for an overlook area. A Wetland Conservation Act application has been submitted to the City for those two square feet and City staff indicated they will swiftly approve that application. A table of these areas has been provided (see Heights Wetland Buffer Impact Calculations, attached), and in total all the proposed trails and amenities constitute an area less than 5% of the total wetland buffer area, providing tremendous public benefit with minimal impact.

All buffer and wetland areas, which were significantly disturbed by previously approved grading operations, will be restored with wetland seed mixes to match previously installed seed, along with native trees, saplings, and shrub live stakes suitable for riparian habitat to enhance biodiversity, habitat creation, slope stabilization, and increase filtration within the buffer. By enhancing the vegetation in this area, any potential negative water quality impacts are countered by careful attention to planting solutions that take advantage of transpiration, infiltration, and biofiltration.

This design was presented to the RWMWD Board of Directors on December 13, 2023, and received with overwhelmingly positive comments. Directors appreciated the opportunities for public access and education, especially interpretive elements and play areas. They commented that amenities were especially needed in this socioeconomically challenged area of the city. Several noted that public access can be provided without compromising the water quality goals of the wetlands, and that providing clear trails and designated play areas might help minimize cut-through trails and other unplanned human impacts. To minimize proposed impacts, there were some requests to confirm that the boardwalk would be supported by helical piers and that the play area would have pervious surfacing, which are confirmed in the proposed design. One Director suggested that sharp angles on the trails be softened into gentle curves, which have also been incorporated in the submitted plans. Overall, the Directors agreed that this is a unique opportunity to develop an urban site where people can connect directly with wetlands and stormwater management in a positive way, without substantially compromising water quality goals.

RULE F: EROSION AND SEDIMENT CONTROL

Specific erosion control plans and details for Outlots F, A, and B are included as part of this review set with specifics for erosion and sediment control BMPs for this phase of the work. The 25-foot wetland minimum buffer and all average wetland buffers are delineated on the erosion control plans with the proposed site amenities and landscaping referenced for context. The contractor is to comply with MPCA construction stormwater permit and the stormwater pollution prevention plan (SWPPP) prepared by WSB dated March 29, 2024, and any revisions for the overall project and subsequent phases.

Attachments: Exhibit 1 Heights Open House Boards, Heights Bid Package 3 Public Realm Site Amenities and Landscape Watershed Review Set for Outlots F-A-B, Heights Buffer Area Impact Calculations

c: LHB Project No. 190871

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OVERALL LANDSCAPE DIRECTION



1 Incorporating Art, Play, & Gathering

- Playful use of materials, color, form
- Including **interactive** elements
- Curvilinear sidewalks
- **Placemaking**

2 Expressing Sustainability

- Embracing urban wilderness to create habitat
- Reclaimed materials with a modern twist
- Incorporating regenerative design
- Allowing **processes to be seen** (i.e. stormwater)

3 Vegetative Diversity & Seasonality

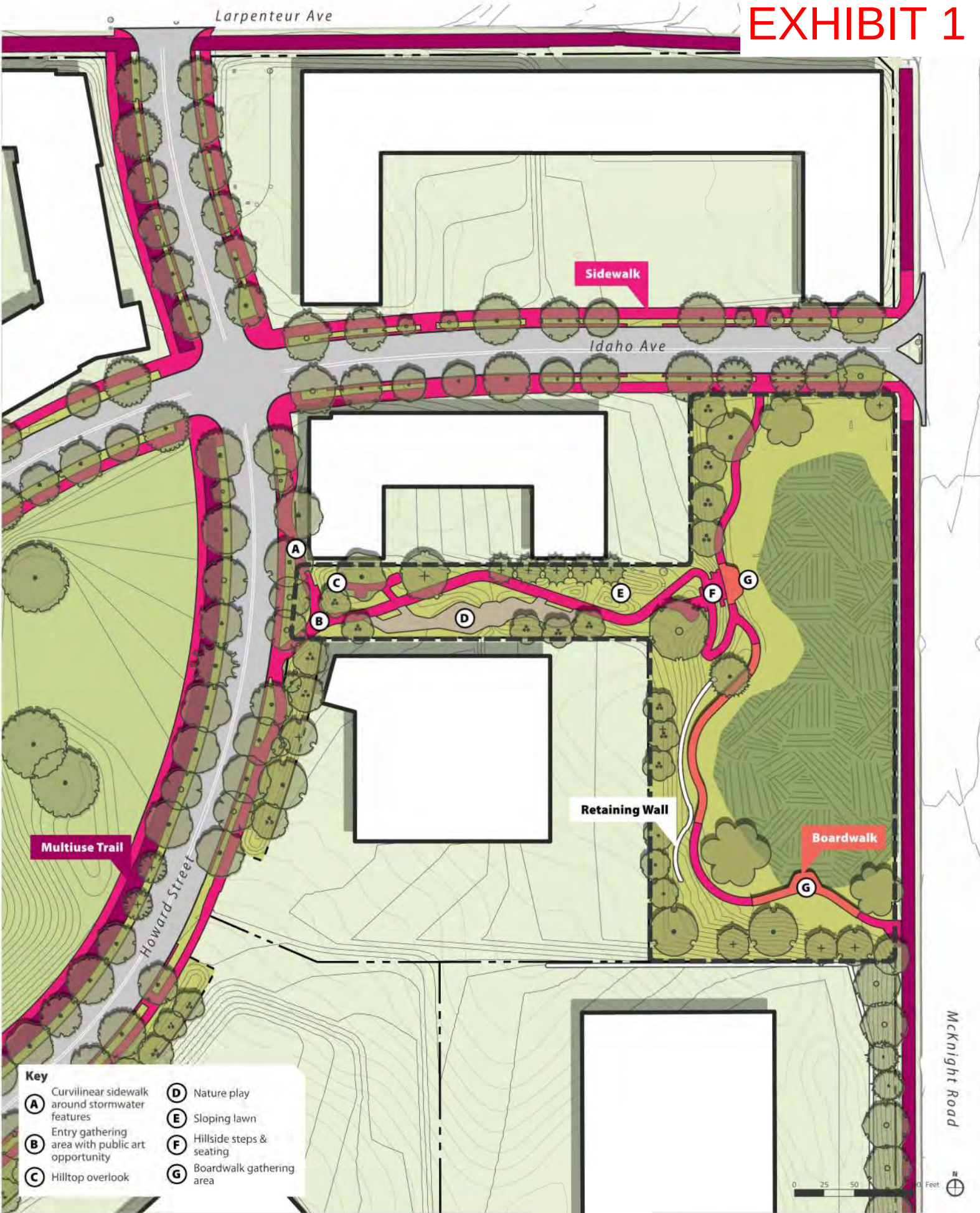
- Creating a new **urban canopy** with tree plantings
- Including **species diversity** in right of way plantings

EXHIBIT 1



OUTLOT F "THE VISTA"

EXHIBIT 1



OUTLOT A "RELAX & PLAY"



EXHIBIT 1



OUTLOT B "RETREAT & DISCOVER"

Prospect and
refuge, use of the
seating doubles
as outdoor
classroom



Places for
Contemplation

Places for
Discovery



Continue to
emphasize
topographic
features



Incorporating
bird blinds



Integrated
public art

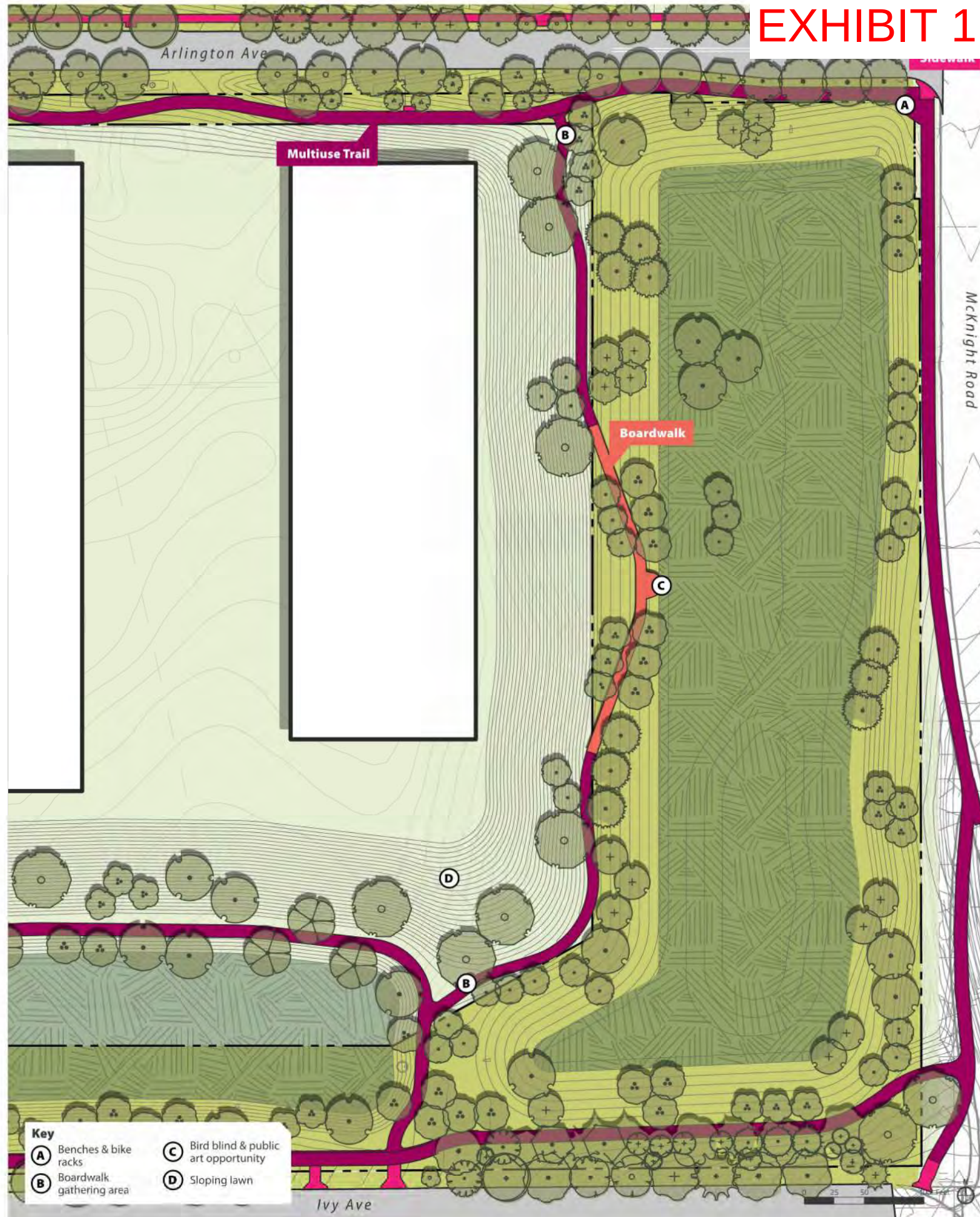


EXHIBIT 1



Heights Buffer Area Impact Calculations

Name	Total Buffer Area (SF)	Disconnected Aggregate Trail Area in Buffer * (outside min buffer only) (SF)	Boardwalk Surface Area in Buffer * (SF)	Timber or Stone Stairs in Buffer (SF)	Playground Area (Wood Fiber Surfacing) in Buffer (SF)	Concrete Walk in Buffer (at sidewalk connections outside min. buffer only) (SF)	Lineal Feet of Boardwalk	Area of helical piers in buffer (SF)	Total area impacted (not incl. temp impacts)	% of Buffer impacted
Outlot F (Wetland C)	48,440	1,576	2,278	422	0	1,349	285	16	3,362	6.94%
Outlot A (Wetland D and Wetland Mitigation Area Total)	110,233	2,228	1,866	149	850	642	233	9	3,878	3.52%
Outlot B (Wetland H and Mitigation Area Total)	100,127	4,681	2,477	0	0	0	310	11	4,692	4.69%
Total	258,800	8,485	6,621	571	850	1,991	828	36	11,932	4.61%
		* In Outlot B/Wetland H, one 631 SF portion of trail exceeds 5% and therefore does not qualify as disconnected under Rule C	* Boardwalk Surface Area is considered a temporary impact; only area of helical piers (Row I) is considered a permanent impact							

Permit Application Coversheet

Date June 07, 2023

Project Name The Heights Phase I

Project Number 23-17

Applicant Name George Hoene, St. Paul Port Authority

Type of Development Grading

Property Description

This project is located at the former Hillcrest Golf Club off Larpenteur Avenue in the City of St. Paul. The applicant is proposing to redevelop the site into an eventual mixed use development including residential, commercial, light industrial, and green space. The total site area is 112 acres. Soil investigation on the site has found widespread contamination from past fungicide use by the former golf course, resulting in a 'brownfield' designation. The scope of this Phase I will include demolition of existing buildings/parking/trails, mass grading, and soil remediation. No impervious area is proposed as part of this phase, however temporary sediment ponds will be constructed throughout the site for the purposes of rate control until the permanent stormwater management plan is finalized and reviewed during a subsequent phase. A wetland delineation, approved in July 2020, identified ten wetlands onsite. The City of St. Paul is the designated Local Government Unit (LGU) responsible for Wetland Conservation Act (WCA) administration and decision-making for this project. Almost all of the existing wetlands are proposed to be impacted for contaminated sediment removal. A wetland replacement plan was approved by the city in May 2023. The proposed plan involves 0.96 acre of temporary impact and 2.87 acres of permanent impact. Replacement of impacted wetlands is proposed at a 1:1 ratio by area onsite to meet RWMWD's 'no net loss' of wetlands policy. The remaining 1:1 replacement will be met through the purchase of offsite wetland bank credits for an overall replacement rate of 2:1 to meet WCA requirements. The wetland impacts and mitigation are proposed to occur during Phase I, so a wetland (Rule E) variance request is included for board consideration. The proposed wetland buffer widths listed are being requested primarily for existing roadways and future roadway construction for the development.

Watershed District Policies or Standards Involved:

- | | |
|--|---|
| ☒ <i>Wetlands</i> | ☒ <i>Erosion and Sediment Control</i> |
| ☒ <i>Stormwater Management</i> | ☒ <i>Floodplain</i> |

Water Quantity Considerations

The proposed Phase I 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

There are no long term water quality considerations related to impervious area.

Staff Recommendation

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

Attachments:

- ☒ Project Location Map
- ☒ Project Grading Plan

Permit Application Coversheet

Date April 03, 2024

Project Name The Heights II

Project Number 24-17

Applicant Name Kathryn Sarnecki, Saint Paul Port Authority

Type of Development Mixed Use

Property Description

This project is located at the former Hillcrest Golf Club off Larpenteur Avenue in the City of St. Paul. The applicant is proposing to continue redevelopment on the site which is described as a mixed use development including designated residential, commercial, light industrial, and green space/wetland areas. 'The Heights Phase I' RWMWD grading permit (#23-17) was approved in June 2023 and issued for construction activity to begin in July 2023. Permit #23-17 includes demolition, soil remediation, mass grading, wetland impacts, wetland mitigation areas, establishment of wetland buffers, and temporary sediment control ponds. Mass grading and wetland remediation/buffer establishment are currently ongoing.

The applicant is now seeking approval for the next phase of redevelopment which includes public and shared infrastructure, such as street construction and reconstruction, utilities, lighting, boulevards, landscaping, restoration, sidewalks, and permanent stormwater treatment BMPs. All individual parcels slated for future development will apply for separate permits to verify compliance with District rules.

The applicant introduced a mix of proposed public amenities on designated outlots at the December 2023 board meeting, including trails, wetland boardwalks, and nature play areas. The public amenity design plan is not yet finalized and will appear as a separate future permit application with the potential for a wetland buffer variance request at that time.

Of the 112-acre site, approximately 72 acres is proposed to be disturbed as part of this phase of development 'The Heights Phase II.' The applicant is proposing a combination of stormwater BMPs, including above- and below-ground treatment for impervious area proposed as part of this phase, in addition to future impervious area on private parcels that are not yet developed. The applicant is requesting to bank the additional volume until those individual lots are developed. 18 BMPs are proposed, including underground filtration systems, linear filtration and infiltration swales with weirs, iron-enhanced filtration basins, and infiltration basins. Pretreatment methods include hydrodynamic separators and sump structures. The City of St. Paul has agreed to own and maintain the proposed stormwater infrastructure/BMPs after the project is complete.

Each future permit application will be reviewed and presented for board approval such that the District can confirm permitting requirements are being met in relation to construction activity throughout all phases of this common plan of development.

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**



REGULATORY PROGRAM MONTHLY MEMORANDUM

Date: August 5th, 2026

To: Board of Managers and Staff

From: Nicole Maras, Regulatory Program Manager
Mary Fitzgerald, Regulatory Specialist
Kendra Kloth, Regulatory Technician
Cooper Klotzbach, BMP Inspector Intern

During July 2026:

Number of Inspections	44
Number of Violations:	16
Remove Sediment from Offsite Areas	6
Install/Maintain Perimeter Control	3
Install/Maintain Inlet Protection	2
Install/Maintain Construction Entrance	2
Maintain/Protect Permanent BMPs	1
Install/Maintain Ditch Checks	1
Install/Maintain Energy Dissipation	1

Inspections in past months	
June	47
May	36
April	37

Permit Program- Trainings and Coordination Meetings:

- 7/1- Internal enforcement process discussion
- 7/2- Lower Phalen Creek Daylighting project coordination w/ City of St. Paul
- 7/6- Conflict management training (all staff)
- 7/6- Regulatory/GIS coordination meeting
- 7/7- Residential wetland site visit, St. Paul
- 7/7- BMP maintenance meeting- Richardson Elementary
- 7/8- Tribal Nations Sovereignty training
- 7/9- Permit enforcement meeting- Victoria Valley, Shoreview
- 7/13- Pre-application meeting- 963 Berwood Ave, Vadnais Heights
- 7/13- Permit review w/ Barr
- 7/13- Pre-application meeting- 1790 Gervais Ct, Maplewood
- 7/13- Pre-application meeting- Tanners Lake outfall, Landfall
- 7/14- Pre-application meeting- Earl Street, St. Paul
- 7/15- Residential drainage concern w/ homeowners and City of Maplewood

7/16- Regulatory Program w/ Urban Roots crew
7/16- Permit enforcement meeting- Woodlane Drive, Woodbury
7/22- Wetlands webinar: Army Corps of Engineers regulatory update
7/22- Pre-application meeting- Weir Drive, Woodbury
7/27- The Heights O&M meeting w/ City of St. Paul
7/29- Lower Phalen Creek Daylighting project coordination w/ City of St. Paul
7/29- Stormwater Impact Fund discussion w/ Minnehaha Creek Watershed District
7/30- Underground BMP Inspections w/ Barr

Single Lot Residential Permits Approved by Staff:

None

Permits Closed:

#20-09	7th Street Townhomes (North St. Paul)
#22-13	American Cooperative on Lake Phalen (Maplewood)
#24-31	Highwood Hills Rec Center Athletic Fields (St. Paul)
#24-38	3M Building 209 Demolition (Maplewood)
#25-02	County Rd D- Greenbrier St to County Rd D Cir (Little Canada/Maplewood/Vadnais Heights)
#25-23	Manitou Ridge Golf Course Improvements (White Bear Lake)

Project Updates:

A series of large and intense rain events at the beginning of July prompted more frequent inspections from permit staff to ensure sites were prepared and to verify maintenance was being completed post-rainfall as needed. Below are a couple case studies to depict this in action.

#26-01 Rice St Sidewalk- Demont to CR C

Staff conducted a post-rain event inspection on July 8th at the sidewalk project along Rice Street in Little Canada. Initially it seemed that most of the site had held up well with recent rain events, however staff soon discovered a silt fence failure adjacent to the wetland that allowed sediment to enter the surface water. It seemed that the source of the failure was due to removed curb and gutter upgradient, so runoff sheeted off Rice Street, hit the exposed soil, and moved it down the slope. The contractors took immediate action by reporting the discharge to the MN Duty Officer, shoveling the sediment off the cattails where accumulated, repairing the silt fence, and installing upgradient BMPs to help slow and filter the water coming off the road. The contractors also confirmed the curb would be repoured shortly with a new catch basin so that it shouldn't be a reoccurring issue. Staff appreciated the quick action of the site's project team and have not seen the issue reoccur this month.



July 8th, 2026



July 9th, 2026



#24-18 The Heights- Habitat for Humanity Blocks 3 & 4

Staff conducted an inspection on July 7th following a large rain event over the 4th of July weekend. Unfortunately much of the site's perimeter control BMPs had been overwhelmed/buried with sediment, and that sediment spilled onto neighboring sidewalks. Staff determined the site was non-compliant due to offsite impacts, as well as failure to remedy all non-functional BMPs within permitted timeframes post-rainfall. Site contractors confirmed that repairs were underway immediately and were trying to prioritize repair work in vulnerable areas first. The site made improvements to the site by recovering sediment beyond perimeter control, reinstalling biologs where shifted, and blanketing exposed soil slopes to prevent erosion. These improvements will hopefully prevent the severity of erosion in future rain events until vegetation establishes.



Stewardship Grant Program

Stewardship Grant Application Summary

Project Name: Berget-Trevis

Application Number: 26-27 CS

Board Meeting Date: 7/1/2026

Applicant Name: Maggie Berget & Brad Trevis

Residential ☒

Commercial/Government ☐

Project Overview:

This application was previously reviewed at the July 1, 2026 Board meeting. The Board tabled the application pending additional information. See the attached memo.

The project is located off Grand Avenue in the City of Shoreview. The applicant is proposing to install a native planting and a porous paver patio.

The native planting and porous pavers are eligible for 50% coverage up to a total of \$15,000.

BMP type(s):

Native Habitat Restoration(1), Porous Pavers(1)

Grant Request:

\$12,400.00

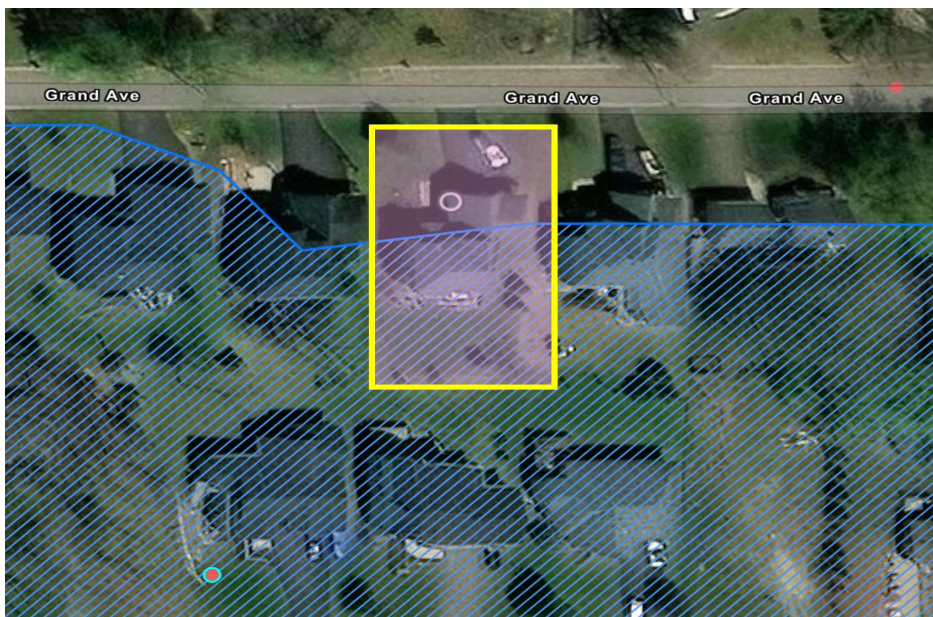
Recommendation:

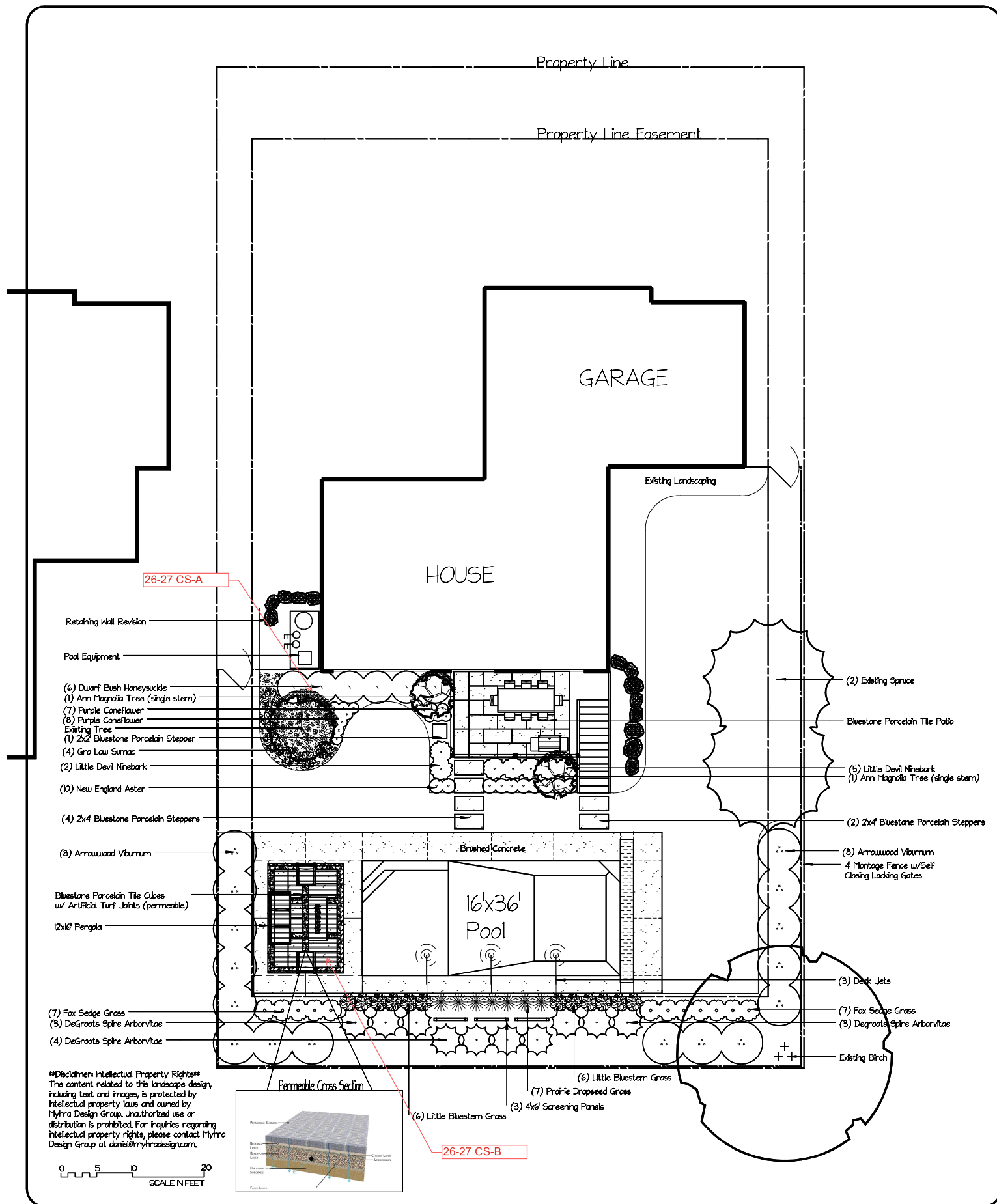
Staff recommends approval of this application.

Subwatershed:

Lake Owasso

Location Maps:







Date: August 5th, 2026

To: Board of Managers and Staff

From: Ashlee Ricci, Grant Program Specialist

Subject: Stewardship Grant Application 26-27 CS Berget-Trevis

This application was brought to the Board at the July 1, 2026 Board meeting. The Board approved the native habitat restoration for 50% coverage but tabled the application for the porous pavers until the August 5th Board meeting to receive additional information before making a decision.

The proposed project was reviewed by Ramsey County Soil and Water Conservation Division (RCSWCD) prior to the residents submitting an application. The residents and their contracted designer worked with the RCSWCD landscape designer to increase native plants in the design and to ensure the porous pavers were capturing water.

The porous pavers will capture mostly hard surface runoff from the adjacent patio/sidewalk and some lawn runoff. The porous pavers will capture 94% of the runoff received and remove 95% of the total suspended solids and total phosphorus received.

Of the total proposed project cost, \$24,493 is related to grant eligible items. The native habitat restoration represents 62% of that cost and the porous pavers represent 38%. Native habitat restorations are eligible for 50% cost-share, which equates to \$7,600 (rounded). The porous pavers are eligible for up to 75% cost-share. Due to the location of the porous pavers, staff recommended 50% cost-share because the existing condition is lawn and the proposed project will receive runoff from the proposed adjacent hard surface, rather than a roof, driveway, or roadway. This equates to \$4,700 (rounded).

The project review and staff recommendation is consistent with past program implementation and Board approvals.

Staff recommend approval for 50% cost-share up to a total of \$12,4000.

Stewardship Grant Program Budget Status Update

August 5, 2026

		Last Month	This Month	Last Month	This Month
Homeowner	Coverage	Number of Projects: 15	Number of Projects: 20	Funds Allocated	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	12	16	\$59,900	\$65,450**
Rain garden w/hard surface drainage	75% Cost Share \$15,000 Max	3	4	\$19,775	\$26,275*
Shoreland Restoration	100% Cost Share \$15,000 Max	0	0	\$0	\$0

		Last Month	This Month	Last Month	This Month
Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects: 15	Number of Projects: 16	Funds Allocated	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	2	2	\$60,000	\$60,000
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	0	0	\$0	\$0
Priority Area Projects (Water Quality)	100% Cost Share \$100,000 Max	2	2	\$121,100	\$121,100
Non-Priority Area Projects (Water Quality)	75% Cost Share \$50,000 Max	0	0	\$0	\$0
Priority Chloride Projects (Impaired, at-risk) (\$150,000 reserved – all chloride)	100% Cost Share \$100,000 Max	0	0	\$0	\$0
Non-Priority Chloride Projects (Not impaired or at-risk)	75% Cost Share \$50,000 Max	0	0	\$0	\$0
Community Partner (\$100,000 reserved)	50-100% Cost Share \$25,000 Max	4	5	\$76,050	\$84,550*
Public Art	50% Cost Share \$15,000 Max	2	2	\$19,800	\$19,800
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	0	0	\$0	\$0
Enhanced Street Sweeping (\$350,000 Reserved)	Varies Cost Share \$100,000 Max	5	5	\$327,000	\$327,000

Maintenance	50% Cost Share \$7,500 Max for 5 Years	87	89	\$82,505	\$84,505
Consultant Fees				\$16,061	\$46,290
Total Allocated				\$782,191	\$832,970

*includes funds to be approved at current board meeting

** includes staff approvals since previous board meeting

2026 Stewardship Grant Program Budget		
	Last Month	This Month
Budget	\$1,500,000	\$1,500,000
Total Funds Allocated	\$782,191	\$832,970
Total Available Funds	\$717,809	\$667,030

* * * * *

Action Items

* * * * *

Request for Board Action

Board Meeting Date: August 5, 2026

Agenda Item No: 7A

Preparer: Tina Carstens, Administrator

Item Description: RMWWD Office Exterior Improvements – Reject Bids and Rebid

Background:

At the June 3, 2026, RMWWD Board of Managers meeting, staff were authorized to solicit bids for the office site exterior improvements. Attached is a memo that outlines the bidding results and next steps.

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: Maintain District projects and consider opportunities to support the maintenance activities of others.

Staff Recommendation:

Staff recommends the board reject the bids received based on Minnesota Statute 103D.811 and authorize staff to rebid the project.

Financial Implications:

This project is budgeted in the 2026 CIP Maintenance and Repair fund.

Board Action Requested:

Reject the two bids received for the RWMWD Office Site Exterior Improvements based on Minnesota Statute 103D.811 and authorize staff to readvertise the project for bid.

Memorandum

To: RWMWD Board of Managers
From: Marcy Bean, Gareth Becker, and Erin Anderson Wenz
Subject: RWMWD Office Exterior Improvements – Recommendation to Reject Bids and Rebid
Date: July 29, 2026
Project: 23621567
c: Paige Ahlborg (RWMWD), Tina Carstens (RWMWD)

Overview

The Ramsey-Washington Metro Watershed District office was constructed in 2005, including a porous bituminous pavement parking lot. In 2014, the parking lot was expanded to its current footprint, which included a small area of permeable concrete unit pavers. In the twenty years since construction, the porous bituminous pavement has aged and become less effective for stormwater management despite routine maintenance and several rehabilitation projects. Some surface material has eroded, and in winter, the material has become slow to infiltrate, resulting in areas of ice buildup. When it was decided that parking lot replacement was needed, RWMWD staff expressed interest in replacing the parking lot with alternative material to serve as a demonstration on alternative hard surfaces that can also serve as a water quality BMP.

The permeable unit paver system used in the 2014 expansion, PaveDrain, has held up well, and the manufacturer has since developed improvements to the system, including the potential to heat the surface. Heated pavement projects have been brought to the District for consideration of grant funding, as heated pavements help reduce salt application. District staff is interested in using the parking lot as a pilot project to inform heated pavement system costs, operations, and chloride application reduction. The design of the project is intended to improve safety for staff and guests, reduce sidewalk shoveling, and improve winter access to the building for more frequent, smaller winter events.

Since the completion of the project's 30% design in September 2025, Barr has developed concept iterations to incorporate additional site improvements at the request of RWMWD staff in response to a site accessibility audit. Staff also requested a solution for parking storage for the District's monitoring boat. Construction of these improvements will allow additional site modifications to align with accessibility goals, improve storage options for staff, and continue the demonstration aspect of the site design.

The RWMWD Board of Managers authorized bidding for Office Exterior Improvements at their June 3, 2026 Board meeting. Following the Board's authorization, the project was bid for three weeks between June 30 and July 21 through public bidding on QuestCDN. Bids were opened July 21, 2026 at 10:00 am at a virtual bid opening. Two (2) bids were received and are listed in Table 1.

Table 1. Summary of Bids Received for Office Exterior Improvements

Bidder	Total Base Bid Entered on the Bid Form
Urban Companies	\$ 914,084.36
Pember Companies, Inc	\$ 971,014.55
Engineer's Opinion of Probable Cost at 90% design was \$488,000. The estimated accuracy range for the Engineer's Opinion of Probable Cost for the project ranges from -5% (\$464,000) to +10% (\$537,000). The opinion of cost is intended to provide assistance in evaluating and comparing the project bids and should not be assumed as an absolute rule. The Association for the Advancement of Cost Engineering (AACE) Class 1 opinion of cost was used to define the estimated accuracy range based on the level of project definition.	

Review:

Based on consultation with Galowitz-Olson and review of Minnesota Statute 103D.811, bids exceeding 30% of the total estimated construction cost “must not be considered.” Because both bids exceed that threshold, they are ineligible under the statute and should be rejected.

Upon closer review of the bids, the bid items associated with utility services, paver installation, and the snow and ice melt system were significantly higher than the engineer’s opinion of cost for those items. Barr requested feedback from the two bidders, plan holders that did not bid, and subcontractors directly associated with the items listed above, to gather additional information regarding their pricing. Much of the feedback was specific to late-season bidding coupled with limited contractor and subcontractor availability, which limited interest and drove prices higher. Specifically, mechanical and electrical subcontractors commonly used by the bidders and plan holders stated they were booked through the remainder of the season, making it difficult for some contractors to include subcontractor pricing in their bids.

Also, bidders and plan holders stated that the required construction schedule, with substantial completion within 60 days of the start and final completion by November 15, 2026, created concerns. Based on bidder and plan holder feedback, this schedule was too risky for them given the possibility of an early start to winter.

Finally, bidders noted that the bidding documents provided limited detail for the snow and ice melt system. As a result, the two bidders assumed they would need to complete additional design work, creating uncertainty and contributing to higher pricing. Although Barr had completed the detailed design for these elements, that information was intentionally omitted from the plans and specifications to give bidders flexibility and encourage more cost-effective approaches and product selections to meet the design intent. Instead, the lack of detail had the opposite effect and increased pricing for those items.

To: RWMWD Board of Managers
From: Marcy Bean, Gareth Becker, and Erin Anderson Wenz
Subject: RWMWD Office Exterior Improvements – Recommendation to Reject Bids and Rebid
Date: July 29, 2026
Page: 3

Barr suggests revising the bidding documents to incorporate the details for the snow and ice melt system while allowing for “value-engineering” after the award and revising the construction deadline to September 30, 2027. However, we suggest the construction window remains for 60 days in duration to ensure an efficient construction time. This allows flexibility in start times while not drawing the work out excessively. The added time addresses contractor and subcontractor availability concerns raised during the initial bidding, and the added detail with the ability to “value-engineer” the system after the award addresses the uncertainty that was driving up prices for those items as well. Given this approach, we believe the current estimate of probable construction cost is still reasonable.

If approved, Barr will make the necessary revisions, re-advertise the amended project for bid, and bring bids back to the Board at their September or October board meeting.

Request for Board Action

Board Meeting Date: August 5, 2026

Agenda Item No: 7B

Preparer: Tina Carstens, Administrator

Item Description: Fish Creek Tributary Stream Restoration Project Authorization to Finalize Design and Prepare the Bidding Documents and Advertise for Bids.

Background:

Attached are a memo describing the Fish Creek Tributary Stream Restoration project and the plan sheets. The engineer's opinion of probable cost is estimated to be \$990,000.

If the board deems it appropriate, they should consider a motion that "approves the preliminary design, estimate of probable costs, and expected schedule, and directs the staff to prepare the bidding documents and advertise the project for bid". Staff will present bids at the September meeting, with substantial completion expected this year and restoration work expected in the spring of 2027.

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 Items: 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 that the Board approve the preliminary design, estimated costs, and proposed project schedule, and direct staff to finalize the design and bidding documents and advertise the project for bid.

Financial Implications:

This project was planned for in the 2026 budget, and \$1,080,182 in grant funds have been awarded to cover the construction cost of this project.

Board Action Requested:

Approve the preliminary design, estimated costs, and proposed project schedule, and direct staff to finalize the design and bidding documents and advertise the project for bid.

Technical Memorandum

To: RWMWD Board of Managers
From: Tyler Olsen, Andrea Wedul, and Brad Lindaman – Barr Engineering Co. (Barr)
Subject: Fish Creek Tributary Stream Restoration – Request to Bid Project
Date: July 28, 2026
Project: 23621470.00
c: Paige Ahlborg (RWMWD), Tina Carstens (RWMWD)

1 Introduction

This memorandum summarizes the 100%-level design for the Fish Creek Tributary Stream Restoration Project located in Maplewood, Minnesota. The project includes restoration of an eroding tributary stream that conveys runoff to Fish Creek from an approximately 285-acre watershed. The tributary has experienced significant channel erosion, including head cutting, bank slumping, and channel incision, which contribute sediment and phosphorus loading to Fish Creek and downstream receiving waters. The project was identified and prioritized through RWMWD's Fish Creek subwatershed feasibility work and subsequent erosion inventory as a high-benefit opportunity to reduce pollutant loading, stabilize the channel, and improve aquatic and riparian habitat.

2 100% Design Description and Submittals to Board

Construction documents including bidding documents, technical specifications, and construction drawings have been prepared for this project. The design includes reconfiguring the channel geometry, stabilizing actively eroding banks and head cuts, constructing rock riffle and pool structures, installing natural hydraulic controls such as boulder vanes, and reconnecting higher flows to a restored floodplain bench. The design approach is intended to reduce channel velocities, improve sediment transport and deposition within the restored corridor, and limit continued delivery of sediment and associated nutrients to Fish Creek.

Barr and RWMWD staff have coordinated with the affected landowners and the City of Maplewood during development of the project. The stream corridor crosses private property, and RWMWD has been working with property owners to obtain the permanent easements needed to construct and maintain the improvements. The project has also been reviewed for permitting needs, including City of Maplewood and RWMWD permits. Comments and coordination items received to date have been incorporated into the construction documents.

3 Water Quality and Ecological Benefits

The primary pollutants addressed by the project are total suspended solids and total phosphorus. Using the Board of Water and Soil Resources pollutant calculator, the project is estimated to reduce sediment loading to Fish Creek by approximately 28,900 pounds per year and total phosphorus loading by approximately 14.5 pounds per year. These reductions will help protect Fish Creek, which is considered at risk for nutrient impairment and is listed for aquatic-life related impairments, while also reducing pollutant delivery to the Mississippi River and Lake Pepin downstream.

The project will stabilize approximately 1,300 lineal feet of tributary stream. In addition to reducing pollutant loads, the restored channel will reduce the potential for fine sediment to deposit over fish and macroinvertebrate habitat in Fish Creek. The proposed riffle, pool, and floodplain-bench improvements will also increase habitat complexity within the tributary corridor and improve the function of the channel during higher-flow events by allowing larger flows to access the restored floodplain rather than remaining confined within an incised channel.

4 Engineer's Opinion of Probable Cost

The engineer's opinion of probable cost is shown in Table 1. The opinion of probable cost provided is made on the basis of 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.

The table also includes an annualized cost per pound of total phosphorus load reduction to summarize the project's relative water quality cost-benefit. This value was calculated using a 30-year project lifespan, a 4% interest rate, and annual operations and maintenance costs equal to 1% of the capital construction cost. To put the annualized cost per pound of TP load reduction in perspective, 60% of RWMWD's capital and targeted retrofit projects were less than \$6,500 per pound of TP removed per year and 80% of projects were less than \$11,000 per pound of TP removed per year, in 2025 dollars. Based on the annualized cost shown in Table 1, the Fish Creek Tributary Stream Restoration Project falls within the more cost-effective range of RWMWD's historical water quality projects while also providing sediment and nutrient reduction and stream habitat benefits.

Table 1: Engineer's Opinion of Probable Cost

Item		Cost
Engineer's Opinion of Probable Construction Cost		\$990,000
Estimated Accuracy Range	Low (-5%)	\$941,000
	High (+10%)	\$1,089,000
Average Annual TP Load Reduction (lbs/yr)		14.5
Annualized Cost Per Pound of TP Load Reduction		\$4,533

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 95% designs, alignments, 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 +20%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. Operation and Maintenance costs are not included.
- 4 Estimate assumes that projects will not be located on contaminated soil.
- 5 The estimated costs do not include maintenance, monitoring or additional tasks following construction.

Project Grants

The project has received two grants to cover construction costs for the project, including the following:

- Watershed-Based Implementation Funding (WBIF): \$230,182
- 3M PFAS Priority 2 Grant: \$850,000
- **Total: \$1,080,182**

The Watershed-Based Implementation Funding is available now and must be spent by December 2027. Barr and RWMWD staff are working with the Minnesota DNR to execute the grant agreement for the 3M grant as soon as possible to begin construction this fall (2026).

5 Board Request

It is requested that the RWMWD Board of Managers approve the 100% design, specifications, estimate of costs, and proposed schedule (Section 6) and direct Barr to finalize the design, prepare the bidding documents, and advertise the project for bids from contractors to construct the Fish Creek Tributary Stream Restoration Project.

6 Schedule

Pending Board approval, the project documents will be finalized and posted for bid following the August 2026 Board meeting. Bid opening is anticipated approximately three weeks after posting of the documents. If a responsible low bidder is identified, Barr will return to the Board with a recommendation for award. Construction is anticipated to begin following approval of the low bidder (pending grant execution), with substantial completion expected this fall, and restoration expected in spring 2027.

Attachments

- Issued for Approval Drawings for the Fish Creek Tributary Stream Restoration Project
- Table of Contents for the Project Specifications

FISH CREEK TRIBUTARY RESTORATION

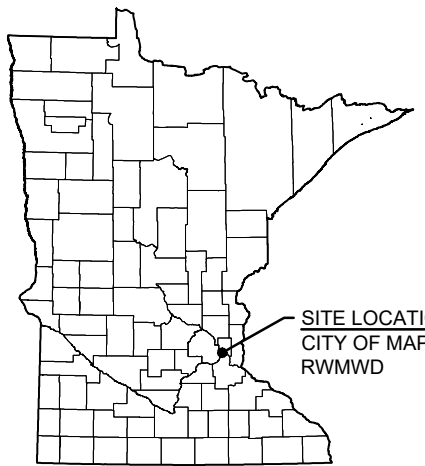
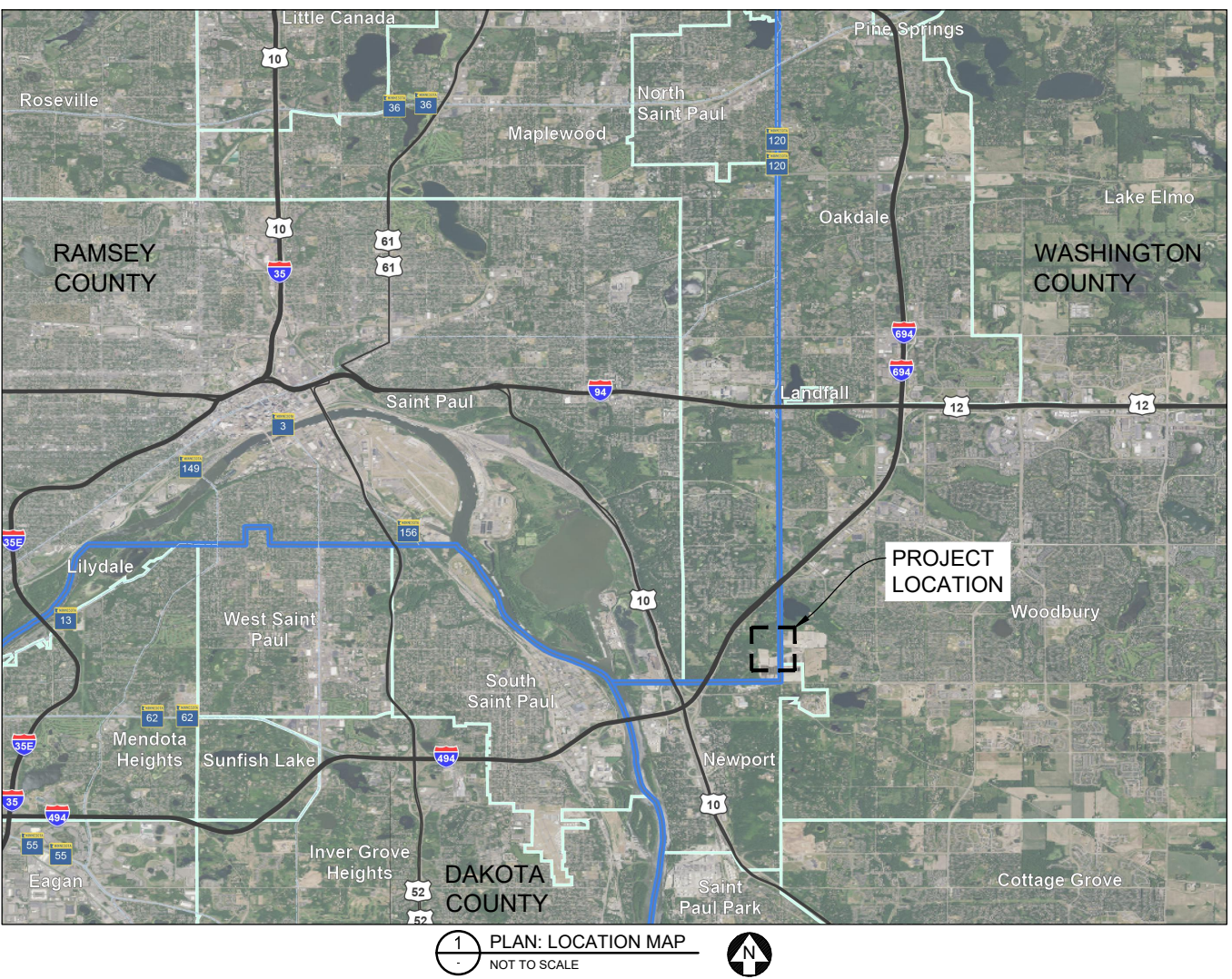
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT

MAPLEWOOD, MINNESOTA

SHEET INDEX

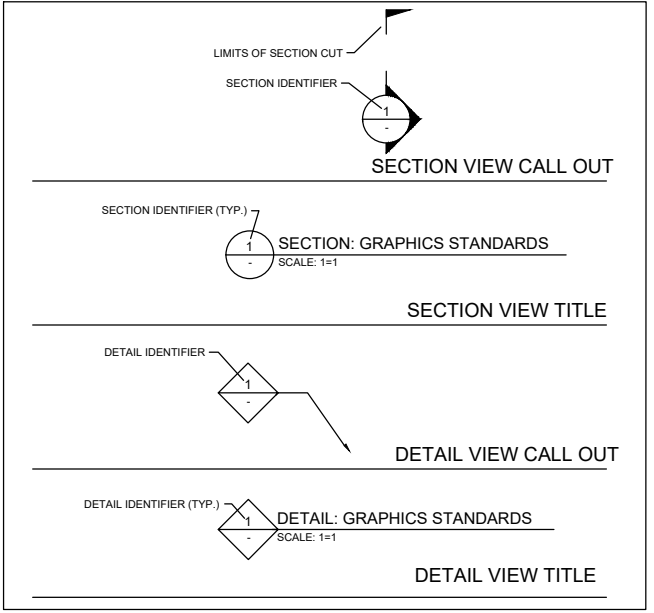
[BOLD TEXT INDICATES SHEET INCLUDED IN SUBMITTAL]

- G-01 COVER, SHEET INDEX, AND LOCATION MAP
- G-02 SWPPP, 1 OF 2
- G-03 SWPPP, 2 OF 2
- C-01 SITE ACCESS, EROSION CONTROL, AND REMOVALS PLAN - NORTH
- C-02 SITE ACCESS, EROSION CONTROL, AND REMOVALS PLAN - SOUTH
- C-03 OVERALL SITE PLAN
- C-04 PLAN AND PROFILE - STA. 0+00 - 3+46
- C-05 PLAN AND PROFILE - STA. 3+46 - 9+00
- C-06 PLAN AND PROFILE - STA. 9+00 - 13+63
- C-07 TYPICAL SECTIONS AND STRUCTURES TABLES
- C-08 CHANNEL CROSS SECTIONS
- D-01 EROSION CONTROL DETAILS
- D-02 STREAM STRUCTURES DETAILS
- D-03 STREAM STRUCTURES DETAILS
- L-01 OVERALL RESTORATION PLAN
- L-02 RESTORATION PLAN STA. 0+00 - 3+44
- L-03 RESTORATION PLAN STA. 3+44 - 9+05
- L-04 RESTORATION PLAN STA. 9+05 - 13+63
- L-05 SEEDING SCHEDULES



MINNESOTA COUNTY MAP

SYMBOL LEGEND



PROJECT CONTACTS

ENGINEER CONTACT:
TYLER OLSEN
BARR ENGINEERING CO.
4300 MARKETPOINTE DR.
BLOOMINGTON, MN 55435
OFFICE: 952.832.2930
EMAIL: TOLSEN@BARR.COM

OWNER'S REPRESENTATIVE CONTACT:
DAVE VLASIN
OFFICE: 651.792.7972
EMAIL: DAVID.VLASIN@RWMWD.ORG

DRAFT
ISSUED FOR BID
(NOT FOR CONSTRUCTION)



GOPHER STATE ONE CALL:
CALL BEFORE YOU DIG.
1-800-252-1166

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-	-	-	-	-	-
A	EMB	AMW	TAC2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION



BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435

PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 1010411545



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN COVER, SHEET INDEX, AND LOCATION MAP
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BARR PROJECT # 2362147000
DWG # G-01
REV # A

ORIGINAL DRAWING SIZE: ANSI FULL BLEED B (17.00 X 11.00 INCHES) PLOT SCALE: 1/2" PLOT DATE: 7/27/2026 10:13 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\236214700\02026214701_00_G42-G-03_SWPPP.DWG

1.0 GENERAL CONSTRUCTION ACTIVITY INFORMATION:
THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN PREPARED IN COMPLIANCE WITH THE MINNESOTA GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY NO. MNR100001 (GENERAL PERMIT), AS REQUIRED BY THE MINNESOTA POLLUTION CONTROL AGENCY (MPCA) UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) PROGRAM.
THE PROJECT IS LOCATED IN THE CITY OF MAPLEWOOD, RAMSEY COUNTY, MINNESOTA. PROPOSED CONSTRUCTION ACTIVITIES WILL TAKE PLACE EAST OF STERLING ST S AND SOUTH OF CARVER AVE. THE APPROXIMATE CENTROID OF THE PROJECT HAS A LATITUDE OF 44°53'56.1"N AND A LONGITUDE OF 92°59'11.9"W.
THIS PROJECT INVOLVES [DESCRIPTION OF CONSTRUCTION ACTIVITIES AND PHASING]. THE PROJECT AS PROPOSED HAS A TOTAL DISTURBANCE AREA OF [#] ACRES. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE REQUIRED TO MINIMIZE SEDIMENT FROM BEING TRANSPORTED INTO FISH CREEK, WHICH IS AN IMPAIRED STREAM. REFER TO PROJECT DRAWINGS FOR FURTHER DETAILS. (CSW PERMIT ITEM 5.3)

- 1.1 PROJECT SIZE AND CUMULATIVE IMPERVIOUS SURFACE:** (CSW PERMIT ITEM 5.8)
- THE ANTICIPATED AREA OF DISTURBANCE IS APPROXIMATELY 1.85 ACRES.
 - THE TOTAL AREA OF PRE-CONSTRUCTION IMPERVIOUS AREA IS APPROXIMATELY 0 ACRES.
 - THE TOTAL AREA OF POST-CONSTRUCTION IMPERVIOUS AREA IS APPROXIMATELY 0 ACRES.
 - THE TOTAL NEW IMPERVIOUS AREA IS APPROXIMATELY 0 ACRES.

- 1.2 DATES OF CONSTRUCTION:**
- ANTICIPATED START DATE: TBD
 - ANTICIPATED END DATE: TBD

1.3 CONTACT INFORMATION: (CSW PERMIT ITEM 3.5 AND 5.23)

OWNER: RAMSEY-WASHINGTON METRO WATERSHED DISTRICT	
MAILING ADDRESS: 2665 NOEL DRIVE LITTLE CANADA, MN 55117	
CONTACT PERSON: [INSERT NAME]	TITLE: [INSERT TITLE]
PHONE NUMBER: [INSERT NUMBER]	EMAIL ADDRESS: [INSERT ADDRESS]
ALTERNATE CONTACT PERSON: [INSERT NAME]	TITLE: [INSERT TITLE]
PHONE NUMBER: [INSERT NUMBER]	EMAIL ADDRESS: [INSERT ADDRESS]
OWNER/GENERAL CONTRACTOR (WHO WILL OVERSEE IMPLEMENTATION OF THE SWPPP): TBD	
MAILING ADDRESS: TBD	
CONTACT PERSON: TBD	TITLE: TBD
PHONE NUMBER: TBD	EMAIL ADDRESS: [INSERT ADDRESS]
PARTY RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PERMANENT STORMWATER TREATMENT SYSTEM: RAMSEY-WASHINGTON METRO WATERSHED DISTRICT	
MAILING ADDRESS: 2665 NOEL DRIVE LITTLE CANADA, MN 55117	
CONTACT PERSON: [INSERT NAME]	TITLE: [INSERT TITLE]
PHONE NUMBER: [INSERT NUMBER]	EMAIL ADDRESS: [INSERT ADDRESS]

2.0 RECEIVING WATERS:
LIST ALL WATERS WITHIN ONE MILE (NEAREST STRAIGHT LINE DISTANCE) THAT ARE LIKELY TO RECEIVE STORMWATER RUNOFF FROM THE PROJECT SITE BOTH DURING OR AFTER CONSTRUCTION. (CSW PERMIT ITEM 5.10)

NAME OF WATER BODY	TYPE ⁽¹⁾	WATER BODY ID ⁽²⁾	SPECIAL WATER? ⁽³⁾	IMPAIRED WATER? ⁽³⁾⁽⁴⁾	DNR PUBLIC WATER WITH WORK IN WATER RESTRICTIONS?
FISH CREEK	STREAM	07010206-606	NO	YES	YES

- (1) TYPE EXAMPLES: DITCH, POND, WETLAND, CALCAREOUS FEN, LAKE, STREAM, RIVER
(2) WATER BODY IDENTIFICATION (ID) MIGHT NOT BE AVAILABLE FOR ALL WATER BODIES. USE THE SPECIAL AND IMPAIRED WATERS SEARCH TOOL AT: [HTTPS://WWW.PCA.STATE.MN.US/WATER/STORMWATER-SPECIAL-AND-IMPAIRED-WATERS-SEARCH](https://www.pca.state.mn.us/water/stormwater-special-and-impaired-waters-search)
(3) REFER TO CSW PERMIT SECTION 23.
(4) IMPAIRED WATER FOR THE FOLLOWING POLLUTANT(S) OR STRESSOR(S): PHOSPHORUS (NUTRIENT EUTROPHICATION BIOLOGICAL INDICATORS), TURBIDITY, TOTAL SUSPENDED SOLIDS (TSS), DISSOLVED OXYGEN, OR AQUATIC BIOTA (FISH BIOASSESSMENT, AQUATIC PLANT BIOASSESSMENT, AND AQUATIC MACROINVERTEBRATE BIOASSESSMENT)

2.1 SPECIAL AND IMPAIRED WATERS: THE MPCA'S SPECIAL AND IMPAIRED WATERS SEARCH TOOL WAS USED TO LOCATE SPECIAL AND IMPAIRED WATERS WITHIN ONE MILE (AERIAL RADIUS MEASUREMENT) OF THE PROJECT SITE. FISH CREEK HAS AN EPA-APPROVED IMPAIRMENT FOR BENTHIC MACROINVERTEBRATES BIOASSESSMENTS, ESCHERICHIA COLI (E. COLI), AND TOTAL SUSPENDED SOLIDS (TSS). THESE IMPAIRMENTS ARE CONSIDERED CONSTRUCTION RELATED AND DO REQUIRE ADDITIONAL BEST MANAGEMENT PRACTICES (BMPS) OR PLAN REVIEW FOR COMPLIANCE WITH THE GENERAL PERMIT. (CSW PERMIT ITEM 2.7 AND SECTION 23)

2.2 PUBLIC WATERS WITH WORK IN WATER RESTRICTIONS: FISH CREEK IS IDENTIFIED BY THE DNR AS A PUBLIC WATER. WORK IS RESTRICTED FOR STREAM IN CENTRAL MINNESOTA BETWEEN MARCH 1 AND JUNE 15. DURING THE RESPECTIVE RESTRICTION PERIODS, ALL EXPOSED SOILS WITHIN 200 FEET OF THE WATER'S EDGE WILL HAVE EROSION PREVENTION STABILIZATION ACTIVITIES INITIATED IMMEDIATELY AFTER CONSTRUCTION ACTIVITY HAS CEASED (AND COMPLETED WITHIN 24 HOURS). (CSW PERMIT ITEM 5.11)

2.3 WETLAND IMPACTS: IF CONSTRUCTION WILL RESULT IN ANY POTENTIAL ADVERSE IMPACTS TO WETLANDS, INCLUDING EXCAVATION, DEGRADATION OF WATER QUALITY, DRAINING, FILLING, PERMANENT INUNDATION OR FLOODING, OR CONVERSION TO A STORMWATER POND, DESCRIBE IMPACTS AND MITIGATION MEASURES THAT WERE TAKEN TO ADDRESS THE IMPACTS AND ATTACH COPIES OF PERMITS OR APPROVALS FROM AN OFFICIAL STATE WIDE WETLAND PROGRAM ISSUED SPECIFICALLY FOR THIS PROJECT. THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEMS 2.4 AND 2.10, AND SECTION 22)

2.4 ENVIRONMENTAL REVIEW AND OTHER REQUIRED REVIEWS: DESCRIBE ANY STORMWATER MITIGATION MEASURES THAT WILL BE IMPLEMENTED, AS A RESULT OF AN ENVIRONMENTAL REVIEW, ENDANGERED OR THREATENED SPECIES REVIEW OR ARCHEOLOGICAL SITE REVIEW. THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEMS 2.8, 2.9, AND 5.16)

2.5 KARST AREAS OR DRINKING WATER SUPPLY MANAGEMENT AREAS: DESCRIBE ANY ADDITIONAL STORMWATER MANAGEMENT MEASURES REQUIRED FOR KARST OR DRINKING WATER SUPPLY MANAGEMENT AREAS TO PROTECT GROUNDWATER STANDARDS. THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEMS 16.19, 16.20, AND 18.10)

2.6 GROUNDWATER OR SOIL CONTAMINATION: DESCRIBE ANY SITE ASSESSMENTS FOR GROUNDWATER OR SOIL CONTAMINATION. THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEMS 15.25 AND 16.15)

3.0 PROJECT PLANS AND SPECIFICATIONS:
THE FOLLOWING MUST BE SHOWN ON A SITE MAP OR DRAWING: (CSW PERMIT ITEMS 5.5, 5.9 THROUGH 5.12, AND 5.18)

REQUIRED FEATURE	SHEET NUMBER
PROJECT LOCATION AND CONSTRUCTION LIMITS	G-01, C-03
EXISTING AND FINAL GRADES, INCLUDING DRAINAGE AREA BOUNDARIES, DIRECTIONS OF FLOW, AND ALL DISCHARGE POINTS WHERE STORMWATER IS LEAVING THE SITE OR ENTERING A SURFACE WATER	C-01, C-03
SOIL TYPES AT THE SITE	G-03
LOCATIONS OF IMPERVIOUS SURFACES	N/A
LOCATIONS OF AREAS NOT TO BE DISTURBED (E.G., BUFFER ZONES, WETLANDS, ETC.)	C-03
LOCATIONS OF STEEP SLOPES	C-03
LOCATIONS OF AREAS WHERE CONSTRUCTION WILL BE PHASED TO MINIMIZE DURATION OF EXPOSED SOILS	N/A
PORTIONS OF THE SITE THAT DRAIN TO A PUBLIC WATER WITH DNR WORK IN WATER RESTRICTIONS FOR FISH SPAWNING TIMEFRAMES	C-01
LOCATIONS OF ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL BMPS AS REQUIRED IN CSW PERMIT SECTIONS 8 THROUGH 10 AND 14 THROUGH 19	C-01, C-02
BUFFER ZONES AS REQUIRED IN CSW PERMIT ITEMS 9.17 AND 23.11	C-01
LOCATIONS OF POTENTIAL POLLUTION-GENERATING ACTIVITIES IDENTIFIED IN CSW PERMIT SECTION 12	N/A
STANDARD DETAILS FOR EROSION AND SEDIMENT CONTROL BMPS TO BE INSTALLED AT THE SITE	D-01

4.0 BEST MANAGEMENT PRACTICES (BMPS):

- 4.1 EROSION PREVENTION PRACTICES:** SILT FENCE, FLOATING SILT CURTAIN, EROSION CONTROL BLANKET, (CSW PERMIT ITEMS 5.3 THROUGH 5.5 AND SECTIONS 7 AND 8)
1. **TEMPORARY STABILIZATION OF SOILS AND SOIL STOCKPILES:** AREAS OF EXPOSED SOIL WILL BE STABILIZED WITH EROSION CONTROL BLANKET. (CSW PERMIT ITEMS 8.4, 8.5, AND 23.9)
 - a. SOIL STOCKPILES WILL BE STABILIZED WITH MULCH (SUCH AS STRAW MULCH, SLASH MULCH, WOOD CHIP, OR OTHER APPROPRIATE MULCH) IF SLOPES ≤3H:1V, COVER MATERIAL (SUCH AS TARPS OR PLASTIC SHEETING), EQUIVALENT MEASURES, OR DELETE IF NO SOIL STOCKPILES.
 - b. TEMPORARY STOCKPILES WITHOUT SIGNIFICANT SILT, CLAY, OR ORGANIC COMPONENTS (E.G., CLEAN AGGREGATE STOCKPILES, DEMOLITION CONCRETE STOCKPILES, SAND STOCKPILES) AND THE CONSTRUCTED BASE COMPONENTS OF ROADS, PARKING LOTS, AND SIMILAR SURFACES ARE EXEMPT FROM THESE STABILIZATION REQUIREMENTS.
 2. **PIPE OUTLET ENERGY DISSIPATION:** THE FOLLOWING METHODS WILL BE USED FOR ENERGY DISSIPATION AT PIPE OUTLETS: RIP RAP, SPLASH PADS, GABIONS, OR EQUIVALENT MEASURES. (CSW PERMIT ITEM 8.9)
 3. **EROSION PREVENTION IMPLEMENTATION TIMELINES:** WHERE REQUIRED, STABILIZATION OF EXPOSED SOIL AREAS (INCLUDING STOCKPILES) MUST BE INITIATED IMMEDIATELY TO LIMIT SOIL EROSION WHENEVER ANY CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 7 CALENDAR DAYS. (CSW PERMIT ITEMS 5.4, 8.4 THROUGH 8.6, AND 23.9) THE FOLLOWING ACTIVITIES CAN BE TAKEN TO INITIATE STABILIZATION:
 - a. PREPPING THE SOIL FOR VEGETATIVE OR NON-VEGETATIVE STABILIZATION
 - b. APPLYING MULCH OR OTHER NON-VEGETATIVE PRODUCT TO THE EXPOSED SOIL AREA
 - c. SEEDING OR PLANTING THE EXPOSED AREA
 - d. FINALIZING ARRANGEMENTS TO HAVE STABILIZATION PRODUCT FULLY INSTALLED BEFORE LAND DISTURBING ACTIVITIES BEGIN, THE LIMITS OF THE AREAS TO BE DISTURBED DURING CONSTRUCTION WILL BE DELINEATED (E.G., WITH FLAGS, STAKES, SIGNS, SILT FENCE, ETC.).
 - f. FOR ALL EXPOSED SOIL AREAS THAT ARE WITHIN 200 FEET OF THE WATER'S EDGE AND DRAIN TO FISH CREEK (PUBLIC WATER FOR WHICH THE DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPAWNING TIME FRAMES), STABILIZATION ACTIVITIES WILL BE COMPLETED WITHIN 24 HOURS DURING THE RESTRICTION PERIOD MARCH 1 AND JUNE 15.
 - g. FOR ALL EXPOSED SOIL AREAS THAT DRAIN TO A DISCHARGE POINT THAT IS WITHIN ONE MILE (AERIAL RADIUS MEASUREMENT) OF FISH CREEK AND FLOWS TO FISH CREEK, STABILIZATION ACTIVITIES WILL BE INITIATED IMMEDIATELY AND COMPLETED WITHIN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.
 4. **ADDITIONAL EROSION PREVENTION MEASURES:** THE FOLLOWING ADDITIONAL EROSION PREVENTION METHODS WILL BE IMPLEMENTED AT THE SITE DURING CONSTRUCTION: [ADD OR DELETE AS APPLICABLE] (CSW PERMIT ITEMS 7.3, 8.2, AND 8.3)
 - a. CONSTRUCTION PHASING WILL BE UTILIZED TO MINIMIZE THE AREA OF SOIL EXPOSED AT ANY ONE TIME.
 - b. SOIL DISTURBANCE WILL BE MINIMIZED WHEREVER POSSIBLE TO AID IN EROSION PREVENTION.
 - c. EXISTING VEGETATION WILL BE PRESERVED WHEREVER POSSIBLE TO LIMIT EXPOSED SOIL AND THUS WILL SERVE AS NATURAL VEGETATIVE BUFFERS.
 - d. EXPOSED SOIL ON STEEP SLOPES (≤3H:1V) WILL BE STABILIZED USING EROSION CONTROL BLANKET.
 5. **PROTECTION OF INFILTRATION AREAS:** THE FOLLOWING EROSION PREVENTION BMPS TO BE IMPLEMENTED AT THE SITE TO PROTECT PLANNED INFILTRATION AREAS: THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT IETMS 16.4, 16.5, AND 17.3)

- 4.2 SEDIMENT CONTROL PRACTICES** (CSW PERMIT ITEMS 5.3 THROUGH 5.5 AND SECTIONS 7 AND 9)
1. **DOWNGRADIENT PERIMETER CONTROLS:** SEDIMENT CONTROL PRACTICES WILL BE ESTABLISHED ON ALL DOWNGRADIENT PERIMETERS AND LOCATED UPGRADIENT ON ANY BUFFER ZONES. PERIMETER SEDIMENT CONTROLS THAT MAY BE USED INCLUDE: SILT FENCING, VEGETATIVE BUFFERS (RETAIN EXISTING VEGETATION WHERE POSSIBLE), EROSION CONTROL BLANKET. (CSW PERMIT ITEMS 9.2 THROUGH 9.6 AND 9.18)
 - a. PERIMETER SEDIMENT CONTROL PRACTICES MUST BE INSTALLED BEFORE ANY UPGRADIENT LAND-DISTURBING ACTIVITIES BEGIN AND REMAIN IN PLACE UNTIL PERMANENT COVER HAS BEEN ESTABLISHED.
 - b. IF SEDIMENT CONTROL PRACTICES HAVE BEEN ADJUSTED OR REMOVED TO ACCOMMODATE SHORT-TERM ACTIVITIES (SUCH AS CLEARING, GRUBBING, OR PASSAGE OF VEHICLES), THE CONTROLS MUST BE RE-INSTALLED IMMEDIATELY AFTER THE SHORT-TERM ACTIVITY HAS BEEN COMPLETED. SEDIMENT CONTROL PRACTICES MUST BE RE-INSTALLED BEFORE THE NEXT PRECIPITATION EVENT, EVEN IF THE SHORT-TERM ACTIVITY IS NOT COMPLETE.
 - c. IF THE DOWNGRADIENT SEDIMENT CONTROLS ARE OVERLOADED (BASED ON FREQUENT FAILURE OR EXCESSIVE MAINTENANCE REQUIREMENT), INSTALL ADDITIONAL UPGRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMPS TO ELIMINATE THE OVERLOADING AND AMEND THE SWPPP TO IDENTIFY THESE ADDITIONAL PRACTICES.
 - d. ANY SEDIMENT CONTROL MADE OF SOIL MUST BE TEMPORARILY OR PERMANENTLY STABILIZED WITHIN 24 HOURS.
 2. **SOIL STOCKPILE PERIMETER CONTROLS:** ANY TEMPORARY SOIL STOCKPILES WILL BE SURROUNDED BY SILT FENCING, BIOROLLS, OR OTHER EFFECTIVE SEDIMENT CONTROLS PRIOR TO INITIATION OF STOCKPILING AND WILL NOT BE PLACED IN ANY NATURAL BUFFERS OR SURFACE WATERS. (CSW PERMIT ITEMS 9.9 AND 9.10)
 3. **STORM DRAIN INLET PROTECTION:** IF STORM DRAINS ARE PRESENT, INLET PROTECTION BMPS WILL BE INSTALLED AROUND ALL STORM DRAIN INLETS DOWNGRADIENT OF CONSTRUCTION ACTIVITIES. STORM DRAIN INLETS WILL BE PROTECTED UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE

- ESTABLISHED PERMANENT COVER. INLET PROTECTION BMPS THAT MAY BE USED INCLUDE: SEDIMENT CONTROL LOG (CSW PERMIT ITEMS 9.7 AND 9.8)
4. **VEHICLE TRACKING BMPS:** A VEHICLE TRACKING ROCK PADS OR AN EQUIVALENT SYSTEM WILL BE INSTALLED TO MINIMIZE THE TRACKING OUT OF SEDIMENT FROM THE CONSTRUCTION AREA. STREET SWEEPING WILL BE USED, IN ADDITION TO VEHICLE TRACKING BMPS, IF VEHICLE TRACKING BMPS ALONE ARE NOT ADEQUATE TO PREVENT SEDIMENT TRACKING. (CSW PERMIT ITEMS 9.11 AND 9.12)
 5. **PROTECTION OF INFILTRATION AND FILTRATION AREAS:** ADDITIONAL SEDIMENT CONTROLS WILL BE INSTALLED TO KEEP RUNOFF AWAY FROM PLANNED INFILTRATION OR FILTRATION AREAS WHEN EXCAVATED PRIOR TO ESTABLISHING PERMANENT COVER WITHIN THE CONTRIBUTING DRAINAGE AREA. THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEMS 16.4, 16.5, AND 17.3)
 6. **MINIMIZATION OF SOIL COMPACTION AND PRESERVATION OF TOPSOIL:** SOIL COMPACTION WILL BE MINIMIZED AND TOPSOIL WILL BE PRESERVED WHERE POSSIBLE. (CSW PERMIT ITEMS 5.24, 9.14, AND 9.15)
 7. **DIRECT DISCHARGE TO VEGETATED AREAS:** DISCHARGES FROM BMPS WILL BE DIRECTED TO VEGETATED AREAS OF THE SITE (INCLUDING ANY NATURAL BUFFERS) IN ORDER TO INCREASE SEDIMENT REMOVAL AND MAXIMIZE STORMWATER INFILTRATION. IF EROSION IS NOTED TO OCCUR AS THE RESULT OF SUCH A DISCHARGE, VELOCITY DISSIPATION BMPS WILL BE CONSIDERED AND INSTALLED AS NECESSARY TO PREVENT EROSION (CSW PERMIT ITEM 9.16)
 8. **BUFFER ZONE OR REDUNDANT SEDIMENT CONTROLS TO PROTECT SURFACE WATERS:** A 50-FOOT NATURAL BUFFER IS REQUIRED BETWEEN THE PROJECT'S SOIL DISTURBANCE AND A SURFACE WATER. ALTERNATIVELY, REDUNDANT SEDIMENT CONTROLS MUST BE PLACED IF A BUFFER IS INFEASIBLE. (CSW PERMIT ITEMS 5.13 AND 9.17)
 - a. IN WETLANDS AND NON-SPECIAL WATERS, A 50-FOOT NATURAL BUFFER WILL BE PRESERVED. WHEN A SURFACE WATER IS LOCATED WITHIN 50 FEET OF THE PROJECT'S EARTH DISTURBANCES AND STORMWATER FLOWS TO THE SURFACE WATER, OR WHEN A BUFFER IS INFEASIBLE, REDUNDANT SEDIMENT CONTROLS WILL BE PROVIDED. REDUNDANT PERIMETER CONTROLS WILL BE INSTALLED AT LEAST 5 FEET APART UNLESS LIMITED BY LACK OF AVAILABLE SPACE.
 - b. A 100-FOOT NATURAL BUFFER WILL BE PRESERVED IN CONSTRUCTION AREAS DISCHARGING TO SPECIAL WATERS OR, IF A BUFFER IS INFEASIBLE, REDUNDANT SEDIMENT CONTROLS WILL BE PROVIDED, WHEN A SPECIAL WATER IS LOCATED WITHIN 100 FEET OF THE PROJECT'S EARTH DISTURBANCES AND STORMWATER FLOWS TO THE SURFACE WATER.
 9. **SEDIMENTATION TREATMENT CHEMICALS:** PLANS FOR USE OF SEDIMENTATION TREATMENT CHEMICALS (E.G., POLYMERS, FLOCCULANTS, ETC.) INCLUDE: THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEMS 5.22 AND 9.19)
 10. **TEMPORARY SEDIMENT BASIN(S):** A TEMPORARY SEDIMENT BASIN IS REQUIRED WHEN 10 OR MORE ACRES DRAIN TO A COMMON LOCATION OR WHEN 5 OR MORE ACRES DRAIN TO A COMMON LOCATION IF THE SITE IS WITHIN 1 MILE OF A SPECIAL OR IMPAIRED WATER. THIS PROJECT DOES NOT INCLUDE 5 OR MORE ACRES OF DISTURBED SOIL DRAINING TO A COMMON LOCATION THAT IS WITHIN 1 MILE OF A SPECIAL OR IMPAIRED WATER. (CSW PERMIT ITEMS 5.6, 5.13, 5.14, 9.13, AND 23.10 AND SECTION 14)

4.3 DEWATERING AND BASIN DRAINING: DEWATERING AND BASIN DRAINING DISCHARGES MUST NOT CAUSE NUISANCE CONDITIONS IN SURFACE WATERS. IF NUISANCE CONDITIONS RESULT FROM THE DISCHARGE, DEWATERING MUST CEASE IMMEDIATELY AND CORRECTIVE ACTIONS MUST OCCUR BEFORE DEWATERING IS RESUMED. THE FOLLOWING MEASURES WILL BE USED TO TREAT/DISPOSE OF TURBID OR SEDIMENT-LADEN WATER RESULTING FROM DEWATERING OR BASIN DRAINING: N/A. THE FOLLOWING METHODS WILL BE USED TO PREVENT EROSION OR SCOUR OF DISCHARGE POINTS: N/A. THE DISCHARGE MUST BE VISUALLY CHECKED AND PHOTOGRAPHED AT THE BEGINNING AND AT LEAST ONCE EVERY 24 HOURS OF OPERATION TO ENSURE ADEQUATE TREATMENT HAS BEEN OBTAINED AND NUISANCE CONDITIONS WILL NOT RESULT FROM THE DISCHARGE. (CSW PERMIT ITEM 11.9 AND SECTION 10)
FILTER BACKWASH WILL BE MANAGED ON THE SITE OR PROPERLY DISPOSED BY: THIS IS NOT APPLICABLE FOR THIS PROJECT. (CSW PERMIT ITEM 10.6)

- 4.4 BMP DESIGN FACTORS:** THE FOLLOWING BMP DESIGN FACTORS HAVE BEEN CONSIDERED IN DESIGNING THE TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL BMPS: (CSW PERMIT ITEM 5.26)
1. EXPECTED AMOUNT, FREQUENCY, INTENSITY, AND DURATION OF PRECIPITATION: MAPLEWOOD, MN TYPICALLY HAS A WET SEASON FROM APRIL TO OCTOBER WITH APPROXIMATELY 3.5" OF PRECIPITATION FROM RAIN PER MONTH. THERE IS APPROXIMATELY A 25% CHANCE OF A GIVEN DAY BEING A WET DAY DURING THIS PERIOD WITH A WET DAY HAVING AT LEAST 0.04" OF PRECIPITATION.
 2. NATURE OF STORMWATER RUNOFF AND RUN-ON AT THE SITE, INCLUDING FACTORS SUCH AS EXPECTED FLOW FROM IMPERVIOUS SURFACES, SLOPES, AND SITE DRAINAGE FEATURES: AS SHOWN ON C001, FLOW IS SLOPED TOWARD THE CREEK FROM THE SURROUNDING AREA AVERAGING APPROXIMATELY 15:1. FLOW IS PREDOMINANTLY FROM PERVIOUS SURFACES.
 3. STORMWATER VOLUME, VELOCITY, AND PEAK FLOW RATES TO MINIMIZE DISCHARGE OF POLLUTANTS IN STORMWATER AND TO MINIMIZE CHANNEL AND STREAMBANK EROSION AND SCOUR IN THE IMMEDIATE VICINITY OF DISCHARGE POINTS: SILT FENCING AND EROSION CONTROL BLANKET WILL BE UTILIZED TO MINIMIZE DISCHARGE OF POLLUTANTS AND TO MINIMIZE CHANNEL AND STREAMBANK EROSION AND SCOUR. METHODS ARE SHOWN ON C001.
 4. RANGE OF SOIL PARTICLE SIZES EXPECTED TO BE PRESENT: FINE SILT LOAMS TO COARSER SANDY LOAMS AS SHOWN ON G003.

4.5 BMP QUANTITIES: ANTICIPATED EROSION PREVENTION AND SEDIMENT CONTROL BMP QUANTITIES NEEDED FOR THE LIFE OF THE PROJECT: (CSW PERMIT ITEM 5.7)

BMP TYPE	UNIT	QTY
EROSION CONTROL BLANKET	SY	6,275
FLOATING SILT CURTAIN	LF	210
SEDIMENT LOG	LF	2704

DRAFT
ISSUED FOR BID
(NOT FOR CONSTRUCTION)

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
A	EMB	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION



BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435

PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 1010411545



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN	BARR PROJECT # 2362147000
STORMWATER POLLUTION PREVENTION PLAN (SWPPP) 1 OF 2	DWG # G-02
	REV # A

ORIGINAL DRAWING SIZE: ANSI FULL BLEED B (17.00 X 11.00 INCHES) PLOT SCALE: 1:2 PLOT DATE: 7/27/2026 10:13 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\236214700\236214700_02_G42 G-03_SWPPP.DWG

5.0 PERMANENT STORMWATER MANAGEMENT SYSTEM:
A PERMANENT STORMWATER TREATMENT SYSTEM IS REQUIRED IF THE PROJECT RESULTS IN ONE ACRE OR MORE OF NEW IMPERVIOUS SURFACES OR RESULTS IN ONE OR MORE ACRES OF NEW IMPERVIOUS SURFACES IN TOTAL IF THE PROJECT IS PART OF A LARGER PLAN OF DEVELOPMENT. (CSW PERMIT ITEM 15.3)
A WATER QUALITY VOLUME OF ONE INCH OF RUNOFF FROM THE CUMULATIVE NEW IMPERVIOUS SURFACES CREATED BY THE PROJECT MUST BE TREATED ON-SITE THROUGH VOLUME REDUCTION PRACTICES (E.G., INFILTRATION OR OTHER) UNLESS PROHIBITED DUE TO ONE OF THE REASONS IN PERMIT ITEMS 16.14 THROUGH 16.21. A PERMANENT STORMWATER TREATMENT SYSTEM IS NOT REQUIRED. (CSW PERMIT ITEMS 5.15, 15.4 THROUGH 15.9, AND 23.14)
DESIGN PARAMETERS FOR THE PLANNED PERMANENT STORMWATER TREATMENT SYSTEM, INCLUDING VOLUME CALCULATIONS, DISCHARGE RATE CALCULATION, CONSTRUCTION DETAILS INCLUDING BASIN DEPTH, OUTLET CONFIGURATIONS, LOCATION, DESIGN OF PRE-TREATMENT DEVICES, AND TIMING FOR INSTALLATION ARE: A PERMANENT STORMWATER TREATMENT SYSTEM IS NOT REQUIRED. (CSW PERMIT ITEMS 5.4, 5.6, AND 5.25 AND SECTIONS 15 THROUGH 19)
FOR INFILTRATION SYSTEMS, PROVIDE AT LEAST ONE SOIL BORING, TEST PIT, OR INFILTRMETER TEST IN THE LOCATION OF THE INFILTRATION PRACTICE TO DETERMINE INFILTRATION RATES AND TO ENSURE A MINIMUM OF 3 FEET OF SEPARATION FROM THE SEASONALLY SATURATED SOILS (OR FROM BEDROCK) AND THE BOTTOM OF THE PROPOSED INFILTRATION SYSTEM. SOIL TESTING RESULTS ARE: AN INFILTRATION IS NOT BEING INSTALLED. (CSW PERMIT ITEMS 16.10 THROUGH 16.12)
BECAUSE THIS IS A LINEAR PROJECT WITH LACK OF RIGHT OF WAY TO INSTALL TREATMENT SYSTEMS CAPABLE OF TREATING THE ENTIRE WATER QUALITY VOLUME: THIS IS NOT A LINEAR PROJECT WITH LACK OF RIGHT OF WAY. (CSW PERMIT ITEM 15.9)
REASONABLE ATTEMPTS WERE MADE TO OBTAIN RIGHT OF WAY FOR STORMWATER TREATMENT SYSTEMS AS DESCRIBED IN RIGHT OF WAY DID NOT NEED TO BE OBTAINED. (CSW PERMIT ITEMS 5.13 AND 15.9)
BECAUSE THIS PROJECT DISCHARGES TO TROUT STREAMS, INCLUDING TRIBUTARIES TO TROUT STREAMS, TEMPERATURE CONTROLS IN THE PERMANENT STORMWATER TREATMENT SYSTEM INCLUDE: THIS PROJECT DOES NOT DISCHARGE TO A TROUT STREAM. (CSW PERMIT ITEM 23.12)

6.0 INSPECTION AND MAINTENANCE ACTIVITIES:
6.1 PERSONS WITH REQUIRED TRAINING: TRAINED INDIVIDUALS INCLUDE THOSE PARTIES RESPONSIBLE FOR INSTALLING, SUPERVISING, REPAIRING, INSPECTING, AND MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROL BMPs AT THE SITE. TRAINED INDIVIDUALS ARE ALSO RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND COMPLIANCE WITH THE GENERAL PERMIT UNTIL THE CONSTRUCTION ACTIVITIES ARE COMPLETE, PERMANENT COVER HAS BEEN ESTABLISHED, AND A NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED. (CSW PERMIT ITEMS 5.20, 5.21, AND 11.10 AND SECTION 21)
THESE INDIVIDUALS WILL BE TRAINED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL PERMIT, INCLUDING THE REQUIREMENT THAT THE CONTENT AND EXTENT OF TRAINING WILL BE COMMENSURATE WITH THE INDIVIDUAL'S JOB DUTIES AND RESPONSIBILITIES.
BELOW IS A LIST OF PEOPLE RESPONSIBLE FOR THIS PROJECT WHO ARE KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL BMPs.

TRAINED INDIVIDUAL	RESPONSIBILITY	APPLICABLE TRAINING	TRAINING DOCUMENTATION ATTACHED?
ELLI B. ZAJKOWSKI	PREPARATION OF THE SWPPP	UMN, 2023	[YES OR NO]
TBD	OVERSIGHT OF SWPPP IMPLEMENTATION, REVISION, AND AMENDMENT	TBD	NO
TBD	PERFORMANCE OF SWPPP INSPECTIONS	TBD	NO
TBD	PERFORMANCE OR SUPERVISION OF INSTALLATION, MAINTENANCE, AND REPAIR OF BMPs	TBD	NO

6.2 FREQUENCY OF INSPECTIONS: A TRAINED PERSON WILL ROUTINELY INSPECT THE ENTIRE CONSTRUCTION SITE. (CSW PERMIT ITEMS 11.2, 11.10, AND 23.13)

- AT LEAST ONCE EVERY 7 DAYS DURING ACTIVE CONSTRUCTION
- WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCHES IN 24 HOURS

INSPECTION FREQUENCY MAY BE ADJUSTED UNDER THE FOLLOWING CIRCUMSTANCES:

- WHERE PARTS OF THE CONSTRUCTION AREAS HAVE PERMANENT COVER, BUT WORK REMAINS ON OTHER PARTS OF THE SITE, INSPECTIONS OF THE AREAS WITH PERMANENT COVER MAY BE REDUCED TO ONCE PER MONTH.
- WHERE CONSTRUCTION AREAS HAVE PERMANENT COVER AND NO CONSTRUCTION ACTIVITY IS OCCURRING ON THE SITE, INSPECTIONS CAN BE REDUCED TO ONCE PER MONTH AND, AFTER 12 MONTHS, MAY BE SUSPENDED COMPLETELY UNTIL CONSTRUCTION ACTIVITY RESUMES.
- WHERE CONSTRUCTION ACTIVITY HAS BEEN SUSPENDED DUE TO FROZEN GROUND CONDITIONS, THE INSPECTIONS MAY BE SUSPENDED. THE REQUIRED INSPECTIONS AND MAINTENANCE SCHEDULE MUST BEGIN WITHIN 24 HOURS AFTER RUNOFF OCCURS AT THE SITE OR UPON RESUMING CONSTRUCTION, WHICHEVER COMES FIRST.
- FOR PROJECTS WHERE A POLLINATOR HABITAT OR NATIVE PRAIRIE TYPE VEGETATED COVER IS BEING ESTABLISHED, INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH IF THE SITE HAS TEMPORARY VEGETATION WITH A DENSITY OF 70% TEMPORARY UNIFORM COVER. IF AFTER 24 MONTHS NO SIGNIFICANT EROSION PROBLEMS ARE OBSERVED, INSPECTIONS MAY BE SUSPENDED COMPLETELY UNTIL TERMINATION REQUIREMENTS HAVE BEEN MET.

6.3 INSPECTION REQUIREMENTS: EACH CONSTRUCTION STORMWATER SITE INSPECTION WILL INCLUDE INSPECTION OF THE FOLLOWING AREAS: (CSW PERMIT ITEMS 11.3 THROUGH 11.8)

- ALL PERMANENT STORMWATER TREATMENT BMPs
- ALL EROSION PREVENTION AND SEDIMENT CONTROL BMPs AND POLLUTION PREVENTION MANAGEMENT MEASURES
- AREAS ADJACENT TO THE PROJECT AND SURFACE WATERS, INCLUDING DRAINAGE DITCHES AND CONVEYANCE SYSTEMS BUT NOT CURB AND GUTTER SYSTEMS, FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION
- CONSTRUCTION SITE VEHICLE EXIT LOCATIONS FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING
- DEWATERING DISCHARGES WILL BE INSPECTED AND PHOTOGRAPHED AT THE BEGINNING AND AT LEAST ONCE EVERY 24 HOURS DURING OPERATION.

6.4 MAINTENANCE REQUIREMENTS: MAINTENANCE OF THE FOLLOWING AREAS AND BMPs WILL BE PERFORMED AS FOLLOWS: (CSW PERMIT ITEMS 11.3 THROUGH 11.8)

- NONFUNCTIONAL BMPs WILL BE REPAIRED, REPLACED, OR SUPPLEMENTED WITH FUNCTIONAL BMPs BY THE END OF THE NEXT BUSINESS DAY AFTER DISCOVERY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
- PERIMETER CONTROL DEVICES WILL BE REPAIRED, REPLACED, OR SUPPLEMENTED WHEN THEY BECOME NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 OF THE HEIGHT OF THE DEVICE.
- TEMPORARY AND PERMANENT SEDIMENTATION BASINS WILL BE DRAINED AND THE SEDIMENT REMOVED WHEN THE DEPTH OF SEDIMENT COLLECTED IN THE BASIN REACHES 1/2 THE STORAGE VOLUME WITHIN 72 HOURS OF DISCOVERY.
- DELTA AND SEDIMENT DEPOSITED IN AREAS ADJACENT TO THE PROJECT, SURFACE WATERS, INCLUDING DRAINAGE WAYS, CATCH BASINS, AND OTHER DRAINAGE SYSTEMS WILL BE REMOVED, AND THE AREAS WHERE

SEDIMENT REMOVAL RESULTS IN EXPOSED SOIL WILL BE RE-STABILIZED. THE REMOVAL AND STABILIZATION WILL BE COMPLETED WITHIN 7 CALENDAR DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OR PHYSICAL ACCESS CONSTRAINTS. IF PRECLUDED DUE TO ACCESS CONSTRAINTS, REASONABLE EFFORTS TO OBTAIN ACCESS WILL BE USED. REMOVAL AND STABILIZATION WILL TAKE PLACE WITHIN 7 CALENDAR DAYS OF OBTAINING ACCESS.

- TRACKED SEDIMENT ON PAVED SURFACES WILL BE REMOVED WITHIN 1 CALENDAR DAY OF DISCOVERY OR, IF APPLICABLE, WITHIN A SHORTER TIME TO AVOID A SAFETY HAZARD TO USERS OF PUBLIC STREETS.
- AREAS UNDERGOING STABILIZATION WILL BE REESTABLISHED AS NECESSARY TO ACHIEVE REQUIRED COVER.

6.5 RECORDKEEPING REQUIREMENTS: (CSW PERMIT ITEMS 11.12 AND 24.5 AND SECTIONS 6 AND 20)

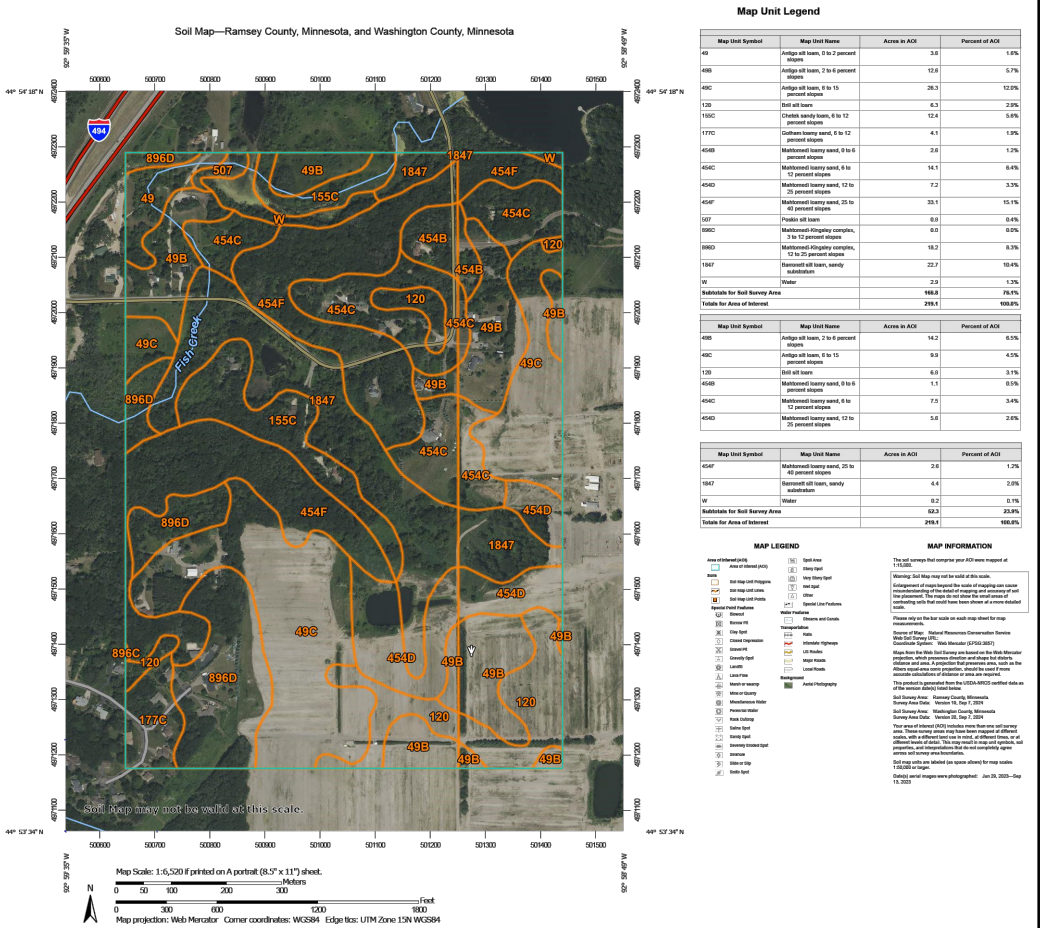
- ALL INSPECTIONS AND MAINTENANCE ACTIVITIES MUST BE RECORDED WITHIN 24 HOURS OF BEING CONDUCTED AND THESE RECORDS MUST BE RETAINED WITH THE SWPPP. RECORDS OF EACH INSPECTION AND MAINTENANCE ACTIVITY WILL INCLUDE THE DATE AND TIME; NAME OF INSPECTOR(S); FINDINGS OF INSPECTIONS; CORRECTIVE ACTIONS (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); AND DATE OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS AND THE AMOUNT OF RAINFALL FOR EACH EVENT..
 - IF ANY DISCHARGE IS OBSERVED DURING THE INSPECTION, DOCUMENT THE LOCATION AND APPEARANCE OF THE DISCHARGE (I.E., COLOR, ODOR, SETTLED OR SUSPENDED SOLIDS, OIL SHEEN, AND OTHER OBVIOUS INDICATORS OF POLLUTANTS) AND PHOTOGRAPH THE DISCHARGE.
 - IF DEWATERING ACTIVITIES ARE OCCURRING, INCLUDE PHOTOGRAPHS OF DEWATERING ACTIVITIES AND DOCUMENTATION OF NUISANCE CONDITIONS RESULTING FROM DEWATERING ACTIVITIES.
- THE SWPPP WILL BE AMENDED WITHIN 7 DAYS TO INCLUDE ADDITIONAL OR MODIFIED BMPs WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER, OR SEASONAL CONDITIONS THAT HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER.
 - THE SWPPP WILL BE AMENDED WITHIN 7 DAYS WHEN INSPECTIONS OR INVESTIGATIONS BY THE SITE OWNER, OPERATOR, OR CONTRACTORS OR BY USEPA/MPCA OFFICIALS INDICATE THAT THE SWPPP IS NOT EFFECTIVE IN ELIMINATING OR MINIMIZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR GROUNDWATER; THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDANCES; OR THE SWPPP IS NOT CONSISTENT WITH A USEPA APPROVED TMDL.
 - ANY AMENDMENTS TO THE SWPPP PROPOSED AS A RESULT OF THE INSPECTION WILL BE DOCUMENTED AS REQUIRED WITHIN 7 CALENDAR DAYS.
 - AMENDMENTS WILL BE COMPLETED BY AN APPROPRIATELY TRAINED INDIVIDUAL. CHANGES INVOLVING THE USE OF A LESS STRINGENT BMP WILL INCLUDE A JUSTIFICATION DESCRIBING HOW THE REPLACEMENT BMP IS EFFECTIVE FOR THE SITE CHARACTERISTICS.
- RECORDS RETENTION: THE SWPPP, INCLUDING ALL CHANGES TO IT, AND INSPECTION AND MAINTENANCE RECORDS, MUST BE KEPT ON-SITE OR ELECTRONICALLY AVAILABLE ON-SITE DURING NORMAL WORKING HOURS WITH PERSONNEL WHO HAVE OPERATIONAL CONTROL OF THE SITE.
- RECORD AVAILABILITY: THE SWPPP, INCLUDING INSPECTION REPORTS, MAINTENANCE RECORDS, AND TRAINING RECORDS, MUST BE MADE AVAILABLE TO FEDERAL, STATE, AND LOCAL OFFICIALS WITHIN 3 DAYS UPON REQUEST FOR THE DURATION OF THE PERMIT COVERAGE AND FOR 3 YEARS FOLLOWING THE NOT.

7.0 POLLUTION PREVENTION MANAGEMENT MEASURES:

- ANY CONSTRUCTION MATERIALS AND LANDSCAPE MATERIALS THAT HAVE THE POTENTIAL TO LEACH POLLUTANTS WILL BE STORED UNDER COVER (E.G., PLASTIC SHEETING OR TEMPORARY ROOFS) TO PREVENT DISCHARGE OF POLLUTANTS THROUGH MINIMIZATION OF CONTACT WITH STORMWATER. STORAGE OF SUCH MATERIALS WITHIN THE PROJECT AREA WILL BE MINIMIZED TO THE EXTENT POSSIBLE. (CSW PERMIT ITEM 12.2)
PESTICIDES, FERTILIZERS, AND TREATMENT CHEMICALS WILL BE STORED UNDER COVER (E.G., PLASTIC SHEETING, TEMPORARY ROOFS, WITHIN A BUILDING, OR IN WEATHER-PROOF CONTAINERS) TO PREVENT DISCHARGE OF POLLUTANTS THROUGH MINIMIZATION OF CONTACT WITH STORMWATER. STORAGE OF SUCH MATERIALS WITHIN THE PROJECT AREA WILL BE MINIMIZED TO THE EXTENT POSSIBLE. (CSW PERMIT ITEM 12.3)
HAZARDOUS MATERIALS AND TOXIC WASTE (E.G., OIL, DIESEL FUEL, GASOLINE, HYDRAULIC FLUIDS, PAINT SOLVENTS, PETROLEUM-BASED PRODUCTS, WOOD PRESERVATIVES, ADDITIVES, CURING COMPOUNDS, AND ACIDS) WILL BE STORED AND DISPOSED OF IN COMPLIANCE WITH MINNESOTA RULES CHAPTER 7045, INCLUDING SECONDARY CONTAINMENT (AS APPLICABLE). HAZARDOUS MATERIALS WILL BE PROPERLY STORED IN SEALED CONTAINERS TO PREVENT SPILLS, LEAKS, OR OTHER DISCHARGES AND PREVENT PRECIPITATION FROM FALLING ONTO THE CONTAINERS OR STORED HAZARDOUS MATERIALS. (CSW PERMIT ITEMS 2.3 AND 12.4)
- SOLID WASTE WILL BE COLLECTED, STORED, AND DISPOSED OF PROPERLY IN COMPLIANCE WITH MINNESOTA RULES CHAPTER 7035. THIS INCLUDES STORAGE WITHIN COVERED TRASH CONTAINERS AND DAILY REMOVAL OF LITTER AND DEBRIS. STORAGE OF SOLID WASTE WITHIN THE PROJECT AREA WILL BE MINIMIZED TO THE EXTENT POSSIBLE. (CSW PERMIT ITEM 12.5)
- PORTABLE TOILETS WILL BE LOCATED AWAY FROM SURFACE WATERS AND POSITIONED SO THEY ARE SECURE AND WILL NOT TIP OR BE KNOCKED OVER. SANITARY WASTE WILL BE DISPOSED OF IN ACCORDANCE WITH MINNESOTA RULES CHAPTER 7041. PORTABLE TOILETS WILL BE PERIODICALLY EMPTIED AND THE WASTE HAULED OFF-SITE BY A LICENSED HAULER. (CSW PERMIT ITEM 12.6)
- VEHICLE FUELING WILL ONLY OCCUR IN DESIGNATED AREAS. SPILL KITS SIZED APPROPRIATELY FOR THE AMOUNT OF REFUELING TAKING PLACE WILL BE LOCATED WITHIN THE PROJECT AREA. SPILL KITS WILL BE CLEARLY LABELED AND CONTAIN MATERIALS TO ASSIST IN SPILL CLEANUP INCLUDING ABSORBENT PADS, BOOMS FOR CONTAINING SPILLS, AND HEAVY-DUTY PROTECTIVE GLOVES. SPILLS WILL BE REPORTED TO THE MINNESOTA DUTY OFFICER AS REQUIRED BY MINNESOTA STATUTES SECTION 115.061. (CSW PERMIT ITEMS 2.3 AND 12.7)
 - ANY FUEL TANKS BROUGHT ON-SITE WILL HAVE PROPERLY SIZED CONTAINMENT AND WILL NOT BE TOPPED OFF TO AVOID SPILLS FROM OVERFILLING. FUEL TANKS WILL MEET INDUSTRY STANDARDS (DESIGNED TO HOLD FUEL TYPE, PROPERLY MAINTAINED, NOT ILLEGALLY MODIFIED, NOT MISSING LEAK INDICATOR FLOATS FOR DOUBLE-WALLED TANKS, SIGHT GAUGES NOT USED, ETC.) OR BE REMOVED FROM THE WORK AREA.
 - GUIDELINES FOR SPILL PREVENTION AND RESPONSE INCLUDE:
 - TAKE REASONABLE STEPS TO PREVENT THE DISCHARGE OF SPILLED OR LEAKED CHEMICALS, INCLUDING FUEL, FROM ANY AREA WHERE CHEMICALS OR FUEL WILL BE LOADED OR UNLOADED, INCLUDING THE USE OF DRIP PANS OR ABSORBENTS UNLESS INFEASIBLE;
 - PERFORM REGULAR PREVENTATIVE MAINTENANCE ON TANKS AND FUEL LINES;
 - INSPECT PUMPS, CYLINDERS, HOSES, VALVES, AND OTHER MECHANICAL EQUIPMENT ON-SITE FOR DAMAGE OR DETERIORATION;
 - DO NOT WASH OR RINSE FUELING AREAS WITH WATER;
 - MAINTAIN ADEQUATE SUPPLIES TO CLEAN UP DISCHARGED MATERIALS AND PROVIDE AN APPROPRIATE DISPOSAL METHOD FOR RECOVERED SPILLED MATERIALS;
 - REPORT AND CLEAN UP SPILLS IMMEDIATELY AS REQUIRED BY MINNESOTA STATUTES SECTION 115.061, USING DRY CLEAN UP MEASURES WHERE POSSIBLE; AND
 - MAINTAIN COPIES OF SAFETY DATA SHEETS (SDSS) FOR HAZARDOUS MATERIALS ON-SITE IN LOCATIONS READILY AVAILABLE TO EMERGENCY RESPONDERS.
- IF VEHICLE AND EQUIPMENT WASHING IS NECESSARY, A VEHICLE WASH STATION WILL BE LOCATED IN A DESIGNATED AREA. RUNOFF FROM THE WASHING AREA WILL BE CONTAINED IN A SEDIMENT BASIN, AND WASTE FROM THE WASHING ACTIVITY WILL BE PROPERLY DISPOSED OF. ANY SOAPS, DETERGENTS, OR SOLVENTS WILL BE PROPERLY USED AND STORED. ANY DETERGENTS AND OTHER CLEANERS NOT PERMITTED FOR DISCHARGE WILL NOT BE USED. (CSW PERMIT ITEMS 2.3 AND 12.8)

8. THE PROJECT WILL NOT RESULT IN CONCRETE OR OTHER WASHOUT ACTIVITIES. IF LIQUID AND SOLID WASTES ARE GENERATED BY WASHOUT OPERATIONS (E.G., CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS), EFFECTIVE CONTAINMENT MUST BE PROVIDED. LIQUID AND SOLID WASHOUT WASTES WILL BE PREVENTED FROM CONTACTING THE GROUND AND WILL BE PROPERLY DISPOSED OF IN COMPLIANCE WITH MPCA RULES. (CSW PERMIT ITEMS 2.3 AND 12.9)
8.0 PERMANENT COVER AND PERMIT TERMINATION CONDITIONS:

- THE AREAS DISTURBED DURING CONSTRUCTION WILL BE STABILIZED WITH PERMANENT COVER UPON COMPLETION OF WORK. PERMANENT COVER MAY BE VEGETATIVE OR NON-VEGETATIVE, AS APPROPRIATE. ESTABLISHMENT OF PERMANENT COVER MAY INCLUDE THE FOLLOWING ACTIVITIES: ONE OR A COMBINATION OF SEEDING, MULCHING, AND/OR EROSION CONTROL BLANKET. (CSW PERMIT ITEMS 5.17 AND 13.2)
- FOR A CONSTRUCTION-SITE TO ACHIEVE "PERMANENT COVER", THE FOLLOWING REQUIREMENTS MUST BE COMPLETED PRIOR TO TERMINATION OF PERMIT COVERAGE: (CSW PERMIT SECTIONS 4 AND 13)
 - ALL SOIL DISTURBING CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND PERMANENT COVER HAS BEEN INSTALLED OVER ALL AREAS. VEGETATIVE COVER CONSISTS OF A UNIFORM PERENNIAL VEGETATION WITH A DENSITY OF 70% OF ITS EXPECTED FINAL GROWTH. VEGETATION IS NOT REQUIRED WHERE THE FUNCTION OF A SPECIFIC AREA DICTATES NO VEGETATION (SUCH AS IMPERVIOUS SURFACES OR THE BASE OF A SAND FILTER).
 - ANY ACCUMULATED SEDIMENT HAS BEEN REMOVED FROM THE PERMANENT STORMWATER TREATMENT SYSTEM, AND THE SYSTEM IS OPERATING AS DESIGNED.
 - ALL SEDIMENT HAS BEEN REMOVED FROM CONVEYANCE SYSTEMS, INCLUDING CULVERTS.
 - ALL TEMPORARY SYNTHETIC EROSION PREVENTION AND SEDIMENT CONTROL BMPs HAVE BEEN REMOVED. BMPs DESIGNED TO DECOMPOSE ON-SITE MAY BE LEFT IN PLACE.
- SUBMIT A NOT TO THE MPCA WITHIN 30 DAYS AFTER THE TERMINATION CONDITIONS ARE COMPLETE. WHEN SUBMITTING THE NOT, INCLUDE EITHER GROUND OR AERIAL PHOTOGRAPHS SHOWING THE PERMANENT COVER REQUIREMENTS HAVE BEEN MET.



DRAFT
ISSUED FOR BID
(NOT FOR CONSTRUCTION)

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A	EMB	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION



BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435

PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 1010411545



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN STORMWATER POLLUTION PREVENTION PLAN (SWPPP) 2 OF 2	BARR PROJECT # 2362147000 DWG # G-03 REV # A
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NOTES:

- EXISTING CONTOUR DATA IS BASED ON SURVEYS PERFORMED BY BARR ENGINEERING NOVEMBER 2020 AS SUPPLEMENTED WITH LIDAR DATA. BARR OBTAINED LIDAR DATA FROM MNDNR IN 2020.
- EXISTING PROPERTY BOUNDARY LINES FROM PARCEL BOUNDARY SURVEY BY NORTHWESTERN SURVEYING AND ENGINEERING, APRIL 16, 2021, AND SUPPLEMENTED BY PROPERTY PARCEL LINE DATA FROM ST. LOUIS COUNTY, PROVIDED TO BARR AS RE-PROJECTED GIS SHAPEFILE, DECEMBER 29, 2020.
- CONTRACTOR IS RESPONSIBLE TO LOCATE AND FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO WORK.
- ALL EXISTING ROADS, PARKING LOTS, TRAILS, FENCES, SIGNS, OR SIMILAR SHALL BE PROTECTED DURING CONSTRUCTION EXCEPT WHERE NOTED ON PLANS. CONTRACTOR IS RESPONSIBLE TO COORDINATE SURVEYS WITH THE CITY AND/OR OWNER TO DOCUMENT PRE-CONSTRUCTION EXISTING CONDITION ISSUES.
- CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL BMPs PRIOR TO COMMENCEMENT OF GRADING FOR EACH LOCATION DURING CONSTRUCTION. EROSION CONTROL PLANS ARE PROVIDED INSIDE THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- DISTURBANCE AREA IS APPROXIMATE, AS MEASURED PER PLAN. ADJUSTMENTS MAY BE REQUIRED PER FIELD CONDITIONS ENCOUNTERED.
- MNDNR HAS OBTAINED PROPERTY ACCESS AGREEMENTS FOR ALL PROPERTIES EXCEPT SITE 1E, WHICH WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

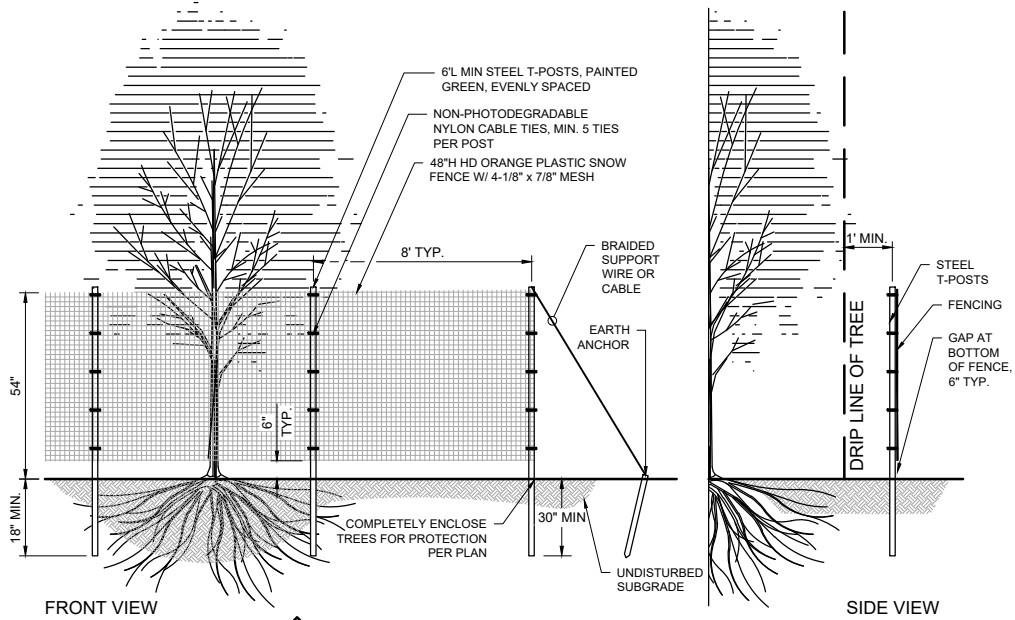
NUMBER	TREE
29	14.2IN BOX ELDER
30	6.5IN AMERICAN ELM
31	23.5IN AMERICAN ELM
45	15IN AMERICAN ELM
46	14.4IN BOX ELDER
47	19.3IN BOX ELDER
48	12.2IN BLACK CHERRY
52	19.6IN BOX ELDER
53	9.7IN AMERICAN ELM
54	6IN BUCKTHORN
55	11.2IN BUCKTHORN
56	14.8IN BLACK CHERRY
57	6IN BUCKTHORN
60	7IN BUCKTHORN
61	7.2IN BOX ELDER
62	14.2IN BOX ELDER
63	11.1IN BOX ELDER
64	9.4IN BOX ELDER
65	7.5IN BUCKTHORN
67	8.3IN BOX ELDER
74	12.5IN BOX ELDER
75	9.5IN BUCKTHORN
83	7.1IN BUCKTHORN
84	6.4IN BUCKTHORN
85	14.3IN BOX ELDER

86	7.6IN BOX ELDER
110	15.9IN AMERICAN ELM
111	12.4IN RED OAK
117	9.8IN BOX ELDER
118	8.9IN
119	8.6IN BOX ELDER
121	12.8IN
122	12.2IN BOX ELDER
134	10.4IN BOX ELDER
135	6IN BUCKTHORN
136	19IN BOX ELDER
141	6.6IN BUCKTHORN
142	12.2IN BOX ELDER
148	8.4IN BUCKTHORN
153	13.5IN BOX ELDER
154	19.2IN AMERICAN ELM
165	12.3IN BOX ELDER
166	10.9IN BOX ELDER
175	10.3IN BOX ELDER
176	7.6IN BOX ELDER
177	14.5IN BOX ELDER
178	68.6IN SILVER MAPLE
184	18.9IN BOX ELDER
185	6.4IN PIN OAK
186	6.1IN BUCKTHORN
188	10.9IN BOX ELDER

189	6.5IN BUCKTHORN
195	13.1IN HACKBERRY
198	14.2IN BOX ELDER
199	14IN BOX ELDER
345	8.7IN BLACK CHERRY
346	11.4IN RED OAK
357	6.4IN BLACK CHERRY
358	6IN BUCKTHORN
359	12.5IN BOX ELDER
363	19.1IN BOX ELDER
364	23.7IN BOX ELDER
366	17.2IN BOX ELDER
367	12.7IN HACKBERRY
368	12.9IN BOX ELDER
375	12.2IN BOX ELDER
376	14IN BOX ELDER
377	7.1IN BOX ELDER
378	7.4IN BOX ELDER
380	20IN COTTONWOOD
381	26.4IN BOX ELDER
383	6.4IN BOX ELDER
384	8.8IN BOX ELDER

NOTES:

- ENSURE FENCE IS PULLED TAUGHT BETWEEN POSTS AND ANCHOR SECURELY AS SHOWN. ENSURE CABLE TIES ARE PULLED TAUGHT AGAINST POST TO PREVENT SLIPPING.
- PROVIDE 6" TYP. SPACE AT BOTTOM OF FENCE AS SHOWN TO PREVENT SMALL ANIMAL ENTRAPMENT IN FENCED AREA.
- ENSURE CABLE TIES ARE EXTREME WEATHER COLD TEMPERATURE U.V. STABILIZED TIES.
- T-POSTS SHALL BE STUDDED FOR CABLE TIE ATTACHMENT
- INSPECT FENCE REGULARLY AND REPAIR TO MAINTAIN OR REPLACE AS NECESSARY THROUGHOUT THE TERM OF THE PROJECT.



2 DETAIL: TREE PROTECTION FENCE
NOT TO SCALE

2710 CARVER AVE E

LEGEND

- 940 EXISTING INDEX CONTOUR (50')
- 939 EXISTING INTERMEDIATE CONTOUR (10')
- EXISTING ROAD/TRAIL
- EXISTING PROPERTY LINE
- CONSTRUCTION LIMITS
- EXISTING CHANNEL OR TRIBUTARY CENTERLINE
- EXISTING TREE, TO REMAIN
- CONSTRUCTION ENTRANCE/EXIT
- RIPRAP, EXISTING
- OE OVERHEAD ELECTRIC, EXISTING
- SAN UNDERGROUND SANITARY SEWER, EXISTING
- SS UNDERGROUND STORM SEWER, EXISTING
- CULVERT, EXISTING
- UE UNDERGROUND ELECTRIC, EXISTING
- GAS UNDERGROUND GAS, EXISTING
- UT UNDERGROUND TELEPHONE, EXISTING
- X FENCELINE, EXISTING
- STEEP SLOPES (3:1 AND GREATER)
- PP POWER POLE, EXISTING
- TREE PROTECTION FENCE
- TREE, FOR REMOVAL
- STORMWATER FLOW DIRECTION
- ESMT NEW EASEMENT BOUNDARY
- ESMT EASEMENT BOUNDARY, EXISTING
- SL SEDIMENT LOG
- SC FLOATING SILT CURTAIN

1 PLAN: OVERALL SITE ACCESS, EROSION CONTROL, AND REMOVALS - NORTH

0 30 60
SCALE IN FEET

BARR
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435

PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 1010411545



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
SITE ACCESS, EROSION CONTROL, AND
REMOVALS PLAN - NORTH

DRAFT
ISSUED FOR BID
(NOT FOR CONSTRUCTION)

BARR PROJECT #
2362147000
DWG #
C-01
REV #
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A	JMD3	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION

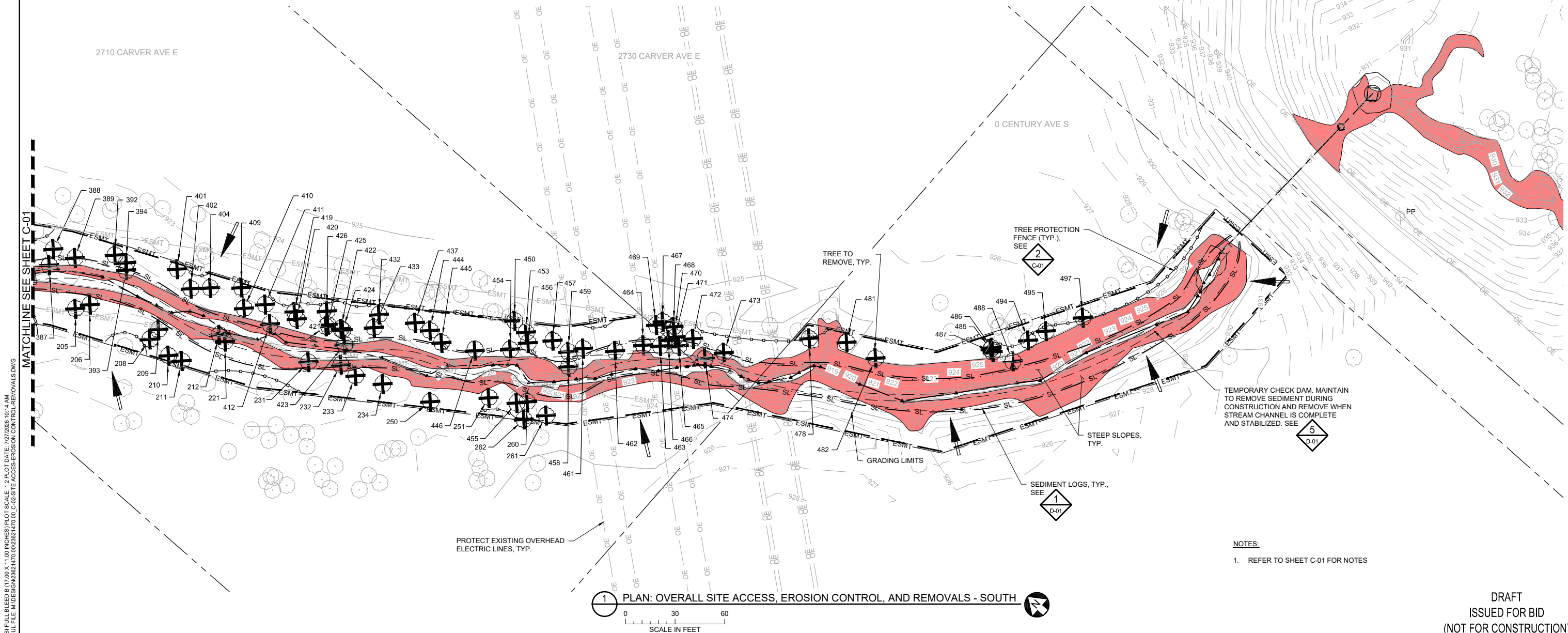
LEGEND

	940	EXISTING INDEX CONTOUR (5')
	939	EXISTING INTERMEDIATE CONTOUR (1')
		EXISTING ROAD/TRAIL
		EXISTING PROPERTY LINE
		CONSTRUCTION LIMITS
		EXISTING CHANNEL OR TRIBUTARY CENTERLINE
		EXISTING TREE, TO REMAIN
		CONSTRUCTION ENTRANCE/EXIT
		RIPRAP, EXISTING
	OE	OVERHEAD ELECTRIC, EXISTING
	SAN	UNDERGROUND SANITARY SEWER, EXISTING
	SS	UNDERGROUND STORM SEWER, EXISTING
		CULVERT, EXISTING
	UE	UNDERGROUND ELECTRIC, EXISTING
	GAS	UNDERGROUND GAS, EXISTING
	UT	UNDERGROUND TELEPHONE
	X	FENCELINE, EXISTING
		STEEP SLOPES (3:1 AND GREATER)
	PP	POWER POLE, EXISTING
		TREE PROTECTION FENCE
		TREE, FOR REMOVAL
		STORMWATER FLOW DIRECTION
	ESMT	NEW EASEMENT BOUNDARY
	ESMT	EASEMENT BOUNDARY, EXISTING
	SL	SEDIMENT LOG
	SC	FLOATING SILT CURTAIN

NUMBER	TREE
205	15.6IN BOX ELDER
206	21.1IN WHITE OAK
208	13.3IN BOX ELDER
209	7.5IN BOX ELDER
210	5IN BUCKTHORN
211	6.2IN BUCKTHORN
212	14IN ASPEN
221	14.4IN BOX ELDER
231	9.6IN BOX ELDER
232	11.3IN BOX ELDER
233	29.5IN AMERICAN ELM
234	7IN BOX ELDER
250	13.1IN BUCKTHORN
251	13.9IN AMERICAN BASSWOOD
260	10IN BOX ELDER
261	9.3IN GREEN ASH
262	11IN GREEN ASH
387	7IN BOX ELDER
388	8.7IN BOX ELDER
389	13.4IN BOX ELDER
392	11.4IN BOX ELDER
393	23.3IN AMERICAN ELM
394	6.4IN BOX ELDER
401	16.7IN BOX ELDER

402	7.7IN BOX ELDER
404	9.5IN BOX ELDER
409	13IN ASPEN
410	7.5IN BUCKTHORN
411	8.2IN BOX ELDER
412	13IN ASPEN
419	7.6IN BUCKTHORN
420	6.7IN BOX ELDER
422	14.3IN WHITE OAK
423	10.7IN BLACK CHERRY
425	29.7IN COTTONWOOD
426	7.4IN BOX ELDER
432	11.1IN ASPEN
433	21IN COTTONWOOD
437	7.2IN BOX ELDER
444	23.2IN GREEN ASH
445	45IN COTTONWOOD
446	14.2IN SWAMP WHITE OAK
450	17.4IN RED OAK
453	9.5IN BUCKTHORN
454	8IN BUR OAK
455	9.2IN BOX ELDER
456	10.3IN BOX ELDER
457	8.5IN BOX ELDER
458	11.6IN BOX ELDER

459	15.3IN BOX ELDER
461	14.3IN BOX ELDER
462	12.6IN BOX ELDER
463	10IN BOX ELDER
464	12.2IN BOX ELDER
465	10.9IN BOX ELDER
466	14.3IN BOX ELDER
467	13.8IN BOX ELDER
468	6.1IN BUCKTHORN
469	10.8IN BOX ELDER
470	8IN BOX ELDER
471	8.1IN BOX ELDER
472	11.8IN BOX ELDER
473	10.5IN SWAMP WHITE OAK
474	7.3IN BOX ELDER
478	7.9IN BOX ELDER
481	23.1IN BOX ELDER
482	6.6IN GREEN ASH
485	19.7IN BOX ELDER
486	11.8IN BOX ELDER
487	9.9IN BOX ELDER
488	8.1IN BOX ELDER
494	8.5IN BOX ELDER
495	19.7IN BOX ELDER
497	19.7IN BOX ELDER



NOTES:
1. REFER TO SHEET C-01 FOR NOTES

1 PLAN: OVERALL SITE ACCESS, EROSION CONTROL, AND REMOVALS - SOUTH

ORIGINAL DRAWING SIZE: ANSI FULL BLEED B (17.00 X 11.00 INCHES) PLOT SCALE: 1/2 PLOT DATE: 7/27/2026 10:14 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\236214700\236214700_00_C-02-SITE ACCESS-EROSION CONTROL-REMOVALS.DWG

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A	JMD3	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID

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MINNESOTA ENGINEERING FIRM
NUMBER 1010411545

RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN SITE ACCESS, EROSION CONTROL, AND REMOVALS PLAN - SOUTH	BARR PROJECT # 2362147000 DWG # C-02 REV # A
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ORIGINAL DRAWING SIZE: ANSI FULL BLEED 9 (17.00 X 11.00 INCHES) PLOT SCALE: 1:2 PLOT DATE: 7/27/2026 10:15 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\236214700\03-OVERALL SITE PLAN.DWG

NOTES:

- EXISTING CONTOUR DATA IS BASED ON SURVEYS PERFORMED BY BARR ENGINEERING NOVEMBER 2020 AS SUPPLEMENTED WITH LIDAR DATA. BARR OBTAINED LIDAR DATA FROM MNDNR IN 2020.
- EXISTING PROPERTY BOUNDARY LINES FROM PARCEL BOUNDARY SURVEY BY NORTHWESTERN SURVEYING AND ENGINEERING, APRIL 16, 2021, AND SUPPLEMENTED BY PROPERTY PARCEL LINE DATA FROM ST. LOUIS COUNTY, PROVIDED TO BARR AS RE-PROJECTED GIS SHAPEFILE, DECEMBER 29, 2020.
- CONTRACTOR IS RESPONSIBLE TO LOCATE AND FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO WORK.
- ALL EXISTING ROADS, PARKING LOTS, TRAILS, FENCES, SIGNS, OR SIMILAR SHALL BE PROTECTED DURING CONSTRUCTION EXCEPT WHERE NOTED ON PLANS. CONTRACTOR IS RESPONSIBLE TO COORDINATE SURVEYS WITH THE CITY AND/OR OWNER TO DOCUMENT PRE-CONSTRUCTION EXISTING CONDITION ISSUES.
- CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL BMPs PRIOR TO COMMENCEMENT OF GRADING FOR EACH LOCATION DURING CONSTRUCTION. EROSION CONTROL PLANS ARE PROVIDED INSIDE THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- DISTURBANCE AREA IS APPROXIMATE, AS MEASURED PER PLAN. ADJUSTMENTS MAY BE REQUIRED PER FIELD CONDITIONS ENCOUNTERED.
- RMWMD HAS OBTAINED PROPERTY ACCESS AGREEMENTS FOR ALL PROPERTIES AND ACQUIRED PERMANENT EASEMENTS AS SHOWN ON THE PLANS.

1 PLAN: OVERALL SITE
0 60 120
SCALE IN FEET

BARR
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435
PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 10104111545



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN

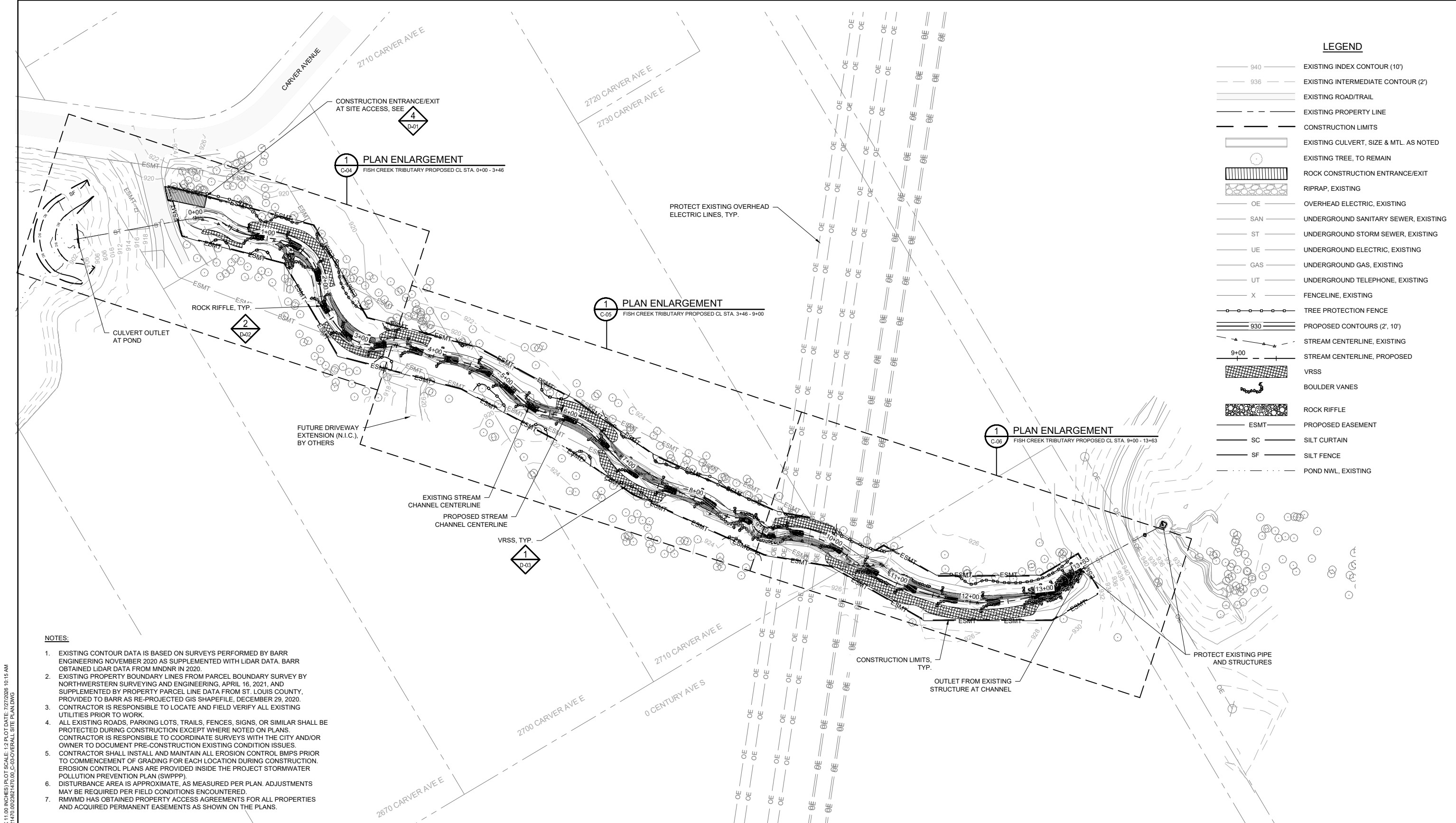
OVERALL SITE PLAN

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ISSUED FOR BID
(NOT FOR CONSTRUCTION)

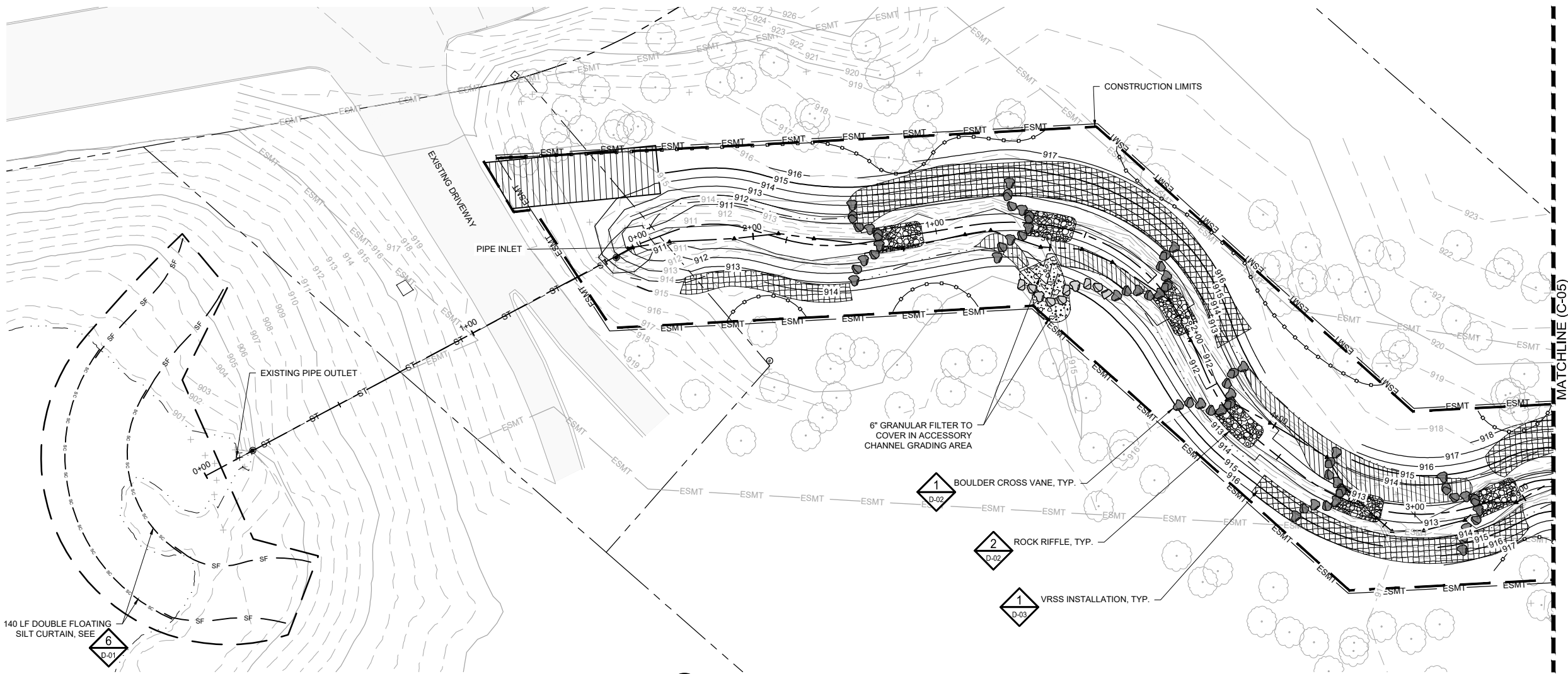
BARR PROJECT #
2362147000
DWG #
C-03
REV #
A

LEGEND

- 940 EXISTING INDEX CONTOUR (10')
- 936 EXISTING INTERMEDIATE CONTOUR (2')
- EXISTING ROAD/TRAIL
- EXISTING PROPERTY LINE
- CONSTRUCTION LIMITS
- EXISTING CULVERT, SIZE & MTL. AS NOTED
- EXISTING TREE, TO REMAIN
- ROCK CONSTRUCTION ENTRANCE/EXIT
- RIPRAP, EXISTING
- OE OVERHEAD ELECTRIC, EXISTING
- SAN UNDERGROUND SANITARY SEWER, EXISTING
- ST UNDERGROUND STORM SEWER, EXISTING
- UE UNDERGROUND ELECTRIC, EXISTING
- GAS UNDERGROUND GAS, EXISTING
- UT UNDERGROUND TELEPHONE, EXISTING
- X FENCELINE, EXISTING
- Tree Protection Fence
- 930 PROPOSED CONTOURS (2', 10')
- Stream Centerline, Existing
- Stream Centerline, Proposed
- VRSS
- BOULDER VANES
- ROCK RIFFLE
- ESMT PROPOSED EASEMENT
- SC SILT CURTAIN
- SF SILT FENCE
- POND NWL, EXISTING



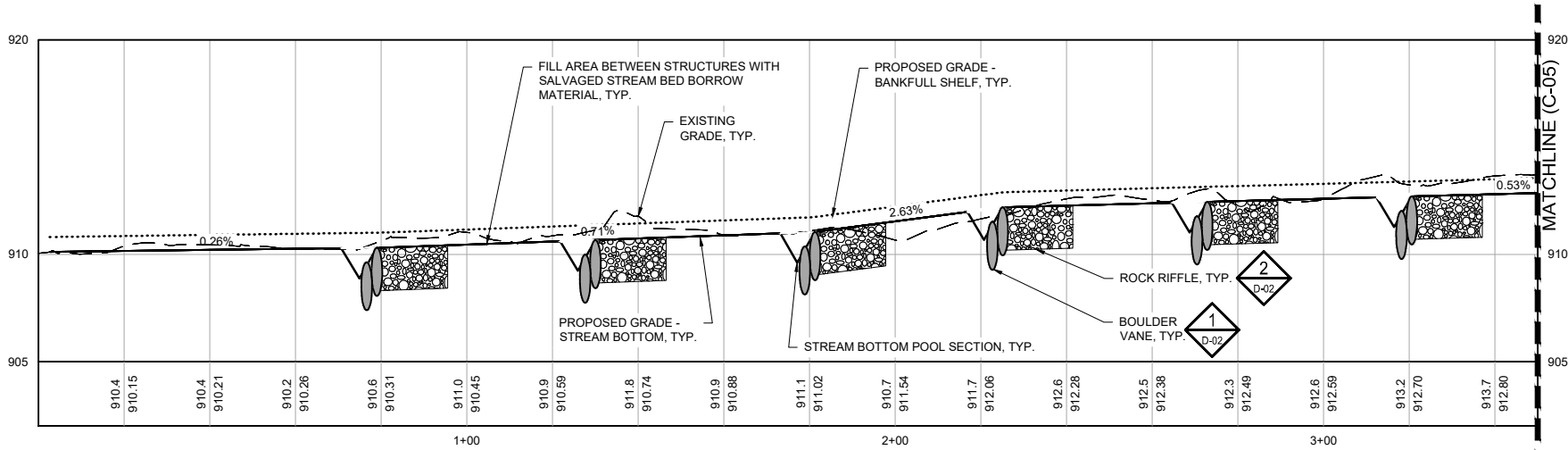
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1 PLAN: PROPOSED STA. 0+00 - 3+46

NOTES:

1. OVERHEAD POWER LINE LOCATION IS APPROXIMATE & DERIVED FROM AVAILABLE GIS & AERIAL DATA. CONTRACTOR TO CONFIRM LOCATION IN FIELD.



2 PROFILE: PROPOSED STA. 0+00 - 3+46

STATION	FEATURE	THALWEG ELEVATION	BANKFULL ELEVATION	RIFFLE LENGTH (FT)
3+37	ROCK RIFFLE START	912.8	913.5	17
3+20	CROSS VANE/ROCK RIFFLE END	912.7	913.4	
2+89	ROCK RIFFLE START	912.5	913.2	16
2+73	CROSS VANE/ROCK RIFFLE END	912.4	913.1	
2+41	ROCK RIFFLE START	912.3	913.0	16
2+25	CROSS VANE/ROCK RIFFLE END	912.2	912.9	
1+98	ROCK RIFFLE START	911.5	912.2	17
1+81	CROSS VANE/ROCK RIFFLE END	911.0	911.7	
1+46	ROCK RIFFLE START	910.8	911.5	16
1+30	CROSS VANE/ROCK RIFFLE END	910.7	911.4	
0+95	ROCK RIFFLE START	910.4	911.1	16
0+79	CROSS VANE/ROCK RIFFLE END	910.3	911.0	

3 TABLE: PROPOSED STA. 0+00 - 3+46 STRUCTURES
NOT TO SCALE

LEGEND

- 940 EXISTING INDEX (5') CONTOUR
- 939 EXISTING (1') INTERMEDIATE CONTOUR
- EXISTING ROAD/TRAIL
- EXISTING PROPERTY LINE
- CONSTRUCTION LIMITS
- EXISTING TREE, TO REMAIN
- CONSTRUCTION ENTRANCE / EXIT
- RIPRAP, EXISTING
- OE OVERHEAD ELECTRIC, EXISTING
- SAN UNDERGROUND SANITARY SEWER, EXISTING
- ST UNDERGROUND STORM SEWER, EXISTING
- UE UNDERGROUND ELECTRIC, EXISTING
- GAS UNDERGROUND GAS, EXISTING
- UT UNDERGROUND TELEPHONE, EXISTING
- X FENCELINE, EXISTING
- Tree Protection Fence
- 925 PROPOSED INDEX (5') CONTOUR
- 924 PROPOSED INTERMEDIATE (1') CONTOUR
- Stream Centerline, Existing
- Stream Centerline, Proposed
- VRSS
- Boulder Vanes
- Rock Riffle
- ESMT PROPOSED EASEMENT
- ESMT EASEMENT, EXISTING
- SC SILT CURTAIN
- SF SILT FENCE
- POND NWL, EXISTING

DRAFT
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(NOT FOR CONSTRUCTION)

#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION
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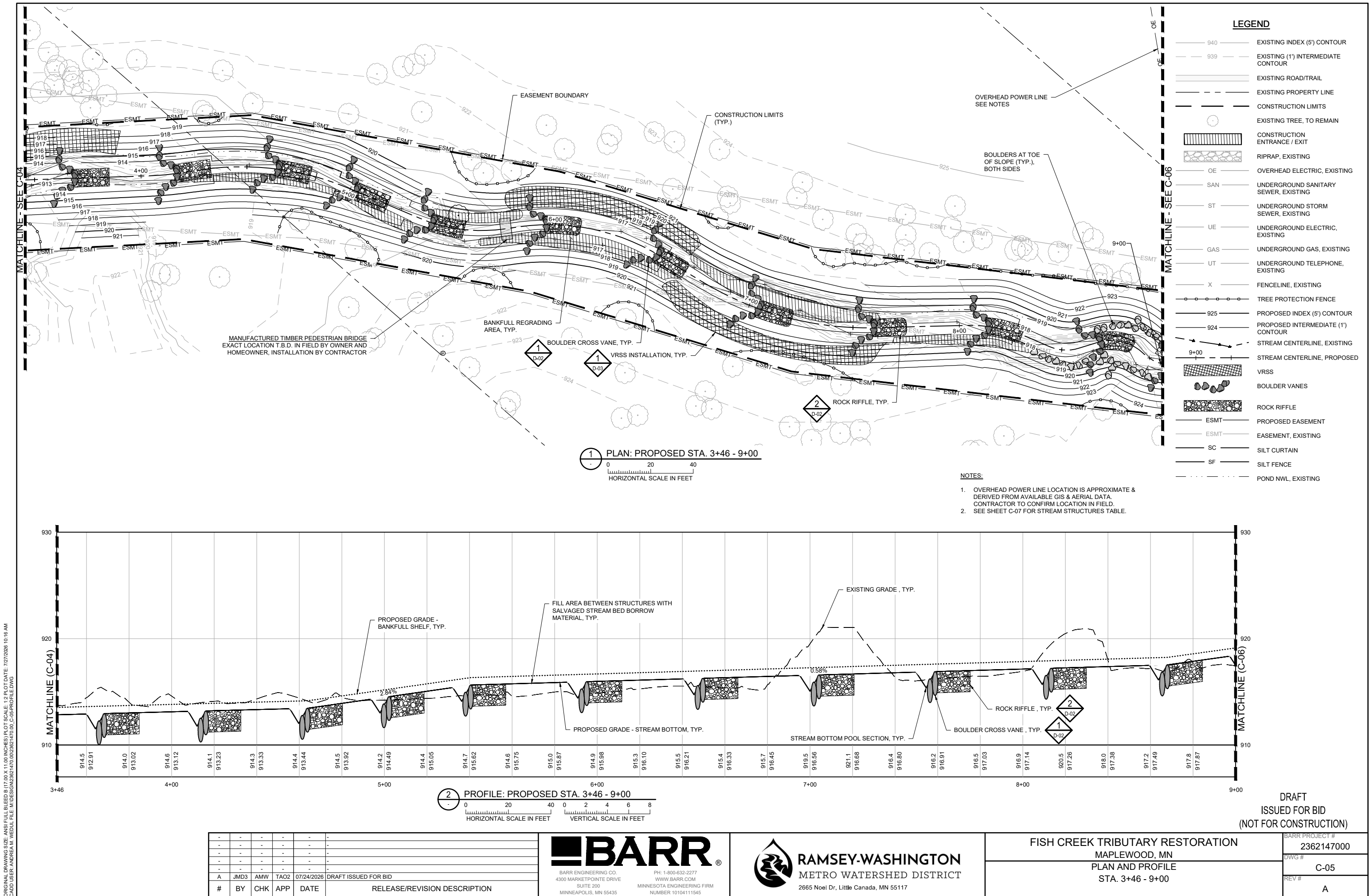
BARR
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
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MINNEAPOLIS, MN 55435
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MINNESOTA ENGINEERING FIRM
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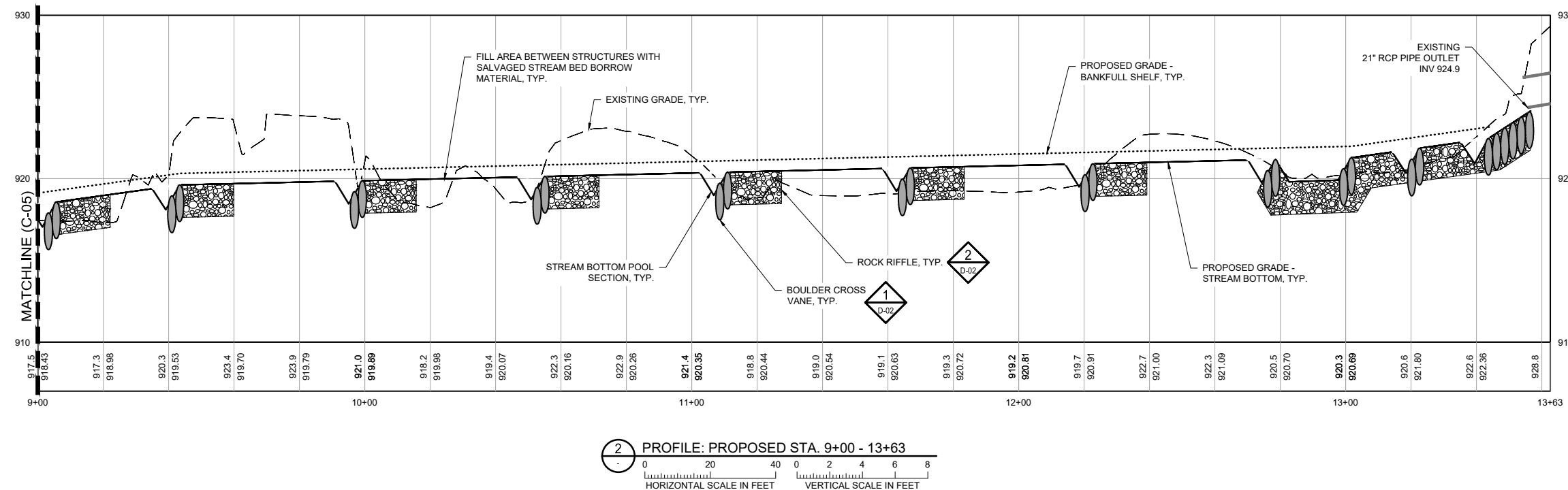
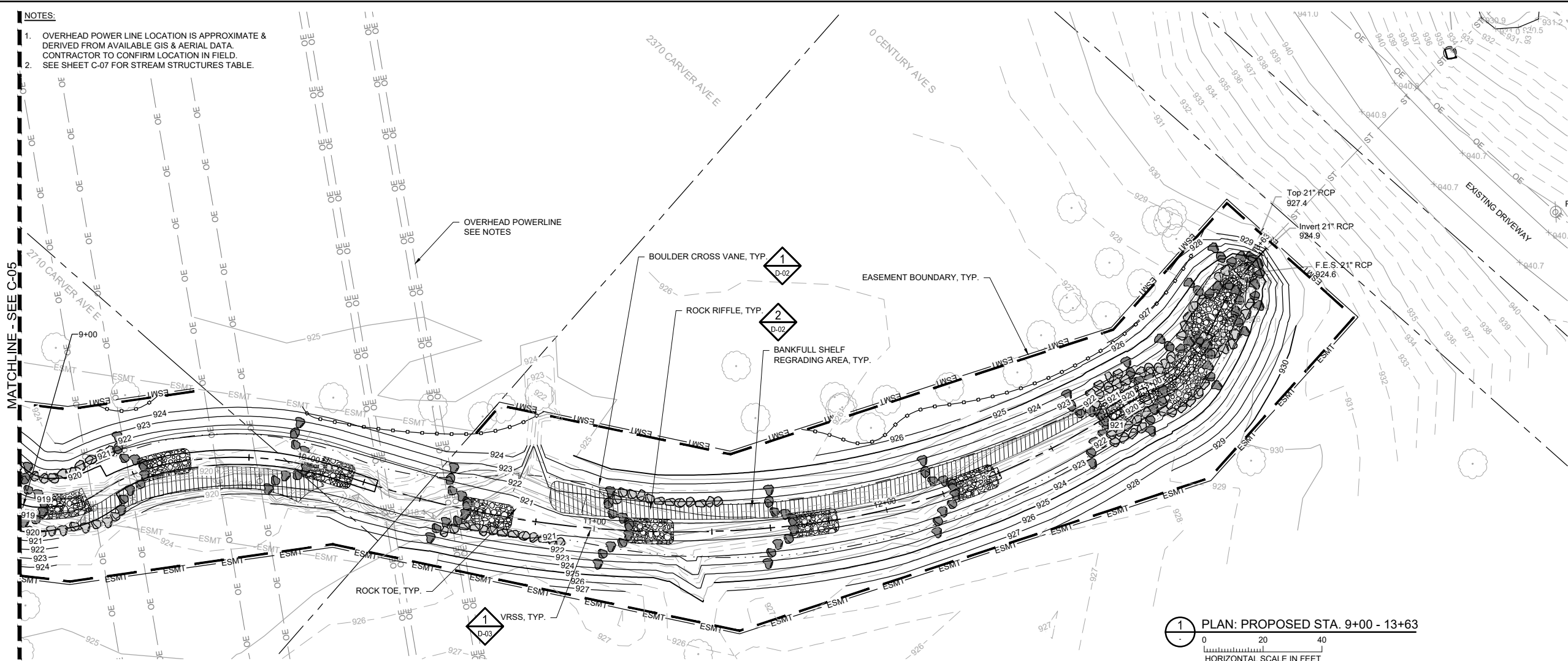
FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
PLAN AND PROFILE
STA. 0+00 - 3+46

BARR PROJECT #	2362147000
DWG #	C-04
REV #	A

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MATCHLINE - SEE C-05



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A	JMD3	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID

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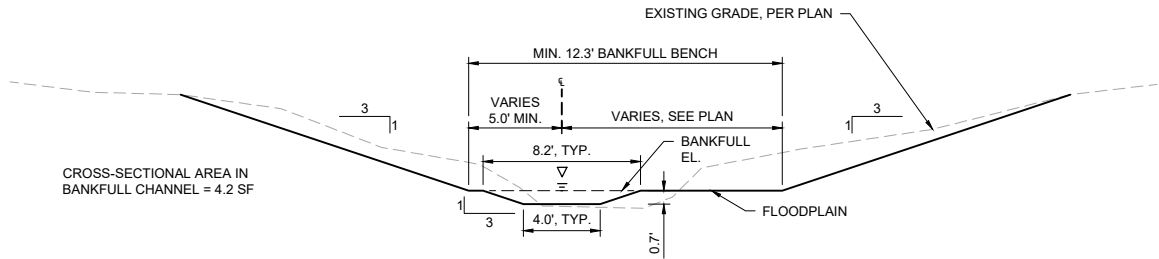
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METRO WATERSHED DISTRICT

2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
PLAN AND PROFILE
STA. 9+00 - 13+63

BARR PROJECT #	2362147000
DWG #	C-06
REV #	A

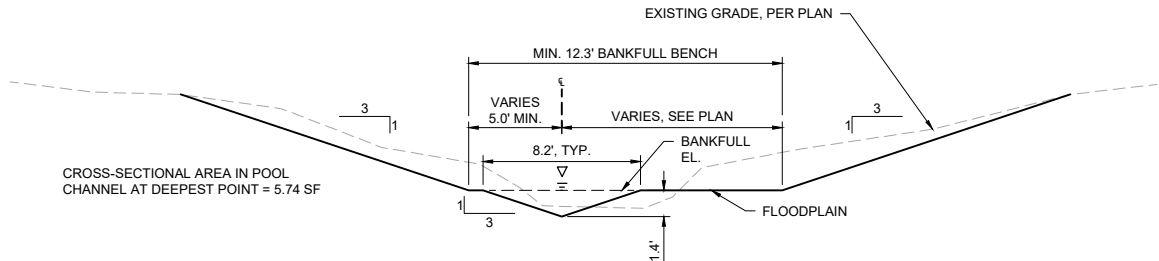
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NOTES:

1. PLACE EROSION CONTROL FABRIC ON ALL CHANNEL BANKS AND ANY OVERBANK GRADING STEEPER THAN 3H:1V.
2. CHANNEL WIDTH AND DEPTH VARIES, MINIMUM DIMENSIONS SHOWN. GRADE CHANNEL TO MINIMIZE FILL VOLUMES AND MAINTAIN SLOPES NO STEEPER THAN 2H:1V.

1 SECTION: STREAM CHANNEL, TYPICAL
NOT TO SCALE



NOTES:

1. PLACE EROSION CONTROL FABRIC ON ALL CHANNEL BANKS AND ANY OVERBANK GRADING STEEPER THAN 3H:1V.
2. POOL WIDTH AND DEPTH VARIES, TYPICAL DIMENSIONS SHOWN. GRADE POOL TO MINIMIZE FILL VOLUMES AND MAINTAIN SLOPES NO STEEPER THAN 2H:1V.

2 SECTION: POOL, TYPICAL
NOT TO SCALE

STATION	FEATURE	THALWEG ELEVATION	BANKFULL ELEVATION	RIFFLE LENGTH (FT)
8+84	ROCK RIFFLE START	918.0	918.7	16
8+68	CROSS VANE/ROCK RIFFLE END	917.5	918.2	
8+30	ROCK RIFFLE START	917.3	918.0	17
8+13	CROSS VANE/ROCK RIFFLE END	917.2	917.9	
7+75	ROCK RIFFLE START	917.0	917.7	16
7+59	CROSS VANE/ROCK RIFFLE END	916.9	917.6	
7+21	ROCK RIFFLE START	916.7	917.4	17
7+04	CROSS VANE/ROCK RIFFLE END	916.6	917.3	
6+66	ROCK RIFFLE START	916.4	917.1	16
6+50	CROSS VANE/ROCK RIFFLE END	916.3	917.0	
6+12	ROCK RIFFLE START	916.0	916.7	17
5+95	CROSS VANE/ROCK RIFFLE END	915.9	916.6	
5+57	ROCK RIFFLE START	915.7	916.4	16
5+41	CROSS VANE/ROCK RIFFLE END	915.6	916.3	
5+19	ROCK RIFFLE START	915.0	915.7	17
5+02	CROSS VANE/ROCK RIFFLE END	914.6	915.3	
4+80	ROCK RIFFLE START	913.9	914.6	16
4+64	CROSS VANE/ROCK RIFFLE END	913.5	914.2	
4+33	ROCK RIFFLE START	913.3	914.0	17
4+16	CROSS VANE/ROCK RIFFLE END	913.2	913.9	
3+85	ROCK RIFFLE START	913.0	913.7	17
3+68	CROSS VANE/ROCK RIFFLE END	912.9	913.6	

3 TABLE: PROPOSED STA. 3+46 - 9+00 STRUCTURES
NOT TO SCALE

STATION	FEATURE	THALWEG ELEVATION	BANKFULL ELEVATION	RIFFLE LENGTH (FT)
13+56	STEP POOL START	924.1	924.8	
13+44	STEP POOL END/ROCK RIFFLE START	922.5	923.2	65
13+23	CROSS VANE	921.9	922.6	
13+02	SCOUR POOL START	921.3	922.0	
12+79	SCOUR POOL END/RIFFLE END/CROSS VANE	921.2	921.9	
12+39	ROCK RIFFLE START	921.0	921.7	16
12+23	CROSS VANE/ROCK RIFFLE END	920.9	921.6	
11+83	ROCK RIFFLE START	920.8	921.5	16
11+67	CROSS VANE/ROCK RIFFLE END	920.7	921.4	
11+27	ROCK RIFFLE START	920.5	921.2	16
11+11	CROSS VANE/ROCK RIFFLE END	920.4	921.1	
10+72	ROCK RIFFLE START	920.2	920.9	17
10+55	CROSS VANE/ROCK RIFFLE END	920.1	920.8	
10+16	ROCK RIFFLE START	920.0	920.7	17
9+99	CROSS VANE/ROCK RIFFLE END	919.9	920.6	
9+60	ROCK RIFFLE START	919.7	920.4	17
9+43	CROSS VANE/ROCK RIFFLE END	919.6	920.3	
9+22	ROCK RIFFLE START	919.0	919.7	16
9+06	CROSS VANE/ROCK RIFFLE END	918.6	919.3	

4 TABLE: PROPOSED STA. 9+00 - 13+63 STRUCTURES
NOT TO SCALE

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(NOT FOR CONSTRUCTION)

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A	JMD3	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID	
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION	



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NUMBER 10104111545



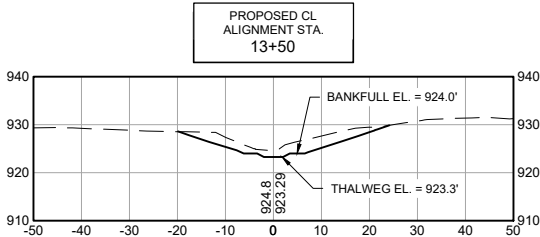
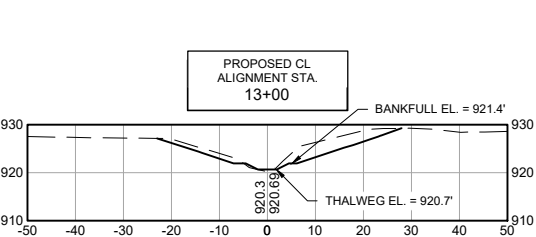
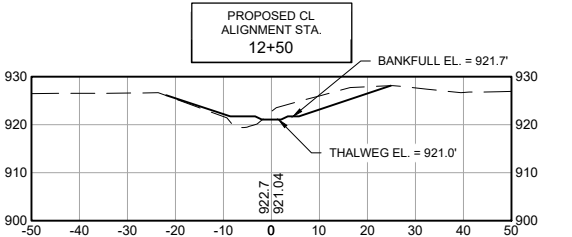
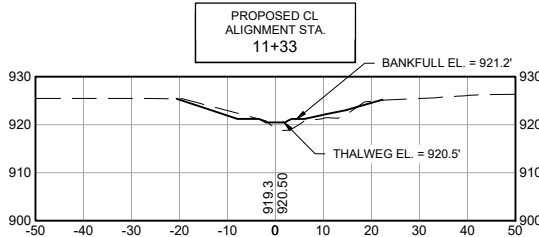
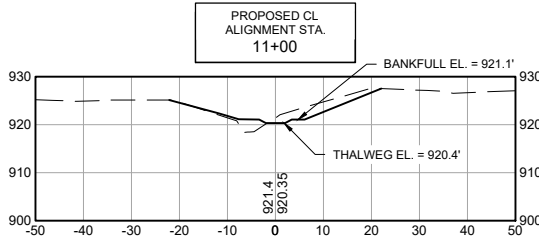
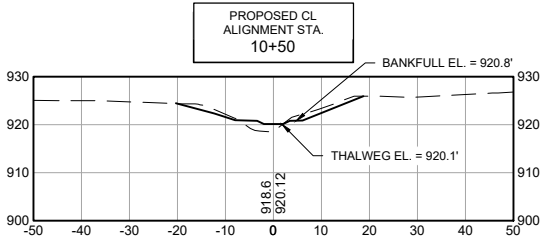
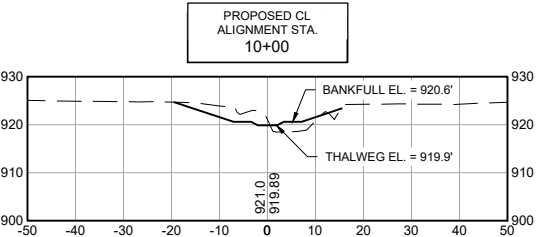
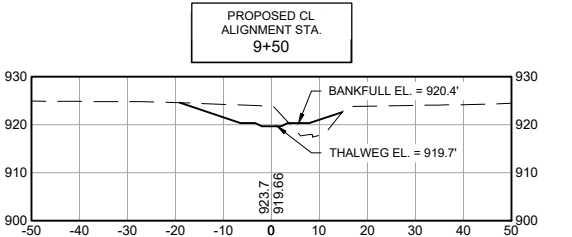
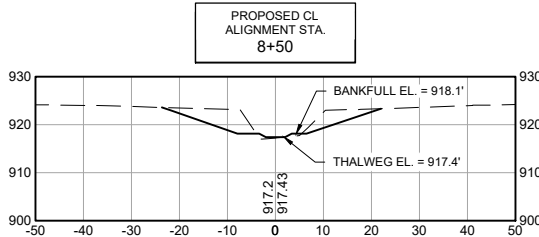
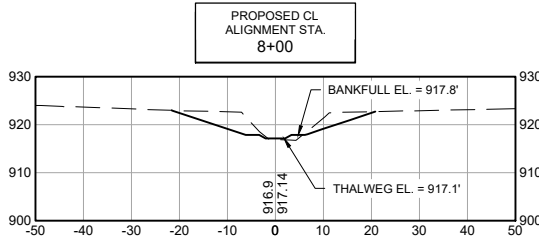
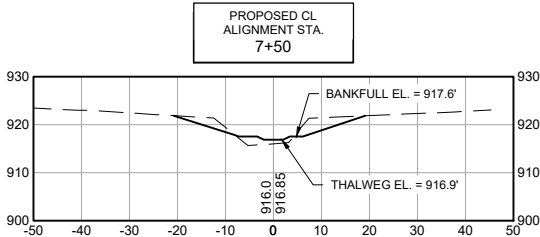
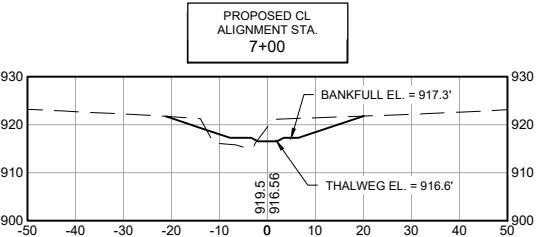
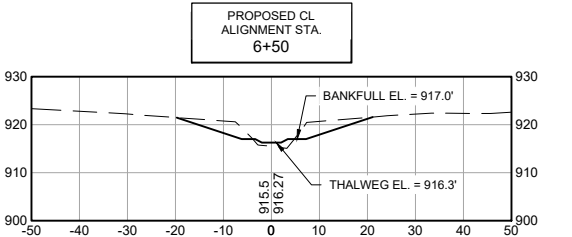
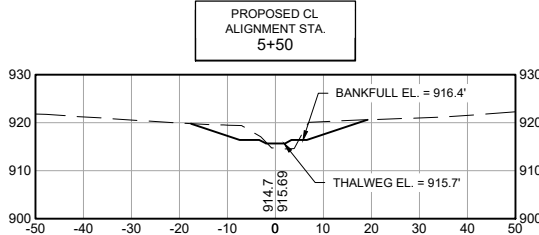
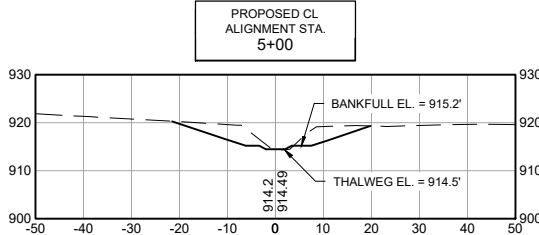
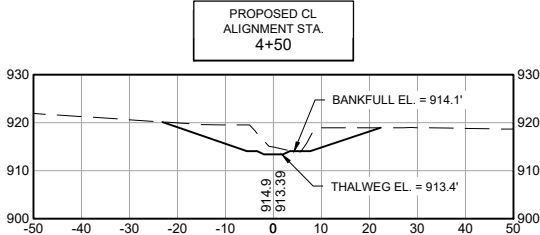
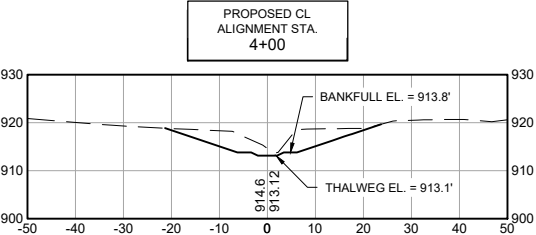
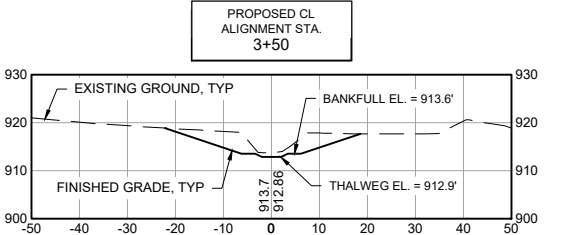
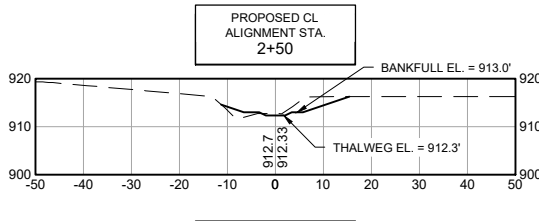
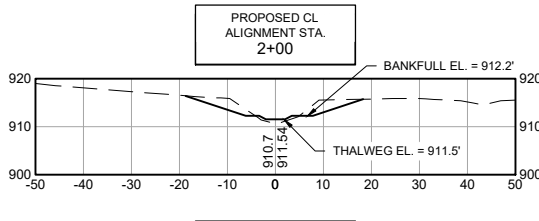
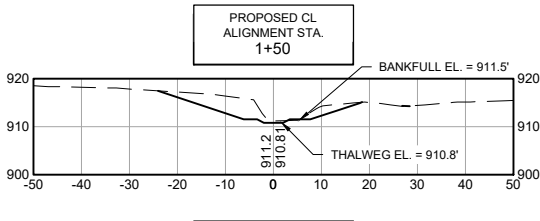
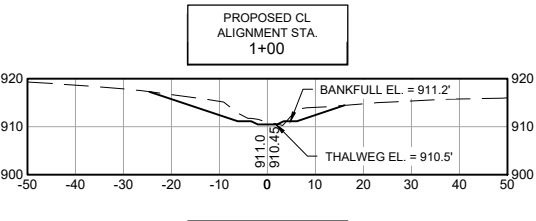
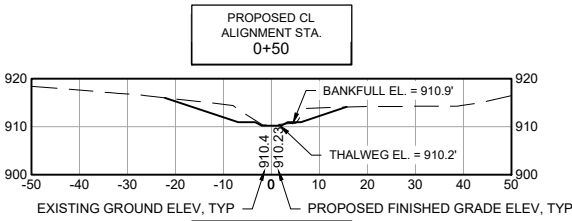
RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
TYPICAL SECTIONS AND
STRUCTURES TABLES

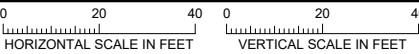
BARR PROJECT #	2362147000
DWG #	C-07
REV #	A

NOTES:

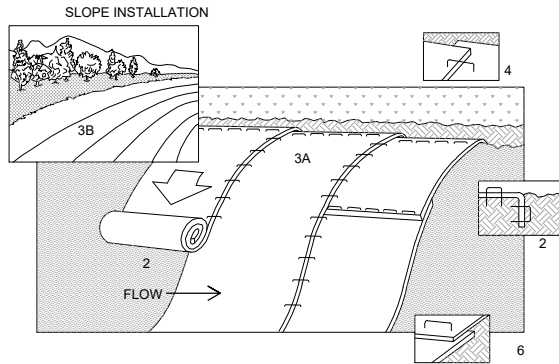
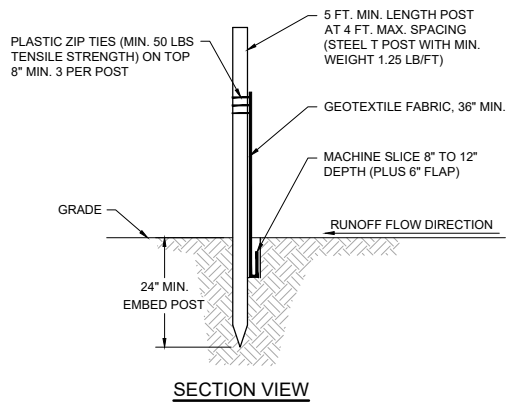
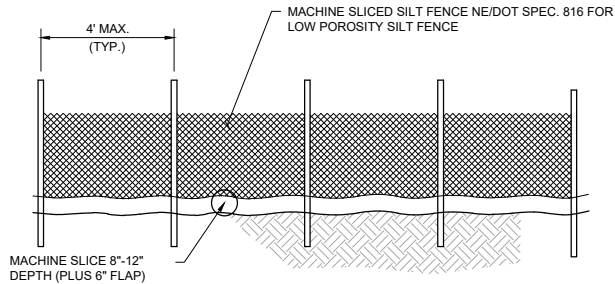
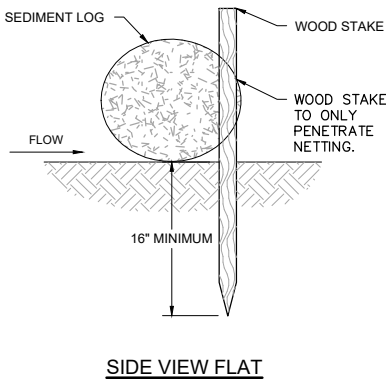
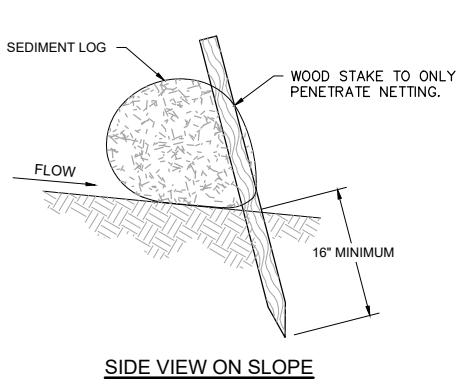
1. ALL CROSS SECTIONS REFLECT VIEW LOOKING IN DOWNSTREAM DIRECTION.



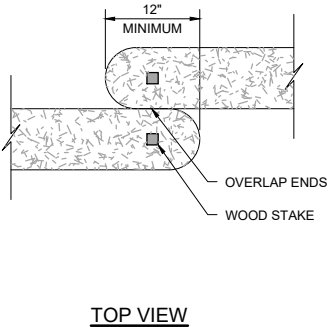
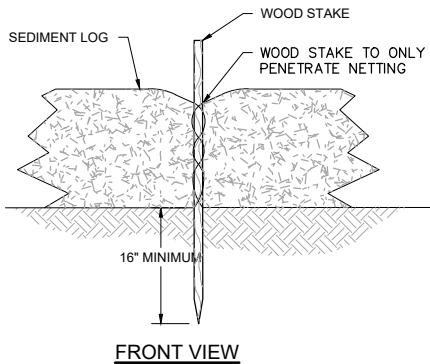
CROSS SECTIONS: CHANNEL (PROPOSED)



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A	EMB	AMW	TAC2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION



- NOTES:
1. REFER TO MANUFACTURER RECOMMENDATIONS FOR STAPLE PATTERNS FOR SLOPE INSTALLATIONS.
 2. PREPARE SOIL BY LOOSENING TOP 1-2 INCHES AND APPLY SEED (AND FERTILIZER WHERE REQUIRED) PRIOR TO INSTALLING BLANKETS. GROUND SHOULD BE SMOOTH AND FREE OF DEBRIS.
 3. BEGIN (A) AT THE TOP OF THE SLOPE AND ROLL THE BLANKETS DOWN OR (B) AT ONE END OF THE SLOPE AND ROLL THE BLANKETS HORIZONTALLY ACROSS THE SLOPE.
 4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 6" OVERLAP, WITH THE UPHILL BLANKET ON TOP.
 5. WHEN BLANKETS MUST BE SPICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.
 6. BLANKET MATERIALS SHALL BE AS SPECIFIED OR AS APPROVED BY ENGINEER.



- NOTES:
1. INSTALL SILT FENCE PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED AND MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD. REMOVE SILT FENCE AND ANY ACCUMULATED SEDIMENT IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
 2. SILT FENCE MATERIALS AND INSTALLATION SHALL MEET THE REQUIREMENTS OF NE/DOT SPEC. 816 FOR LOW POROSITY SILT FENCE.
 3. NO HOLES OR GAPS SHALL BE PRESENT IN/UNDER SILT FENCE. PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS.
 4. REMOVE ACCUMULATED SEDIMENT WHEN BUILD UP REACHES 1/3 OF FENCE HEIGHT. OR INSTALL A SECOND SILT FENCE DOWNSTREAM OF THE ORIGINAL FENCE AT A SUITABLE DISTANCE.
 5. WHEN SPICES ARE NECESSARY MAKE SPICE AT POST ACCORDING TO SPICE DETAIL. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE. ROTATE BOTH POSTS TOGETHER AT LEAST 180 DEGREES TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL. CUT THE FABRIC NEAR THE BOTTOM OF THE POSTS TO ACCOMMODATE THE 6 INCH FLAP, THEN DRIVE BOTH POSTS AND BURY THE FLAP AND COMPACT BACKFILL.

2 DETAIL: SILT FENCE - MACHINE SLICED
NOT TO SCALE

3 DETAIL: EROSION CONTROL BLANKET
NOT TO SCALE

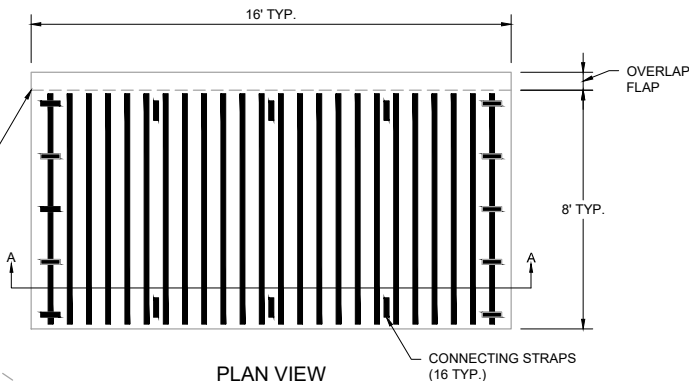
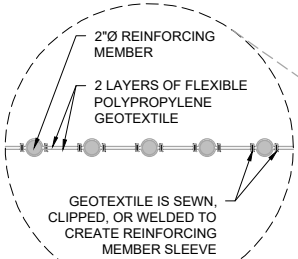
- NOTES:
1. INSTALL SEDIMENT CONTROL LOG ALONG CONTOURS (CONSTANT ELEVATION).
 2. NO GAPS SHALL BE PRESENT UNDER SEDIMENT CONTROL LOG. PREPARE AREA AS NEEDED TO SMOOTH SURFACE OR REMOVE DEBRIS.
 3. REMOVE ACCUMULATED SEDIMENT WHEN REACHING 1/3 OF LOG HEIGHT.
 4. MAINTAIN SEDIMENT CONTROL LOG THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIR OR REPLACED AS REQUIRED.

1 DETAIL: SEDIMENT CONTROL LOG
NOT TO SCALE

PROPERTY	TEST PROCEDURE	VALUE
Grab Tensile Strength	ASTM D4632	802.6 lbs.
Apparent Breaking Elongation	ASTM D4632	22% / 18%
Trapezoid Tearing Strength	ASTM D4533	607 lbs.
Puncture Resistance	ASTM D4833	374.3 lbs.
Mullen Burst	ASTM D3786	456.89 psi
Apparent Opening Size	ASTM D4751	70 US Sieve / 0.212mm
Constant Head Permittivity	ASTM D4491	20.16 g/min/ft
Wide Width Tensile	ASTM D4595	885.7 lbs./in.
Material	Woven Geotextile	100% Polypropylene

NOTE:
MATS SHIP IN 1.5' OR 450MM DAIMETER ROLLS WITH AN APPROXIMATE WEIGHT OF 90 LBS OR 40 KG PER MAT.

ENDS ARE SEWN OR CLIPPED SHUT TO CONFINE REINFORCING MEMBERS

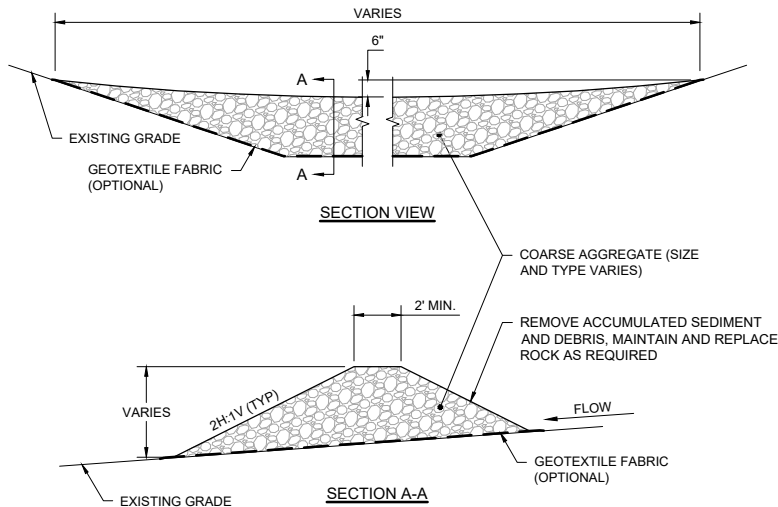


PLAN VIEW

SECTION VIEW

- NOTES:
1. ENTRANCE SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REPAIRED OR REPLACED AS REQUIRED TO PREVENT TRACKING OFFSITE.
 2. ENTRANCE SHALL BE REMOVED IN CONJUNCTION WITH FINAL GRADING AND SITE STABILIZATION.

4 DETAIL: CONSTRUCTION ENTRANCE/EXIT
NOT TO SCALE

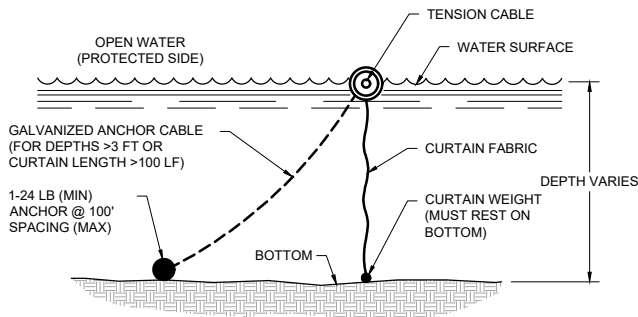


SECTION VIEW

SECTION A-A

- NOTES:
1. AGGREGATE SIZE MAY VARY AND DEPENDING ON CHANNEL SIZE, FLOW, SEDIMENT LOAD OR OTHER SITE CONDITIONS. AGGREGATE USED SHOULD BE RELATIVELY FREE OF SEDIMENT PRIOR TO INSTALLATION.
 2. ROCK CHECK DAM SHALL BE CLEANED OR REPLACED WHEN SEDIMENT BUILD UP REACHES 1/2 OF THE CHECK DAM HEIGHT. ALTERNATIVELY A SECOND CHECK DAM MAY BE INSTALLED DOWNSTREAM OF THE CHECK DAM AT A SUITABLE DISTANCE.
 3. ROCK CHECK DAM SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. ROCK, GEOTEXTILE AND ANY ACCUMULATED SEDIMENT SHALL BE REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
 4. INSTALL DOWNSTREAM OF IN-CHANNEL WORK AREAS WHERE STREAMFLOW IS PRESENT, AS DIRECTED BY ENGINEER.

5 DETAIL: ROCK CHECK DAM
NOT TO SCALE



- NOTES:
1. INSTALL SILT CURTAIN PRIOR TO ANY CONSTRUCTION ACTIVITIES IN AREAS DRAINING TO OPEN WATER OR WORK IN WATER.
 2. ANCHOR TENSION CABLE AT SHORE AT BOTH END WITH STEEL POSTS OF DIAMETER AND LENGTH SUFFICIENT TO PREVENT BENDING AND PULL-OUT.
 3. ELIMINATE ANCHOR AND CABLE FOR WATER DEPTHS LESS THAN 3'-0" OR DISTANCE BETWEEN SHORE ANCHORS FOR TENSION CABLE OF LESS THAN 100'
 4. CURTAIN WEIGHT SHALL BE HEAVY ENOUGH TO HOLD CURTAIN VERTICAL IN CURRENT AND WAVES TYPICAL FOR THE SITE.
 5. SILT CURTAIN MATERIALS SHALL CONFORM TO NE/DOT SPEC. 820 FOR TURBIDITY BARRIER.
 6. MAINTAIN SILT CURTAIN AND REPAIR OR REPLACE AS REQUIRED TO PREVENT DISCHARGE OF SEDIMENT TO PROTECTED WATER BODY.
 7. REMOVE ANY ACCUMULATED SEDIMENT PRIOR TO REMOVAL OF SILT CURTAIN.
 8. REMOVE SILT CURTAIN FOLLOWING SITE STABILIZATION OR AS DIRECTED BY ENGINEER.

6 DETAIL: FLOATING SILT CURTAIN
NOT TO SCALE

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A	EMB	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION

BARR
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435
PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 10104111545

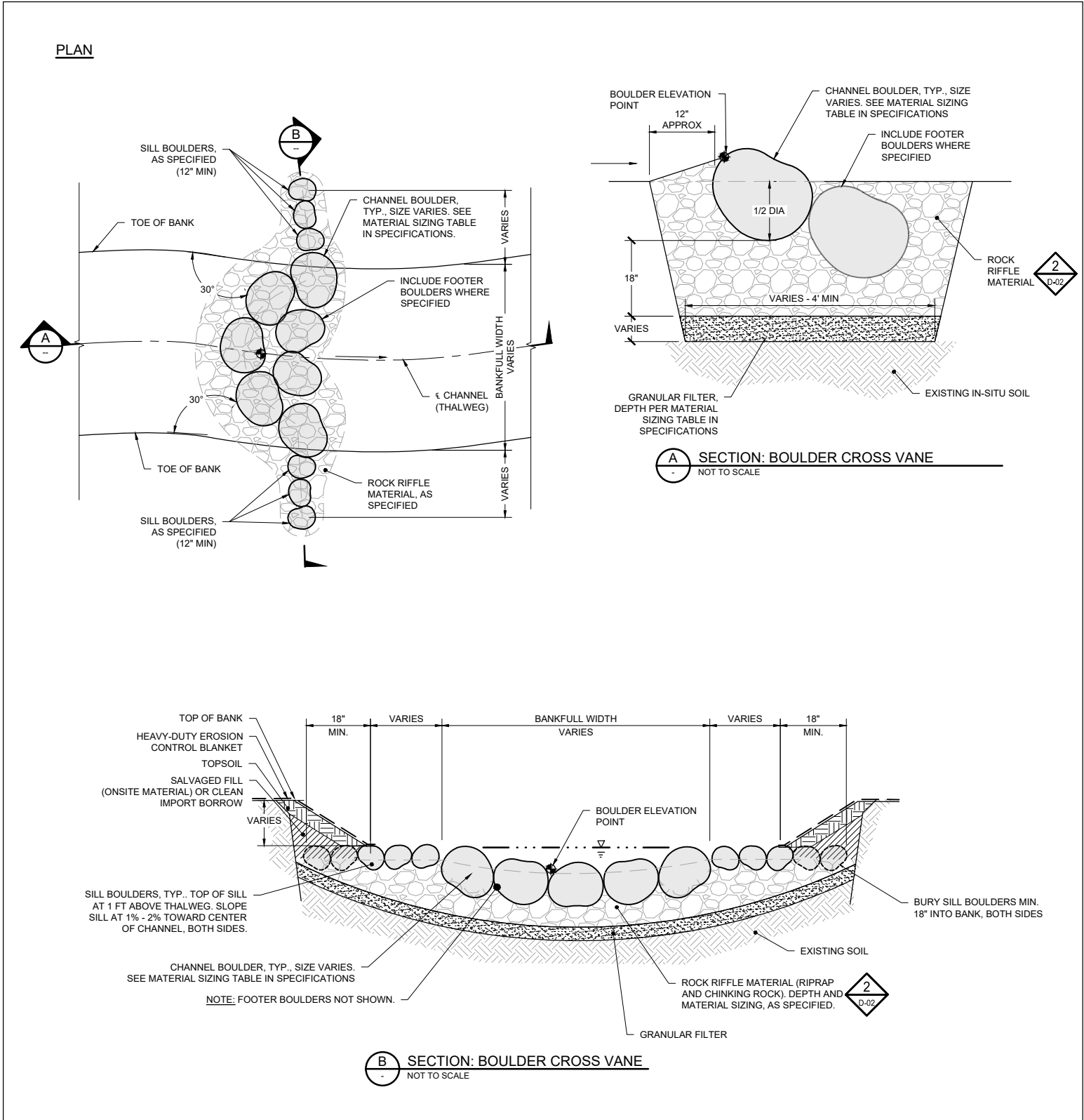
RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
EROSION CONTROL DETAILS

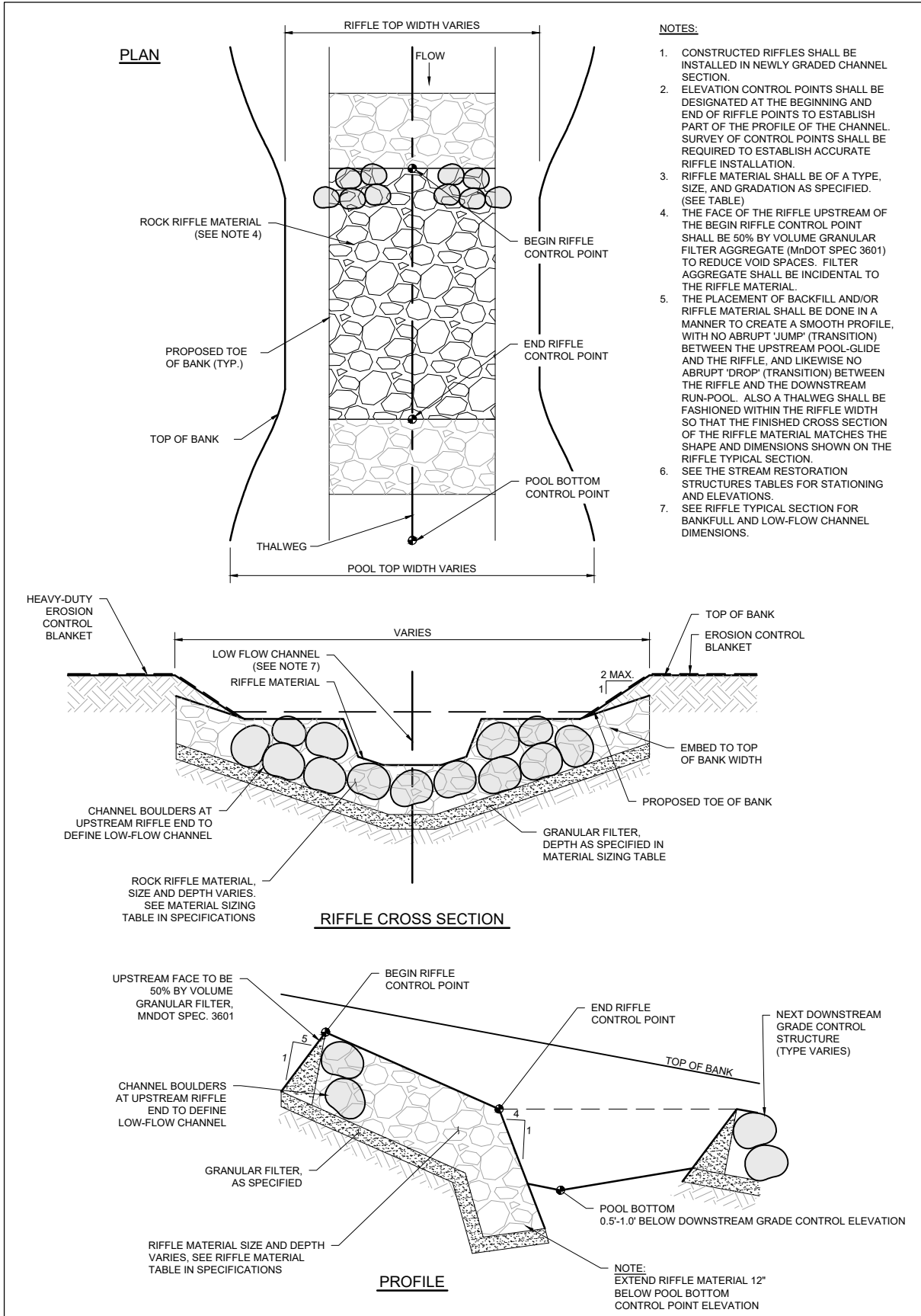
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DWG #	D-01
REV #	A

DRAFT
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(NOT FOR CONSTRUCTION)

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CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\23621470\0023621470.00_D-02_RIFLED.DWG



1 DETAIL: BOULDER CROSS VANE
NOT TO SCALE



2 DETAIL: ROCK RIFFLE
NOT TO SCALE

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ISSUED FOR BID
(NOT FOR CONSTRUCTION)

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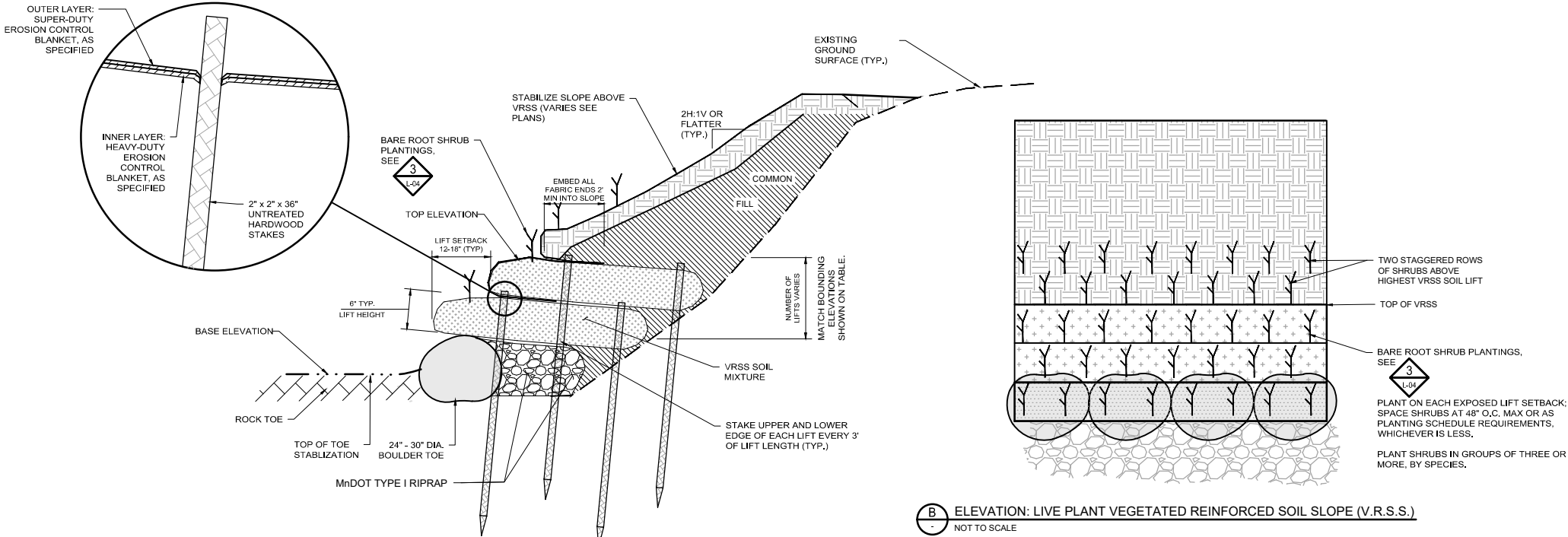
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FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
STREAM STRUCTURES DETAILS

BARR PROJECT #
2362147000
DWG #
D-02
REV #
A

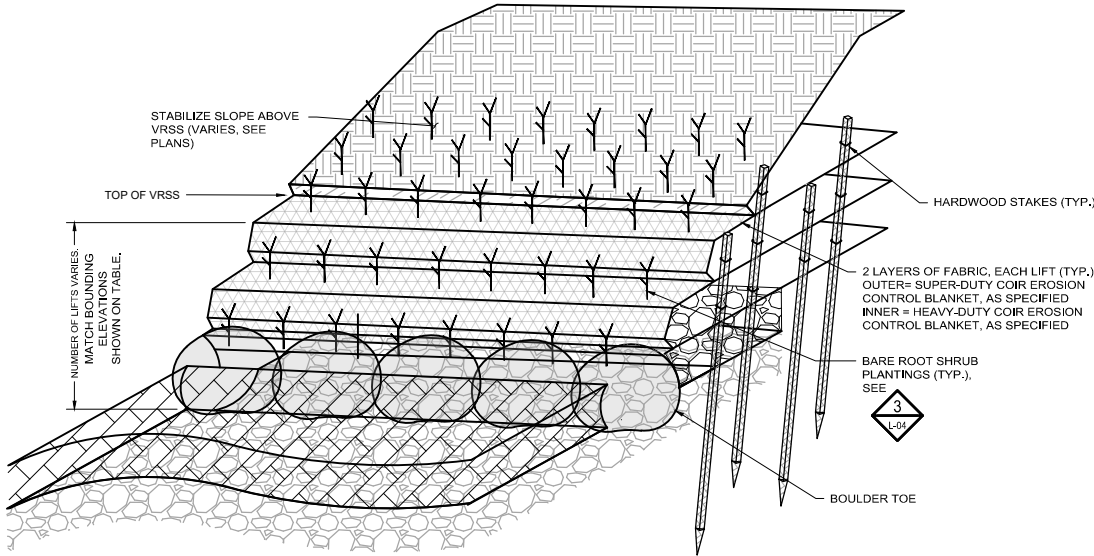
VRSS STRUCTURES TABLE

BEGIN STATION	END STATION	LENGTH (FT)	BASE ELEVATION	TOP ELEVATION
0+07	2+34	57	912	914
0+72	2+05	150	913	917
4+05	4+98	97	914	916
4+92	5+51	65	914	918
7+51	8+37	95	918	921
8+33	9+42	110	918	921
10+94	11+78	90	922	924
11+72	14+82	300	922	925
		964		



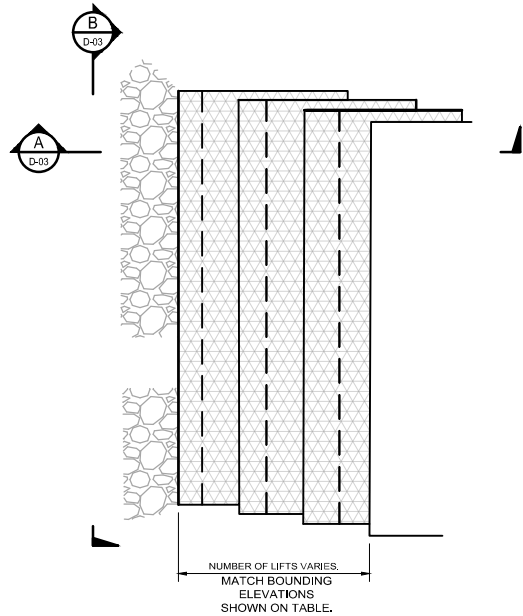
NOTES:

1. SOAK DORMANT CUTTINGS FOR A MINIMUM OF 24 HOURS IN FLOWING WATER BEFORE PLANTING. SOAKING FOR 5-7 DAYS IS CONSIDERED IDEAL. THE DORMANT CUTTINGS SHOULD ONLY BE INSTALLED DURING THE DORMANT SEASON, AFTER LEAF DROP IN THE FALL AND BEFORE BUD BREAK IN THE SPRING. DORMANT CUTTINGS STORED IN COLD STORAGE WITH NO VISIBLE SIGN OF BUD BREAK MAY BE USED INTO LATE SPRING.
2. EXCAVATE THE EXISTING STREAMBANK SLOPE SHOREWARD FROM AND LEVEL WITH THE TOP OF THE RIPRAP TO FORM A STABLE, UNDISTURBED SURFACE. A FLAT BENCH SHOULD BE CREATED FROM THE TOE OF THE STABLE CUT SLOPE TO THE TOE OF THE PROPOSED STREAM BANK TOE PROTECTION.
3. DORMANT CUTTINGS ARE TO BE PLACED ON TOP OF THE RIPRAP EXCAVATED BENCH AT 3 BRANCHES PER LINEAR FOOT; THE BASAL END OF THE CUTTINGS SHOULD EXTEND AT LEAST 2 FOOT PAST THE BACK OF THE RIPRAP. NO MORE THAN 6 INCHES OF THE BUDDING END OF THE LIVE BRANCH SHOULD EXTEND PAST THE FRONT OF THE RIPRAP. COVER THE DORMANT CUTTINGS WITH TOPSOIL TO CREATE AN EVEN SURFACE FOR THE CONSTRUCTION OF THE FIRST SOIL LIFT.
4. LAY NATURAL FIBER MATTING ON BOTTOM OF THE BENCH, OVERLAPPING ADJACENT MATTING BY 1 FOOT. THE OUTER EXPOSED EROSION CONTROL BLANKET LAYER OF EACH SOIL LIFT SHALL BE SUPER-DUTY EROSION CONTROL BLANKET, AS SPECIFIED.
5. THE INNER LAYER OF EACH SOIL LIFT SHALL BE HEAVY-DUTY EROSION CONTROL BLANKET, AS SPECIFIED. LAY THE INNER LAYER OF BLANKET ON TOP OF SUPER-DUTY BLANKET IN EACH SOIL LIFT. FABRIC SHOULD BE INSTALLED SMOOTH WITH NO UNNECESSARY FOLDS OR WRINKLES. STAKE THE SHOREWARD END OF THE FIBER MATTING IN PLACE WITH WOODEN STAKES SPACED EVERY THREE FEET AS SHOWN ON THE DRAWINGS.
6. THE FIRST 6 TO 8 INCHES OF THE BOTTOM SOIL LIFT SHALL BE FILLED WITH GRAVEL AND SAND MATERIAL EXCAVATED FROM THE STREAM BED. THE TOP 6 TO 8 INCHES ON THE FRONT OF SURFACE LAYER SHOULD BE COMPRISED OF TOPSOIL MIX AS SHOWN ON THE DRAWINGS.
7. THE TOPSOIL LAYER SHALL BE SEEDED WITH THE V.R.S.S. SEED MIX AT THE RATE SHOWN, BY MIX TYPE, FOR EACH LIFT SURFACE AREA, AS SHOWN ON THE DRAWINGS.
8. FOLD THE FIBER MATTING OVER THE FILL MATERIAL AND STAKE IN PLACE SO THE FABRIC IS TAUT AND SMOOTH WITH NO UNNECESSARY FOLDS OR WRINKLES. BACKFILL BEHIND THE BOTTOM SOIL LIFT WITH GRANULAR FILTER MATERIAL TO MEET THE EXISTING SLOPE AS SHOWN ON THE DRAWINGS.



1 DETAIL: LIVE PLANT VEGETATED REINFORCED SOIL SLOPE (V.R.S.S.)
NOT TO SCALE

B ELEVATION: LIVE PLANT VEGETATED REINFORCED SOIL SLOPE (V.R.S.S.)
NOT TO SCALE



ORIGINAL DRAWING SIZE: ANSI FULL BLEED B (17.00 X 11.00 INCHES) PLOT SCALE: 1/2 PLOT DATE: 7/27/2026 10:18 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\23621470\00\0023621470.D-03-VRSS.DWG

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#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION



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RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN	BARR PROJECT # 2362147000
STREAM STRUCTURES DETAILS	DWG # D-03
	REV # A

DRAFT
ISSUED FOR BID
(NOT FOR CONSTRUCTION)

ORIGINAL DRAWING SIZE: ANSI FULL BLEED B (17.00 X 11.00 INCHES) PLOT SCALE: 1:2 PLOT DATE: 7/27/2026 10:18 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\236214700\236214700_L-01-RESTORATION PLAN.DWG

COMMON NAME	LATIN NAME	SIZE	SPACING/CODE	QUANTITY
RED-TWIGGED DOGWOOD	CORNUS SERICEA	LIVE STAKE	42" O.C.	669
PRAIRIE WILLOW	SALIX HUMILIS	LIVE STAKE	42" O.C.	321
BEBB'S WILLOW	SALIX BEBBIANA	LIVE STAKE	36" O.C.	955
SHRUBS SUBTOTAL				1945
BOTTLEBRUSH GRASS	ELYMUS HYSTRIX	PLUG	36" O.C.	150
FOX SEDGE	CAREX VULPINOIDEA	PLUG	36" O.C.	150
TUSsock SEDGE	CAREX STRICTA	PLUG	36" O.C.	150
BONESET	EUPATORIUM PERFOLIATUM	PLUG	36" O.C.	150
GREAT BLUE LOBELIA	LOBELIA SIPHILITICA	PLUG	36" O.C.	150
BLUE FLAG IRIS	IRIS VERSICOLOR	PLUG	36" O.C.	150
PLUGS SUBTOTAL				900
SILVER MAPLE	ACER SACCHARINUM	BARE ROOT	AS	15
RIVER BIRCH	BETULA NIGRA	BARE ROOT	BN	10
COMMON HACKBERRY	CELTIS OCCIDENTALIS	BARE ROOT	CO	7
MCINTOSH RED APPLE TREE	MALUS PUMILA 'MCINTOSH RED'	#10 CONT.	MC	2
BEACON APPLE TREE	MALUS X DOMESTICA 'BEACON'	#10 CONT.	MI	2
SWAMP WHITE OAK	QUERCUS BICOLOR	BARE ROOT	QB	9
DANADA CHARM ELM	ULMUS X 'MORTON RED TIP'	BARE ROOT	UD	17
TREES SUBTOTAL				62

2 SCHEDULE: PLANTING
NOT TO SCALE

1 PLAN: OVERALL RESTORATION
0 60 120
SCALE IN FEET



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A	EMB	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID
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METRO WATERSHED DISTRICT
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FISH CREEK TRIBUTARY RESTORATION
MAPLEWOOD, MN
OVERALL
RESTORATION PLAN

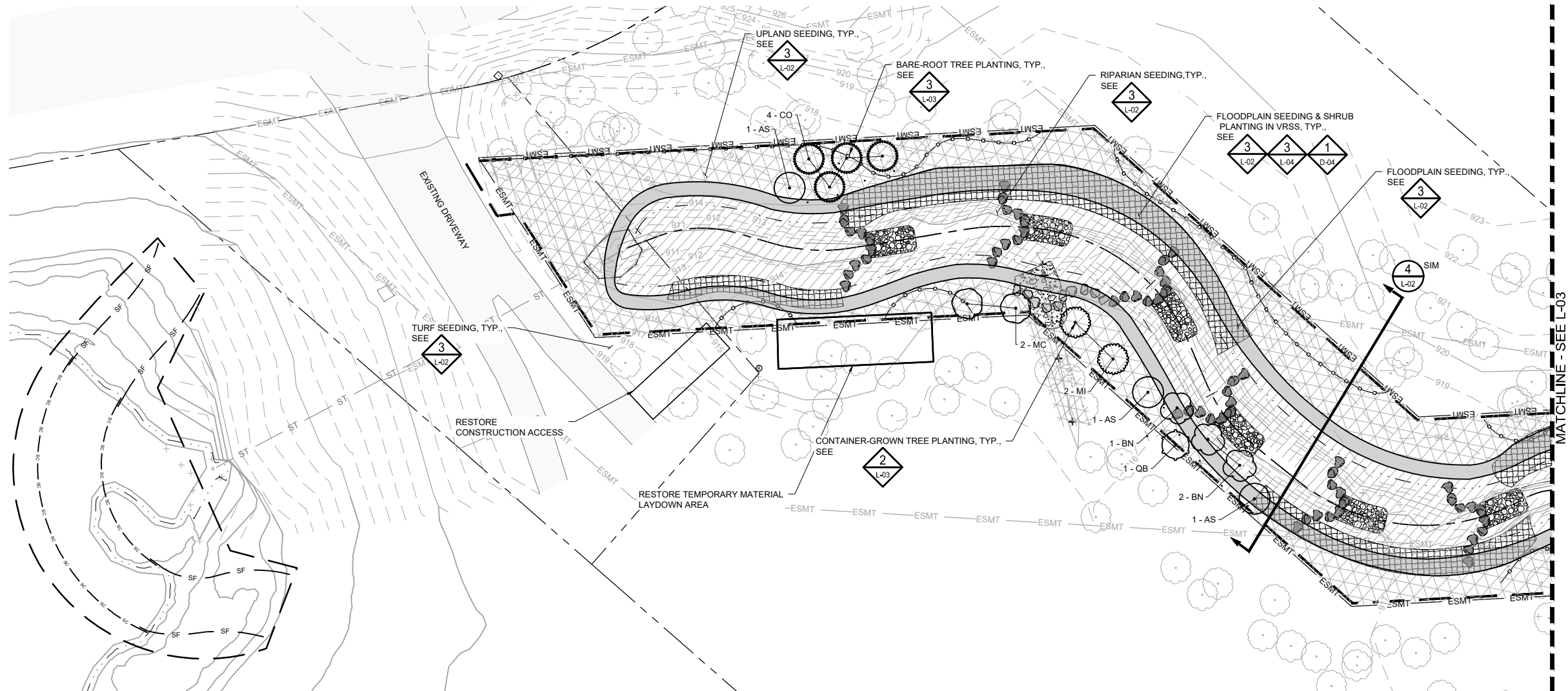
BARR PROJECT #	2362147000
DWG #	L-01
REV #	A

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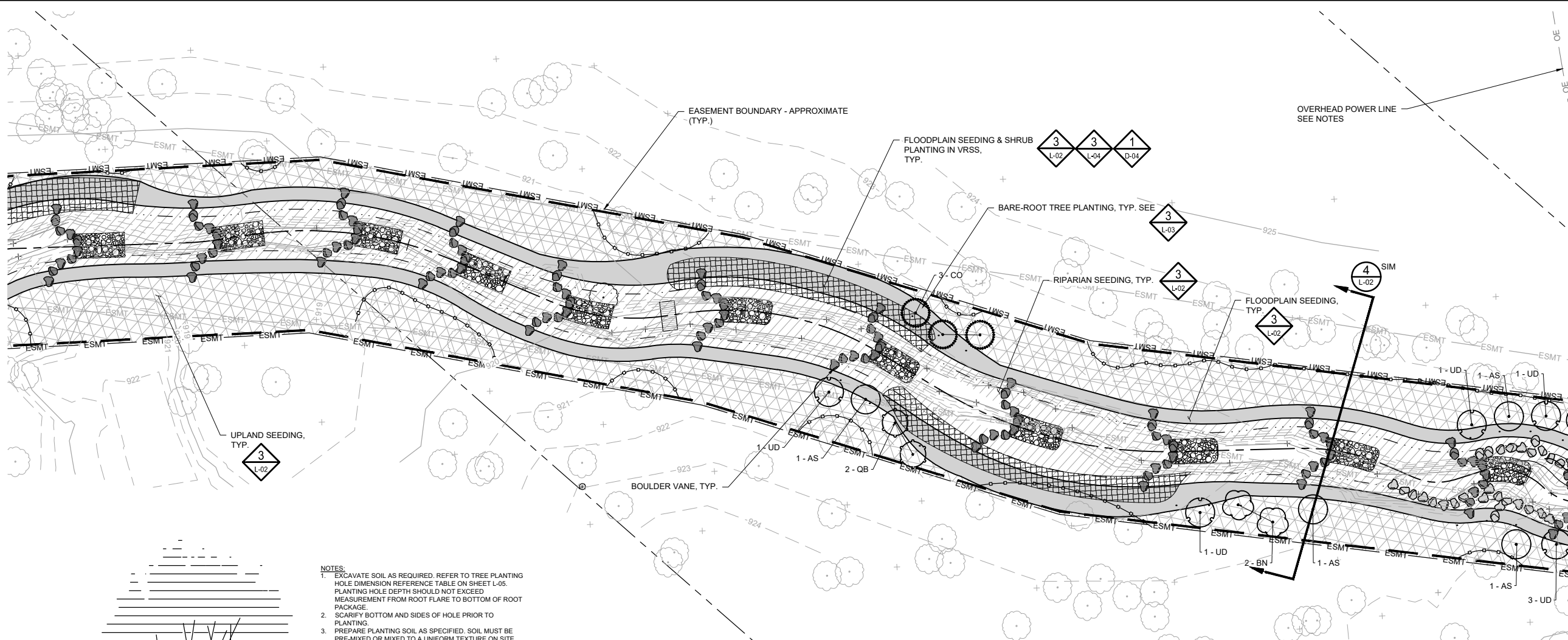
LEGEND

- 940 EXISTING INDEX CONTOUR (50')
- 939 EXISTING INTERMEDIATE CONTOUR (10')
- EXISTING ROAD/TRAIL
- EXISTING PROPERTY LINE
- CONSTRUCTION LIMITS
- EXISTING TREE, TO REMAIN
- OE OVERHEAD ELECTRIC, EXISTING
- SAN UNDERGROUND SANITARY SEWER, EXISTING
- ST UNDERGROUND STORM SEWER, EXISTING
- UE UNDERGROUND ELECTRIC, EXISTING
- GAS UNDERGROUND GAS, EXISTING
- UT UNDERGROUND TELEPHONE, EXISTING
- X FENCELINE, EXISTING
- TREE PROTECTION FENCE
- 925 PROPOSED CONTOURS
- VRSS
- ROCK RIFFLE
- ESMT PROPOSED EASEMENT
- ESMT EASEMENT, EXISTING
- SC SILT CURTAIN
- SF SILT FENCE
- POND NWL, EXISTING
- PROPOSED TREE PLANTING
- RIPARIAN SEEDING (MN STATE MIX# 34-265)
- FLOODPLAIN SEEDING (MN STATE MIX# 34-161)
- UPLAND SEEDING (MN STATE MIX# 35-622)
- TURFGRASS SEEDING (MN STATE MIX SOUTHERN BOULEVARD)
- BOULDER VANE, SEE CIVIL

ORIGINAL DRAWING SIZE: ANSI FULL BLEED B (17.00 X 11.00 INCHES) PLOT SCALE: 1:2 PLOT DATE: 7/27/2026 10:18 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\23621470\0023621470.L-02 RESTORATION PLANDWG

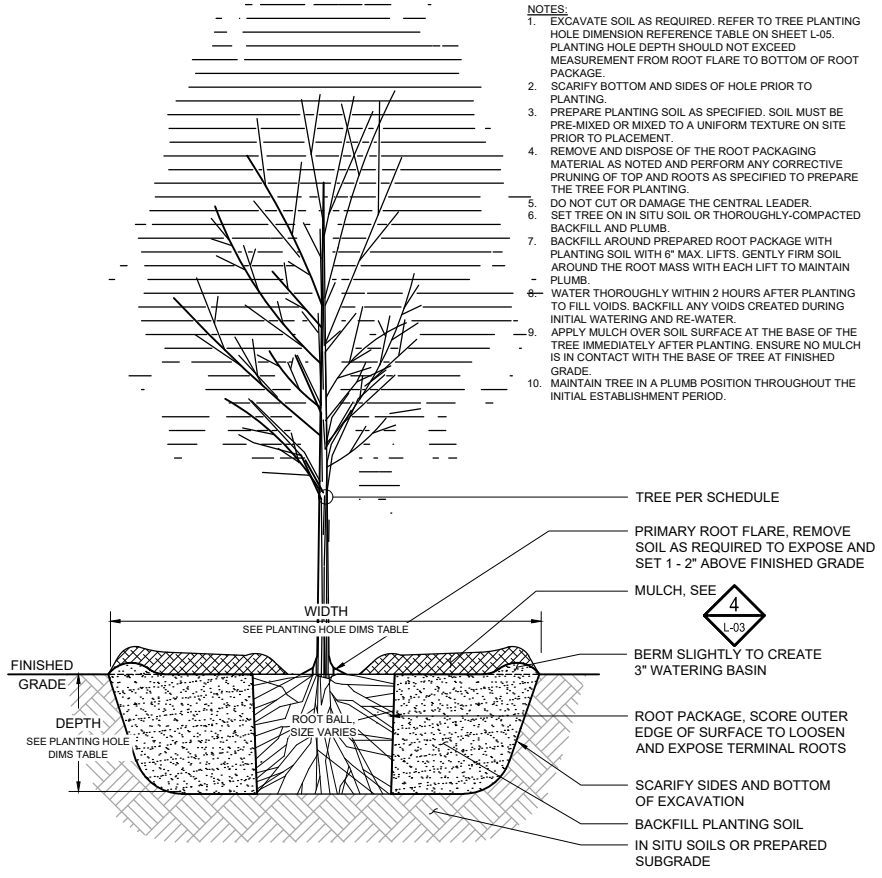


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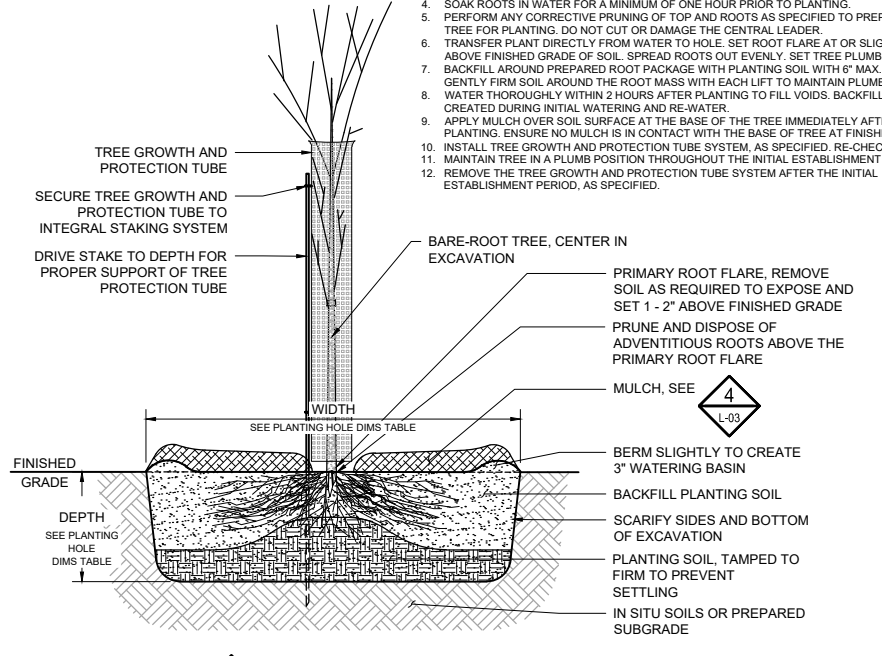
- LEGEND**
- 940 EXISTING INDEX CONTOUR (50')
 - 939 EXISTING INTERMEDIATE CONTOUR (10')
 - EXISTING ROAD/TRAIL
 - EXISTING PROPERTY LINE
 - CONSTRUCTION LIMITS
 - EXISTING TREE, TO REMAIN
 - OE OVERHEAD ELECTRIC, EXISTING
 - SAN UNDERGROUND SANITARY SEWER, EXISTING
 - ST UNDERGROUND STORM SEWER, EXISTING
 - UE UNDERGROUND ELECTRIC, EXISTING
 - GAS UNDERGROUND GAS, EXISTING
 - UT UNDERGROUND TELEPHONE, EXISTING
 - X FENCELINE, EXISTING
 - TREE PROTECTION FENCE
 - 925 PROPOSED CONTOURS
 - VRSS
 - ROCK RIFFLE
 - ESMT PROPOSED EASEMENT
 - ESMT EASEMENT, EXISTING
 - SC SILT CURTAIN
 - SF SILT FENCE
 - POND NWL, EXISTING
 - PROPOSED TREE PLANTING
 - RIPARIAN SEEDING (MN STATE MIX# 34-265)
 - FLOODPLAIN SEEDING (MN STATE MIX# 34-161)
 - UPLAND SEEDING (MN STATE MIX# 35-622)
 - TURFGRASS SEEDING (MN STATE MIX SOUTHERN BOULEVARD)

- NOTES:**
- SEE L-01 FOR PLANT SCHEDULE.
 - SEE SHEET L-02 NOTES FOR PLANTING AND RESTORATION REQUIREMENTS.

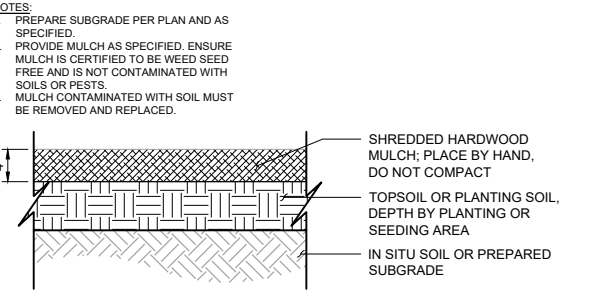


2 DETAIL: CONTAINER-GROWN TREE PLANTING
NOT TO SCALE

1 PLAN: RESTORATION STA. 3+46 - 9+00
HORIZONTAL SCALE IN FEET



3 DETAIL: BARE ROOT TREE PLANTING
NOT TO SCALE



4 DETAIL: HARDWOOD MULCH
NOT TO SCALE

#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION
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RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
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FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN RESTORATION PLAN STA. 9+00 - 13+63	BARR PROJECT # 2362147000 DWG # L-03 REV # A
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ORIGINAL DRAWING SIZE: ANSI FULL BLEED 8 (17.00 X 11.00 INCHES) PLOT SCALE: 1:2 PLOT DATE: 7/27/2026 10:19 AM
CADD USER: ANDREA M. WEDUL FILE: M:\DESIGN\23621470\0023621470_00_L-05 PLANTING SCHEDULES.DWG

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	Seeds/ sq ft
Big bluestem	<i>Andropogon gerardii</i>	2.18	6.71%	8.01
American sloughgrass	<i>Beckmannia syzigachne</i>	0.65	2.00%	11.94
Bluejoint grass	<i>Calamagrostis canadensis</i>	0.02	0.06%	2.06
Riverbank wild rye	<i>Elymus riparius</i>	0.30	0.92%	0.32
Silky wild rye	<i>Elymus villosus</i>	0.25	0.77%	0.51
Virginia wild rye	<i>Elymus virginicus</i>	1.30	4.00%	2.01
American manna grass	<i>Glyceria grandis</i>	0.12	0.37%	3.09
Fowl manna grass	<i>Glyceria striata</i>	0.08	0.25%	2.64
Rice cut grass	<i>Leersia oryzoides</i>	0.08	0.25%	1.00
Fowl bluegrass	<i>Poa palustris</i>	0.25	0.77%	11.94
Prairie cord grass	<i>Spartina pectinata</i>	0.17	0.52%	0.41
	Grasses Subtotal	5.40	16.62%	43.93
Porcupine sedge	<i>Carex hystericina</i>	0.09	0.28%	0.99
Pointed-broom sedge	<i>Carex scoparia</i>	0.13	0.40%	4.01
Common fox sedge	<i>Carex stipata</i>	0.04	0.12%	0.50
Tussock sedge	<i>Carex stricta</i>	0.01	0.03%	0.19
Brown fox sedge	<i>Carex vulpinoidea</i>	0.12	0.37%	4.41
Common spikerush	<i>Eleocharis palustris</i>	0.02	0.06%	0.37
Path rush	<i>Juncus tenuis</i>	0.02	0.06%	7.35
Dark green bulrush	<i>Scirpus atrovirens</i>	0.12	0.37%	20.28
Woolgrass	<i>Scirpus cyperinus</i>	0.05	0.15%	31.22
	Sedges & Rushes Subtotal	0.60	1.84%	69.32
Canada Anemone	<i>Anemone canadensis</i>	0.03	0.09%	0.09
Swamp Milkweed	<i>Asclepias incarnata</i>	0.26	0.80%	0.46
Nodding Bur Marigold	<i>Bidens cernua</i>	0.05	0.15%	0.39
Marsh Marigold	<i>Caltha palustris</i>	0.01	0.03%	0.10
Boneset	<i>Eupatorium perfoliatum</i>	0.03	0.09%	1.76
Grass-leaved Goldenrod	<i>Euthamia graminifolia</i>	0.01	0.03%	1.29
Joe Pye Weed	<i>Eutrochium maculatum</i>	0.09	0.28%	3.14
Sneezeweed	<i>Helenium autumnale</i>	0.10	0.31%	4.78
Giant Sunflower	<i>Helianthus giganteus</i>	0.03	0.09%	0.11
Great Blue Lobelia	<i>Lobelia siphilitica</i>	0.03	0.09%	5.51
Winged Loosestrife	<i>Lythrum alatum</i>	0.01	0.03%	1.10
Monkey Flower	<i>Mimulus ringens</i>	0.02	0.06%	16.90
Marsh Betony	<i>Pedicularis lanceolata</i>	0.03	0.09%	0.43
Obedient Plant	<i>Physostegia virginiana</i>	0.02	0.06%	0.08
Virginia Mountain Mint	<i>Pycnanthemum virginianum</i>	0.02	0.06%	1.62
Cutleaf Coneflower	<i>Rudbeckia laciniata</i>	0.10	0.31%	0.51
Cup Plant	<i>Silphium perfoliatum</i>	0.20	0.62%	0.10
Riddell's Goldenrod	<i>Solidago riddellii</i>	0.01	0.03%	0.34
Panicled Aster	<i>Symphyotrichum lanceolatum</i>	0.03	0.09%	1.72
New England Aster	<i>Symphyotrichum novae-angliae</i>	0.03	0.09%	0.72
Purple Meadow Rue	<i>Thalictrum dasycarpum</i>	0.02	0.06%	0.05
Blue Vervain	<i>Verbena hastata</i>	0.09	0.28%	3.07
Common Ironweed	<i>Vernonia fasciculata</i>	0.07	0.22%	0.62
Culver's Root	<i>Veronicastrum virginicum</i>	0.01	0.03%	2.94
Golden Alexanders	<i>Zizia aurea</i>	0.20	0.62%	0.81
	Forbs Subtotal	1.50	4.61%	48.64
	Native Seed Total	7.50	23%	161.89
Oats	<i>Avena sativa</i>	25.00	76.92%	11.14
	Cover Crop Total	25.00	76.92%	11.14
	Total Seed Mix	32.50	100.00%	173.03

1

SCHEDULE: RIPARIAN SEEDING (MN STATE MIX# 34-265)

NOT TO SCALE

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	Seeds/ sq ft
Riverbank Wild Rye	<i>Elymus riparius</i>	0.28	0.84%	0.30
Silky Wild Rye	<i>Elymus villosus</i>	0.30	0.90%	0.61
Slender Wheatgrass	<i>Elymus trachycaulus</i>	1.78	5.36%	4.51
Virginia Wild Rye	<i>Elymus virginicus</i>	3.24	9.76%	5.00
Switchgrass	<i>Panicum virgatum</i>	1.95	5.87%	10.03
Fowl Bluegrass	<i>Poa palustris</i>	0.25	0.75%	11.94
	Grasses Subtotal	7.80	23.48%	32.39
Swamp Milkweed	<i>Asclepias incarnata</i>	0.06	0.18%	0.11
Sneezeweed	<i>Helenium autumnale</i>	0.06	0.18%	2.87
Great Blue Lobelia	<i>Lobelia siphilitica</i>	0.02	0.06%	3.67
Cutleaf Coneflower	<i>Rudbeckia laciniata</i>	0.04	0.12%	0.21
Blue Vervain	<i>Verbena hastata</i>	0.15	0.45%	5.12
Common Ironweed	<i>Vernonia fasciculata</i>	0.07	0.21%	0.62
	Forbs Subtotal	0.40	1.20%	12.60
	Native Seed Subtotal	8.20	24.68%	44.99
Oats	<i>Avena sativa</i>	25.00	75.32%	11.14
	Cover Crop Subtotal	25.00	75.32%	11.14

2

SCHEDULE: FLOODPLAIN SEEDING (MN STATE SEED MIX# 34-161)

NOT TO SCALE

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	Seeds/ sq ft
Buffalo grass	<i>Buchloe dactyloides</i>	5.00	3.13%	6.61
Sheep fescue	<i>Festuca ovina</i>	19.00	11.88%	231.18
Chewing's fescue	<i>Festuca rubra ssp. commutata</i>	16.00	10.00%	166.76
Slender creeping red fescue	<i>Festuca rubra ssp. littoralis</i>	25.00	15.63%	260.56
Strong creeping red fescue	<i>Festuca rubra ssp. Rubra</i>	25.00	15.63%	260.56
Hard fescue	<i>Festuca trachyphylla</i>	26.00	16.25%	337.24
Perennial ryegrass	<i>Lolium perenne</i>	3.00	1.88%	14.94
Kentucky bluegrass	<i>Poa pratensis</i>	8.00	5.00%	255.25
Weeping alkaligrass	<i>Puccinellia distans</i>	6.00	3.75%	165.29
Tall fescue	<i>Schedonorus arundinaceus</i>	25.00	15.63%	130.28
	Grasses Subtotal	158.00	98.78%	1828.67
White clover	<i>Trifolium repens</i>	2.00	1.25%	32.68
	Forbs Subtotal	2.00	1.25%	32.68
	Seed Mix Total	160.00	100%	1861.35

4

SCHEDULE: TURFGRASS SEEDING (MN STATE MIX SO BLVD)

NOT TO SCALE

Common Name	Scientific Name	Rate (lb/ac)	% of Mix (by weight)	Seeds/ sq ft
Winter Wheat	<i>Triticum aestivum</i>	100.00	100.00%	26.08
	Total	100.00	100.00%	26.08

5

SCHEDULE: COVER CROP SEEDING (WW WINTER WHEAT)

NOT TO SCALE

Scientific Name	Rate (lb/ac)	% of Mix (by weight)	Seeds/ sq ft
<i>Andropogon gerardii</i>	0.06	0.18%	0.22
<i>Bouteloua curtipendula</i>	2.00	6.02%	4.41
<i>Bouteloua gracilis</i>	0.40	1.20%	5.88
<i>Bromus kalmii</i>	0.38	1.14%	1.12
<i>Elymus canadensis</i>	1.00	3.01%	1.91
<i>Elymus trachycaulus</i>	0.25	0.75%	0.63
<i>Koeleria macrantha</i>	0.16	0.48%	11.75
<i>Schizachyrium scoparium</i>	1.50	4.52%	8.26
<i>Sorghastrum nutans</i>	0.25	0.75%	1.10
<i>Sporobolus compositus</i>	0.25	0.75%	2.75
<i>Sporobolus heterolepis</i>	0.10	0.30%	0.59
Grasses Subtotal	6.35	19.10%	38.62
<i>Carex brevior</i>	0.10	0.30%	1.07
Sedges & Rushes Subtotal	0.10	0.30%	1.07
<i>Achillea millefolium</i>	0.01	0.03%	0.65
<i>Amorpha canescens</i>	0.09	0.27%	0.40
<i>Anemone virginiana</i>	0.02	0.06%	0.21
<i>Aquilegia canadensis</i>	0.02	0.06%	0.28
<i>Artemisia ludoviciana</i>	0.02	0.06%	1.84
<i>Asclepias tuberosa</i>	0.05	0.15%	0.08
<i>Asclepias verticillata</i>	0.05	0.15%	0.20
<i>Astragalus canadensis</i>	0.06	0.18%	0.37
<i>Chamaecrista fasciculata</i>	0.07	0.21%	0.07
<i>Coreopsis palmata</i>	0.02	0.06%	0.07
<i>Dalea candida</i>	0.13	0.39%	0.91
<i>Dalea purpurea</i>	0.25	0.75%	1.38
<i>Desmodium canadense</i>	0.03	0.09%	0.06
<i>Drymocallis arguta</i>	0.01	0.03%	0.84
<i>Helianthus pauciflorus</i>	0.03	0.09%	0.04
<i>Helicopsis helianthoides</i>	0.06	0.18%	0.14
<i>Heuchera richardsonii</i>	0.01	0.03%	2.57
<i>Lespedeza capitata</i>	0.06	0.18%	0.18
<i>Liatris aspera</i>	0.03	0.09%	0.18
<i>Liatris punctata</i>	0.05	0.15%	0.13
<i>Lupinus perennis</i>	0.02	0.06%	0.01
<i>Monarda fistulosa</i>	0.04	0.12%	1.03
<i>Monarda punctata</i>	0.02	0.06%	0.66
<i>Penstemon grandiflorus</i>	0.05	0.15%	0.26
<i>Ratibida pinnata</i>	0.03	0.09%	0.33
<i>Rosa arkansana</i>	0.04	0.12%	0.01
<i>Rudbeckia hirta</i>	0.06	0.18%	2.03
<i>Silphium laciniatum</i>	0.05	0.15%	0.01
<i>Solidago nemoralis</i>	0.04	0.12%	4.41
<i>Solidago rigida</i>	0.06	0.18%	0.90
<i>Solidago speciosa</i>	0.03	0.09%	0.88
<i>Symphytichum ericoides</i>	0.01	0.03%	0.73
<i>Symphytichum oolentangiense</i>	0.05	0.15%	1.47
<i>Symphytichum sericeum</i>	0.03	0.09%	0.29
<i>Tradescantia bracteata</i>	0.03	0.09%	0.11
<i>Verbena stricta</i>	0.05	0.15%	0.51
<i>Zizia aptera</i>	0.07	0.21%	0.31
Forbs Subtotal	1.75	5.25%	24.55
Native Seed Total	8.20	24.65%	64.24
<i>Avena sativa</i>	25.00	75.30%	11.14
Cover Crop Total	25.00	75.30%	11.14
Total Seed Mix	33.20	100.00%	75.38

3

SCHEDULE: UPLAND SEEDING (MN STATE MIX# 35-622)

NOT TO SCALE

PLANTING HOLE DIMENSIONS TREES			
(EXCERPTED FROM CURRENT 2015 MNDOT STANDARD PLAN 5-297.301)			
PLANT TYPE	PLANT SIZE, UP TO AND INCLUDING	MIN. HOLE WIDTH (W)	MIN. HOLE DEPTH (D)
DECIDUOUS & ORNAMENTAL TREES	BARE ROOT	3'-0"	46"
		4'-0"	46"
		5'-0"	48"
		6'-0"	54"
		7'-0"	60"
		8'-0"	66"
		0.75" CALIP.	48"
		1" CALIP.	54"
		1.25" CALIP.	60"
		1.5" CALIP.	66"
		1.75" CALIP.	72"
		2" CALIP.	84"
	BALLED & BURLAPPED (B&B)	4'-0"	42"
		5'-0"	48"
		6'-0"	52"
		8'-0"	66"
		10'-0"	66"
		12'-0"	48"
		1" CALIP.	54"
		1.5" CALIP.	61"
		2" CALIP.	72"
		2.5" CALIP.	84"
EVERGREEN & CONIFEROUS TREES	CONTAINER GROWN	3" CALIP.	96"
		#10 CONT.	44"
		#15 CONT.	45"
		#20 CONT.	60"
		#25 CONT.	72"
	BALLED & BURLAPPED (B&B)	2'-0"	36"
		3'-0"	42"
		4'-0"	51"
		5'-0"	60"
		6'-0"	66"
		7'-0"	72"
		8'-0"	81"
		9'-0"	90"
		10'-0"	102"
		12'-0"	114"
SEEDLINGS	BARE ROOT	#7 CONT.	37"
		#10 CONT.	44"
		#15 CONT.	45"
		#20 CONT.	60"
		#25 CONT.	72"
		6"	15"
		9"	18"
		12"	23"
		18"	30"
		24"	36"

6

SCHEDULE: PLANTING HOLE DIMENSIONS TABLE

NOT TO SCALE

-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-
A	EMB	AMW	TAO2	07/24/2026	DRAFT ISSUED FOR BID
#	BY	CHK	APP	DATE	RELEASE/REVISION DESCRIPTION



BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
SUITE 200
MINNEAPOLIS, MN 55435

PH: 1-800-632-2277
WWW.BARR.COM
MINNESOTA ENGINEERING FIRM
NUMBER 10104111545



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT
2665 Noel Dr, Little Canada, MN 55117

FISH CREEK TRIBUTARY RESTORATION MAPLEWOOD, MN		BARR PROJECT # 2362147000
SEEDING SCHEDULES		DWG # L-05
		REV # A

CONTRACT DOCUMENTS
FISH CREEK TRIBUTARY STREAM RESTORATION
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT
MAPLEWOOD, MINNESOTA

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New Reports/ Presentations



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

Memorandum

To: Board of Managers and Staff
From: Tina Carstens, District Administrator
Subject: 2027 Budget Planning
Date: July 31, 2026

Attached to this memo are several materials related to the 2027 preliminary budget:

- 2027 Draft Budget Table
- 2027 Draft Budget Program Line-Item Breakouts
- 2027 Draft Budget Line-by-Line Narrative

At this stage of the budget planning process, I have included all projects and program expenses that we could consider undertaking in 2027. This is meant to be an inclusive list, and there is flexibility to shift projects from 2027 into future years as we refine our work plan and continue our budgeting discussions.

The draft budget and the corresponding levy estimates provide a high-level view of anticipated expenses, as well as an initial look at carryover and other funding sources. As currently outlined—with all proposed project and program expenses included—the levy need reflects a 14.58% increase.

A few key points to note. The general fund budget has decreased slightly. The capital project funds account for much of the increase. I have incorporated an early estimate of CIP carryover but will continue evaluating the balance between levy needs and carryover over the next month.

While I do not anticipate recommending an increase as high as the current draft reflects, I do expect that we will want to consider more than a 0% increase for 2027. Rising costs and the nature of our work have made a no-increase levy more challenging to sustain, which has been particularly evident this year after holding the levy flat for the past couple of years.

Additionally, a modest levy increase would be consistent with trends we see among neighboring watershed districts, as well as preliminary levy discussions at both the city and county level. Many of these entities have had increases over the last couple of years and are anticipating increases to meet inflationary pressures and maintain service levels, which aligns with the considerations we are facing for 2027.

For our budget planning, maintaining at least a slight cost-increase adjustment in the levy would likely be prudent.

General Fund Discussion

In the general fund (lines 1-44), you will find some increases and decreases in line items. I have evaluated the completed 2025 budget and audit, as well as what has been spent to date in 2026. I use this information to fine-tune the 2027 budget. A few items of note:

- Project Feasibility Studies (line 5) – this line item fluctuates each year based on what studies are anticipated. We propose several planning efforts around stormwater model updates, wetland assessments, and lake internal load control studies.
- Salary & Benefits (line 21) – Besides the usual increases proposed for salary adjustments and insurance increases, I have included the new full-time position in this line item.
- Building Maintenance (line 24) – Besides our annual maintenance needs for the office site, this increase includes funds for an exterior building painting, bird-safe window film, and gutter improvements.

Capital Improvement Fund Discussion

The following is a discussion about the project funds in the capital improvement fund section of the budget.

- Debt Service (line 46-47) – This shows our obligation in 2027, although it can be noted that the Maplewood Mall loan debt service will be complete next year. The Beltline and Battle Creek Tunnel Repair debt service is completed in the 2031 budget.
- Targeted Retrofit Projects (line 48) – This is the line item that has the most flexibility in shifting projects to 2028 to meet our levy desires. The Hazelwood Professional Center and Battle Creek Subwatershed TSS BMPs would be the projects delayed, accounting for \$825,000 in funding. The other funding shown in the table includes \$300,000 in stormwater impact funds, \$230,000 in 2027 watershed-based implementation funding (WBIF), and \$850,000 in transfer from the Fish Creek Tributary Improvements fund that was collected previously but will now be funded through grant funds.
- Stewardship Grant Fund (line 49) – This maintains the budget of this year, but there is some carryover planned to help with the levy needs of this program.
- Fish Creek Tributary Improvements (line 50) – This project will likely be substantially complete at the end of 2026. There is no levy fund need for this project. The grant funding is shown in the “other funding” category on the spreadsheet. This includes \$230,000 WBIF and \$850,000 from the PFAS grant funding.

- Kohlman In-lake Alum Treatment (line 51) – this project will be completed in the fall with just a small amount of carryover needed to finalize the project in 2027.
- Wakefield Lake Aeration Implementation (line 52) – this project was planned for in 2026, and no additional levy funds will be needed.
- Project Repair & Maintenance (line 53) includes our usual maintenance and repair of district projects throughout the district. I have still included the office site improvements in this budget although it was already planned and funded in 2026, so no additional funds are needed. This line also includes the repairs to McKnight Basin as were discussed previously this year.
- Wetland and Creek Restoration Projects (line 54) – this line includes the Plateau Wetland restoration project as well as the planning and design of a section of Battle Creek as part of our creek walk restoration project.
- Flood Risk Reduction Fund (line 55) – this is all carryover funds to implement flood risk reduction projects. There are also grant funds of \$270,000 shown in this line item for the design of the Ames Lake Flood Risk Improvements project. There are also funds allocated for the Tanners and Battle Creek Lake Outlet planning as well as Five Star Estates and McKnight Basin emergency response planning.

With your input at this meeting, and as we move toward preliminary budget and levy approval in September, I anticipate keeping a levy increase in the preliminary levy certification. Beginning with a modest increase in September allows room to refine the budget and adjust to a smaller increase in December, when final approval occurs. Over the next several months, we will continue refining our work plans and gain a clearer understanding of 2026 project completion and available carryover.

Fiscal Year 2027 Budget V1
August Budget and Levy Discussion
8/5/2026

Budget ID Number	Budget Item		FY 2026 Budget	2027 General Fund	Capital Improvements	Carry-over Funds	Other Funds	Total Proposed 2027 Budget	Increase (decrease) from 2026 Budget
1	Engineering	Administration	145,000	120,000				120,000	(25,000)
2		Engineering Review	83,000	87,000				87,000	4,000
3		Permit Application Review	85,000	95,000				95,000	10,000
4		Permit Inspection and Enforcement	10,000	10,500				10,500	500
5		Project Feasibility Studies	430,000	410,000				410,000	(20,000)
6		GIS Maintenance	5,000	15,000				15,000	10,000
7									
8	Attorney	General	40,000	30,000				30,000	(10,000)
9		Permit Enforcement	5,000	5,000				5,000	0
10									
11	Managers	Meeting Per diems	7,000	7,000				7,000	0
12		Managers Expenses	3,000	3,000				3,000	0
13									
14	Auditor/Accounting	Auditor/Accounting	85,000	95,000				95,000	10,000
15									
16	Miscellaneous	Dues & Publications	20,000	20,000				20,000	0
17		Insurance	75,000	75,000				75,000	0
18		Committee & Board Meeting Expenses	4,000	4,000				4,000	0
19		Miscellaneous	5,000	5,000				5,000	0
20									
21	Administrative	Salary & Benefits	2,200,000	2,300,000				2,300,000	100,000
22		Employee Expenses	10,000	10,000				10,000	0
23		Janitorial/Trash Services/Snow Plowing	30,000	30,000				30,000	0
24		Building Maintenance	80,000	150,000				150,000	70,000
25		Utilities (gas,electric, water, sewer, maintenance)	20,000	20,000				20,000	0
26		Office Supplies	7,000	7,000				7,000	0
27		Copying/Printing	5,000	7,000				7,000	2,000
28		Postage/Delivery	2,000	2,000				2,000	0
29		Office Furniture & Computer Equipment	50,000	50,000				50,000	0
30		Training/Education	75,000	75,000				75,000	0
31		Telephone	13,000	15,000				15,000	2,000
32		District Vehicles/Maintenance	75,000	20,000				20,000	(55,000)
33		Database/GIS Maintenance & Equipment	80,000	80,000				80,000	0
34		IT Services/Internet/Website/Software Licenses	120,000	130,000				130,000	10,000
35		Outside Program Support	44,000	45,000				45,000	1,000
36		Outside Consulting Services	25,000	25,000				25,000	0
37									
38	Program	WMP, Lakes, TMDLs, Grants	195,000	80,000				80,000	(115,000)
39	Activities	Natural Resources Program	176,000	191,000				191,000	15,000
40		Water Monitoring-Lab Costs & Equip.	371,500	350,000				350,000	(21,500)
41		Research Projects	107,000	77,000				77,000	(30,000)
42		Project Operations	200,000	200,000				200,000	0
43		Education, Communication, Events	161,000	166,000				166,000	5,000
44		Health & Safety Program/Staff In-House Training	7,000	7,000				7,000	0
45									
46	Capital Improvements	Maplewood Mall SRF Loan Debt Service	96,654		97,170			97,170	516
47	Summary	Beltline and Battle Creek Tunnel Repair Debt Service	323,047		322,626			322,626	(421)
48		Targeted Retrofit Projects	581,000		397,500	350,000	1,380,000	2,127,500	1,546,500
49		Stewardship Grant Fund	1,500,000		1,000,000	500,000		1,500,000	0
50		Fish Creek Tributary Improvements	1,300,000				1,080,000	1,080,000	(220,000)
51		Kohlman In-lake Alum Treatment	385,000			5,000		5,000	(380,000)
52		Wakefield Lake Aeration Implementation	565,000			630,000		630,000	65,000
53		Project Repair & Maintenance	2,285,000		1,600,000	1,000,000		2,600,000	315,000
54		Wetland and Creek Restoration Projects	10,000		117,500	300,000		417,500	407,500
55		Flood Risk Reduction Fund	655,000			605,000	270,000	875,000	220,000
		Totals	\$ 12,756,201	\$ 5,018,500	\$ 3,534,795	\$ 3,390,000	\$ 2,730,000	\$ 14,673,295	\$ 1,917,094

\$300K SIF, \$230K WBIF, \$850K Transfer
\$850K Grant, \$230K WBIF (most will be spent in 2026)
\$270K Grant

	Budget Total	Budget Total By Fund		Proposed Levy
		General Fund	CIB	
2027 Budget Total and totals by fund	\$ 14,673,295	\$ 5,018,500	\$ 9,654,795	\$ 8,453,295
2026 Budget Total and totals by fund	\$ 12,756,201	\$ 5,055,500	\$ 7,700,701	\$ 7,377,463
2027 Budget Increase or (Decrease) from 2026 Budget	\$ 1,917,094	\$ (37,000)	\$ 1,954,094	\$ 1,075,832
2027 Budget % change from 2026 Budget	15.03%	-0.73%	25.38%	14.58%

Fund Sources	Proposed 2027 Budget	Projected 2026 Carryover	Projected Other Income	Proposed 2027 Carryover	Proposed 2027 Levy
General Fund	\$ 5,018,500	\$ 2,000,000	\$ 100,000	\$ 2,000,000	\$ 4,918,500
Capital Improvements	\$ 9,654,795	\$ 3,390,000	\$ 2,730,000	\$ -	\$ 3,534,795
Total	\$ 14,673,295	\$ 5,390,000	\$ 2,830,000	\$ 2,000,000	\$ 8,453,295

2027 Budget Program Line Item Breakouts for August Budget and Levy

Project Feasibility Studies (Line 5)	
Stormwater Model Updates (Atlas 15 plus missing areas)	\$200,000
Wetland Assessment (1 of 3 year effort)	\$100,000
Bennet Lake Internal Load Reduction Feasibility Study	\$40,000
Exploring Internal Loading Control Options for Emily and Beaver Lakes	\$50,000
Contingency	\$20,000
Total =	\$410,000

Outside Program Support (Line 35)	
Watershed Partners	\$10,000
Blue Thumb	\$2,000
Freshwater Society	\$3,000
East Metro Education	\$16,000
Cooperative Weed Management Program	\$10,000
GIS Users Group	\$1,000
Contingency	\$3,000
Total =	\$45,000

WMP, Lakes, TMDLs, Grants (Line 38)	
Grant Applications	\$20,000
TMDL Reporting Assistance	\$20,000
Watershed Management Plan Updates - Review, Approval, and Adoption	\$20,000
Contingency	\$20,000
Total =	\$80,000

NR Program (Line 39)	
Ongoing Site Maintenance	\$25,000
Carp Management Program	\$76,000
Restoration Project Work	\$40,000
Equipment Needs	\$40,000
Contingency	\$10,000
Total =	\$191,000

Water Monitoring (Line 40)	
WQ Equipment Replacement and Repair	\$50,000
Sampling and Lab Costs	\$150,000
Barr Engineering Monitoring Assistance and Reporting	\$100,000
Contingency	\$50,000
Total =	\$350,000

Research (Line 41)	
Minnesota Stormwater Research Council	\$50,000
New Technology Reports	\$17,000
Contingency	\$10,000
Total =	\$77,000

Education/Events/Communications (Line 43)	
Education and Work in Schools	\$50,000
Communications and Marketing	\$60,000
WaterFest	\$40,000
Watershed Excellence Awards	\$6,000
Contingency	\$10,000
Total =	\$166,000

Targeted Retrofits (Line 48)	
2026 Project Completion (Gustavus, Cochran, Thirty Twenty)	\$7,500
Hazelwood Professional Center - engineering and construction	\$525,000
1670 Bean Avenue (\$300,000 SIF) - engineering and construction	\$710,000
City of Landfall Targeted Retrofit Project - engineering and construction	\$325,000
Battle Creek Subwatershed TSS BMP Implementation	\$300,000
Future Retrofit Project Development	\$260,000
Total =	\$2,127,500

Project Repair and Maintenance (Line 53)	
2027 Project Repair and Maintenance Contract	\$1,000,000
Office Site Exterior Improvements	\$600,000
McKnight Basin Repairs	\$600,000
Routine Inspections and Unplanned Maintenance ID	\$150,000
BMP and NR Maintenance Program	\$250,000
Total =	\$2,600,000

Wetland and Creek Restoration Projects (Line 54)	
Cottage Place Wetland Restoration Wrap-Up	\$7,500
Plateau Wetland Restoration	\$160,000
Battle Creek Restoration Planning and Design	\$250,000
Total =	\$417,500

Flood Risk Reduction Fund (Line 55)	
Roseville Central Park Flood Project Planning & Support	\$5,000
Tanners Lake and Battle Creek Lake Outlet Planning	\$350,000
Five Star Estates Project Development	\$240,000
Ames Lake Improvements Planning	\$225,000
McNight Basin Emergency Response Plan Updates	\$55,000
Total =	\$875,000

Items shown on these budget line item breakouts are subject to change. Projects are identified but may need adjustments or additional project opportunities with similar goals may be determined during the year.

2027 BUDGET NARRATIVE V1

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
General Fund Budget Summary:			
1	Engineering - Administration Oversight of all District engineering activities, supervising staff assigned to projects, responding to general inquiries of the public and the board, and preparing correspondence and billings. Engineering attendance at meetings of the District- covers Board and related project meetings, mini case studies, data collection, analysis, preparation of reports as requested by the managers, and assisting in District water management planning activities. This also includes preparation for board workshop topics as requested.	120,000	(25,000)
2	Engineering - Review Review and comment on plans and proposals submitted to the District for review relative to District regulations, policies, and concerns. Assist communities and counties with data and information needs related to projects and plans.	87,000	4,000
3	Engineering - Permit Application Review and Processing Provides for Engineering assistance in the review of all permit applications, clarifying problems with the developer, meeting with the developer on-site, coordinating permit issues with communities, counties, and other regulatory bodies.	95,000	10,000
4	Engineering - Permit Inspection & Enforcement Inspect projects when a designed improvement is involved and requested by District staff.	10,500	500
5	Engineering - Project Feasibility Studies This item provides a budget item for annual feasibility studies in preparation for future capital improvement projects. See Program Budget Line Item Breakout table.	410,000	(20,000)
6	Engineering - GIS Maintenance Provides funds for the maintenance and assistance of the District GIS system and data.	15,000	10,000

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
8	Attorney - General Legal advice at meetings, research on various issues for Board consideration, preparation and publication of legal notices, preparation of Board resolutions, and other matters requiring legal counsel.	30,000	(10,000)
9	Attorney - Permit Enforcement Legal advice on permit sites, including enforcement activities, letters, and legal action as necessary.	5,000	0
11	Manager per Diems Manager per diems for regular and special meeting attendance.	7,000	0
12	Manager Expenses Manager Expenses incurred in the performance of official manager duties, such as attendance at conferences and meetings, and related expenses.	3,000	0
14	Auditor/Accounting Preparation of the District's annual audit and provide monthly accounting services.	95,000	10,000
16	Dues & Publications Dues for appropriate organization memberships (MAWD, League of MN Cities, etc.) and for purchase of necessary publications and reference materials.	20,000	0
17	Insurance District General Liability, Property/Casualty, Public Official Liability insurance, etc.	75,000	0
18	Committee & Board Meeting Expenses Budget to cover miscellaneous expenses related to the duties and activities of District advisory committees, such as meeting refreshments, supplies, public information materials, etc.	4,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
19	Miscellaneous Expenses Expenses of the District not elsewhere classified. Examples include: miscellaneous financial charges and expenses, District tour expenses, pass-through expenses, etc.	5,000	0
21	Staff Salaries, Taxes & Benefits Includes salary, taxes, insurance, and benefits for existing full-time staff plus summer interns. This budget includes an allowance for salary increases and increased benefit costs. Also includes the additional cost of the state Paid Family Leave program.	2,300,000	100,000
22	Employee Expenses This includes mileage, parking, and supply expenses incurred by the District's staff.	10,000	0
23	Janitorial/Trash Services/Snow Removal Contract services are required for the office building and winter snow removal.	30,000	0
24	Building Maintenance Building repairs, equipment, and landscape maintenance expenses, including budget planned for exterior building paint, gutters, and bird-safe window film.	150,000	70,000
25	Utilities (gas, electric, water, sewer) Provides for office building utility expenses.	20,000	0
26	Office Supplies Office supply costs for district operations.	7,000	0
27	Copying/Printing Photocopying and commercial printing expenses.	7,000	2,000
28	Postage/Delivery District postage and delivery expenses.	2,000	0
29	Office Furniture and Computer Equipment Acquisition of necessary new and replacement office equipment and furniture.	50,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
30	Training/Education Training and education expenses for the District staff, including pursuing equity/inclusion work.	75,000	0
31	Telephone District telephone expenses. Includes office phone system and support costs. The increase is due to the addition of district staff cell phone plans and replacement needs.	15,000	2,000
32	Vehicle Replacement, Equipment and Maintenance Provides for fleet maintenance and equipment. No new vehicle purchase is needed.	20,000	(55,000)
33	Database & GIS Maintenance and Equipment Provides for a new district database system for permit program, stewardship grant program, inspections and timesheets. Also includes GIS system needs.	80,000	0
34	IT Services/Internet/Web Site/Software Licenses Provides for maintenance and upgrades to computer network and software upgrades paid to Metro-INET.	130,000	10,000
35	Outside Program Support Provides budget for financial support of programs that provide support to the District and its goals. See list in the Program Budget Line Item Breakout.	45,000	1,000
36	Outside Consultant Services Provides funds for contracting special services with outside consultants as needs arise in the year.	25,000	0
38	WMP, Lakes, TMDLs, Grants This item is for the plan update as well as various water body studies and related topics. See Program Budget Line Item Breakout table.	80,000	(115,000)

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
39	Natural Resources Program This item includes funding for a project to enhance ecological diversity within the District – habitat restoration projects, site maintenance, studies, and research. See Program Budget Line Item Breakout table.	191,000	15,000
40	Water Quality Monitoring Includes lab costs and equipment for lake sampling, BMP monitoring, and performance monitoring. See Program Budget Line Item Breakout table.	350,000	(21,500)
41	Research Projects This account provides funds for conducting research into various water and resource management issues and problems. The budget includes contributions to the Minnesota Stormwater Research (MSR) program as well as the potential projects shown in the attached Program Budget Line Item Breakout table.	77,000	(30,000)
42	Project Operations This budget provides funds for the ongoing operational costs for District projects that incur utility or supply costs. Some examples include the auto lake level monitoring systems, the Keller Channel Weir and Phalen Outlet modification operations, and the Gopher State One Call implementation.	200,000	0
43	Education, Communication Events Production of materials and programs designed to improve the understanding and knowledge of the school children, general public, city and county staff, developers, and others of the District's programs and watershed management. This will be used to support our communications and marketing plan, including updates to printed materials and signage. Provide funds for the annual WaterFest program and Watershed Excellence Awards program.	166,000	5,000
44	Health & Safety Program/Staff In-house Training Provides funds to support the District staff safety program, training costs, and equipment.	7,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
Capital Improvement Budget Summary:			
46	Maplewood Mall SRF Loan Debt Service Annual payment for the State Revolving Fund (SRF) loan for Maplewood Mall Phase IV project. (last year)	97,170	516
47	2016 Beltline and Battle Creek Tunnel Repair Debt Service This is the principal and interest payment for a bond issue approved in 2016.	322,626	(421)
48	Targeted Retrofit Projects This budget funds projects targeted by the District as priorities for water quality and natural habitat. Projects are vetted in the current year, and potential project implementations are planned for 2027. Projects with the most potential are currently planned. Other projects identified to meet the goals for targeted retrofits may also present themselves over the next year. Staff will manage projects within the proposed Targeted Retrofit Projects budget and present them to the board as they develop. See Program Budget Line Item Breakout table.	2,127,500	1,546,500
49	Stewardship Grant Fund Provide funds for cost-share assistance to local partners, churches, public and private developers, and homeowners for funding of volume reduction, habitat restoration, and other practices above the requirements of District rules.	1,500,000	0
50	Fish Creek Tributary Improvements This is a water quality and native habitat restoration project in the Fish Creek subwatershed, targeting sediment impairment.	1,080,000	(220,000)
51	Kohlman In-Lake Alum Treatment This project will be completed in 2026 with a slight need for finalization in 2027.	5,000	(380,000)
52	Wakefield Lake Aeration Implementation This fund supports the implementation of aeration to Wakefield Lake to mitigate its internal phosphorus load.	630,000	65,000

Budget Line No.	Item & Description	Budget Amount	Change from '26 increase (decrease)
53	Project Repair and Maintenance Provides funds for the maintenance of District projects and our trunk conveyer systems. Additional funds are shown to complete updates on the District office parking lot and exterior. Also includes funds for the continuation of a BMP and NR maintenance program, as well as a contingency fund. See Program Budget Line Item Breakout table.	2,600,000	315,000
54	Wetland and Creek Restoration Projects Provides funds for wetland and creek restoration work throughout the district. With the completion of the Cottage Place wetland restoration project, this fund will be used to finalize that project. See Program Budget Line Item Breakout table.	417,500	(407,500)
55	Flood Risk Reduction Fund Provides funds for flood risk reduction projects. Assistance to cities to reduce flood risks in areas identified by the District modeling of Atlas 14 storm events could also be included. Funds are held in reserves for other project opportunities that may arise. See the Program Budget Line Item Breakout table.	875,000	220,000

Date: July 31st, 2026
To: RWMWD Board of Managers
From: Lauren Hazenson, Communications and Engagement Manager
Subject: Review of the Communications and Engagement Strategic Plan

Attached is the draft Communications and Engagement Plan for your review. This plan is intended to provide a high-level strategic framework that guides the District's communications, education, and community engagement efforts over the next five years. After five years, we will conduct a consultant-led review of all departmental projects and use the findings to determine an updated strategy that will align with the final five years of the 2027-2036 Management Plan.

At this stage, your feedback on the plan's overall direction would help moving forward as we work towards the public comment period, particularly in the following areas:

- Do the goals and objectives reflect the Board's vision and priorities for communications, education, and community engagement?
- Do the proposed strategies support those plan goals in a way that is consistent with the District's mission, core principles, and goals?
- Are there any significant gaps that we should address before the plan is presented to the public for comment?

The strategies and measurables are intended to provide direction while allowing staff the flexibility to adapt implementation as community needs, technologies, and best practices evolve. If any strategy, objective, or performance measure is unclear, or if you have questions about how it would be implemented or evaluated, please let me know. I am happy to give context or discuss the rationale behind any aspect of the plan. Thank you for taking the time to review this draft.

Communications and Engagement Plan

The Communications and Engagement (CE) Department connects people to the Ramsey-Washington Metro Watershed District's (RWMWD) mission by building awareness, fostering meaningful relationships, and inspiring stewardship of local water resources.

Protecting water resources requires more than infrastructure and regulation. Long-term success depends on an informed and engaged public that understands local water issues, values healthy ecosystems, and takes actions that support clean water. The CE Department works to cultivate this culture of stewardship by providing accessible information, creating opportunities for hands-on learning and participation, and building lasting partnerships throughout the watershed. We also use an Engagement Guide to coordinate program delivery to our internal stakeholders, increasing accountability, transparency, and public understanding of our program areas.

Communications, education, and engagement are interconnected and reinforce one another. While communications build awareness and transparency, education fosters a deeper personal connection to our water, and engagement empowers residents and partners to actively protect it. Together, these efforts support the District's mission by strengthening public trust, encouraging stewardship behaviors, and ensuring community voices help inform District decisions.

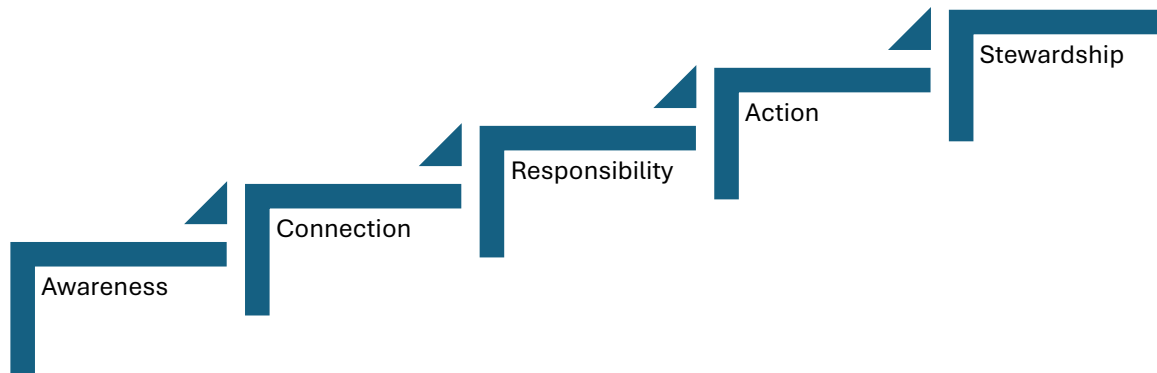
This strategic plan provides a framework for the next five years of communications, education, and engagement work. It establishes long-term priorities while allowing flexibility to adapt communication methods, educational approaches, and engagement strategies as community needs, technology, and best practices evolve. At the completion of the plan in five years, staff will hire consultants to audit our communications and engagement program to assess strengths and areas for improvement before drafting a plan update for the remaining five years of the management plan cycle.

VISION

Goal 1. Foster Behavior Change Through The Community Stewardship Pathway

Creating a Culture of Stewardship Defined: Fostering values, habits, and community norms around protecting and caring for our surface water resources.

At the heart of this plan is the belief that stewardship develops over time, and through multiple interactions. The strategies outlined in this plan are designed to support individuals and communities at every stage of that stewardship journey, creating lasting relationships between people and the waters they depend on.



Awareness

Gain a basic awareness of watersheds, watershed districts, and watershed concepts.

Connection

Develop or deepen relationship and sense of connection to local waterbodies (lakes, ponds, streams, and wetlands).

Responsibility

Accept a role in protecting or maintaining the health of local waterbodies.

Action

Adopt behaviors that benefit local waterbodies and their surrounding habitats.

Stewardship

Individuals share information, advocate, volunteer, or all three.

Goal 2 . Keep District communities informed, involved, and heard

RWMWD is committed to fostering transparent, two-way communication that keeps communities informed about District work, creates meaningful opportunities for participation, and ensures community perspectives help shape decisions. By building trust, encouraging engagement, and listening to our communities, the District strengthens partnerships and promotes stewardship of local water resources.

IMPLEMENTATION STRATEGY

Communications

Primary Stewardship Pathway Step: Awareness

Secondary Stewardship Pathway: Connection to Responsibility

Objective: Increase the visibility of, and strengthen relationships with, the District among watershed residents and community members, particularly among communities with limited prior interaction.

Website Improvement

Strategy 1. A website that is accessible, user-friendly, mobile-optimized, and built to be a dynamic, public-facing communications tool

Measurables:

- All website content, including documents, adheres to Web Content Accessibility Guidelines (WCAG) 2.2 AA guidelines
- A progress dashboard for the management plan and related plans
- A newsroom feature to highlight stories spotlighting RWMWD work in the media
- Plain language standards utilized across the site

Signage and Materials Improvement

Strategy 1. Compelling visual content. Use visual storytelling and creative interpretation to make complex watershed science more understandable, relatable, and memorable.

Measurable: Video and illustrated educational content library

Strategy 2. Written content that is easily accessible and understandable

Measurables:

- All educational and grant materials are available in the top four most used languages in the District.

Priority Audiences

Residents are the primary audience of RWMWD communications. We recognize that resident audiences are varied in their values, needs, and barriers to receiving District communications. Communications audiences will be prioritized based on impact and awareness in all written plans.

These audiences reported lower levels of awareness of Watershed Districts and RWMWD in the 2024 Community Survey:

- Residents under 30
- Renters
- Residents who belong to historically underrepresented communities

The following audiences have sustained or direct impact on local water quality:

- Lakeshore property owners
- Residents who live near completed, planned, or ongoing projects
- Businesses and business groups within District boundaries
- Community-based or faith-based organizations

- All public-facing materials adhere to plain language standards as outlined by the federal government

Social Media

Strategy 1: Utilize social media to drive audiences to our website and newsletters

Measurable: Website conversions from social media and other digital platforms

Strategy 2: Establish three pillars of content to create brand consistency:

- Pillar 1: “*Behind the scenes*”: Content that spotlights staff and makes Watershed Districts and our operations accessible for a public audience
- Pillar 2: *Educational/How-to*: Foster a culture of water stewardship through dynamic and approachable educational content. Create points of access to new practices for beginners
- Pillar 3: *Action*: Promote grants, volunteer opportunities, community events, encourage water-friendly behavior changes

Measurables:

- Number of people reached with social media posts
- Year-over-year 5% growth in social media followers for two or more channels

Media Relations Improvement Strategies

Strategy 1. Utilize more local and hyperlocal media and social media spaces, such as community newspapers

Measurable: Year-over-year increase in local media and social media content.

Strategy 2. Establish thought leadership by developing media-trained experts for interviews or public events.

Thought leadership defined: Thought leadership is the practice of establishing an organization or individual as a trusted, credible source of expertise and innovative ideas within their field.

Measurable: Deliver media training to one staff member from each department

Education

Primary Stewardship Pathway Steps: Awareness to Connection

Secondary Stewardship Pathway Steps: Connection to Responsibility

Objective: Sustain collaborative teacher partnerships, place-based learning, and water stewardship-focused service-learning opportunities in K–12 schools.

Strategy 1. Strengthen collaborative teacher partnerships

The foundation of RWMWD’s K–12 education program is the longstanding partnership between classroom teachers and watershed district staff. These collaborative relationships enable a flexible, responsive curriculum that meets student needs, provides meaningful place-based learning experiences, and connects youth to watershed concepts through hands-on outdoor stewardship and service-learning projects. To sustain and expand the success of this model, RWMWD will continue investing in teacher relationships, curriculum development, and ongoing collaboration that supports engaging, locally relevant environmental education.

Measurable: Teacher resource materials and support for classrooms not currently participating in the RWMWD K-12 in-classroom programming.

Strategy 2. Expand educational opportunities

Increase educational offerings beyond the classroom by developing additional resources for teachers, creating seasonal learning opportunities for adults and teens, expanding the capacity to deliver programming and educational materials in multiple languages, and strengthening relationships with the families of participating students and the broader school community.

Measurables:

- Print and digital materials in at least four languages and interpreter support at one or more events per year.
- Resource toolkit for K-12 educators
- Add 1-2 seasonal adult or teen programs

Strategy 3. Refine program evaluation and administrative systems

Strengthen program evaluation methods by identifying meaningful performance measures, improving data collection and reporting processes, and streamlining administrative tasks to support program effectiveness, continuous improvement, and informed decision-making.

Measurable: *Annual in-person evaluation meetings with teachers*

Strategy 4. Integrate creative expression into watershed education. Use art and creative practices to complement science-based learning and deepen participants' understanding of local water resources.

Creative activities can encourage close observation, personal reflection, and multiple ways of knowing,

helping participants develop meaningful connections to the places they live while making watershed education more accessible to audiences with diverse backgrounds, learning styles, and lived experiences.

Measurables:

- Visual arts, writing, storytelling, music, and other creative practices are incorporated into educational programming.
- Place-based learning experiences co-created with artists, arts organizations, libraries, schools, and cultural organizations
- Educational programs that invite participants to observe, interpret, and express their relationship with local water resources.
- Opportunities for multilingual and multigenerational participation through creative engagement.

Engagement

Primary Stewardship Pathway Steps: Connection to Responsibility, Responsibility to Action, Action to Stewardship

Objective: A welcoming and inclusive environment at all RWMWD spaces and events

Strategy. Conduct RWMWD-hosted event improvements to maximize usability and enjoyment for residents and partners of all abilities

Measurables:

- Post-event satisfaction
- Event attendance and participation
- Event partner satisfaction
- Accessibility policy and procedures for events
- Enhance hybrid capabilities for public meetings and workshops. Use polls, surveys, and input-gathering software when needed.

Objective: Lasting and collaborative partnerships with municipalities and county staff, community-based organizations, higher education institutions, business groups, and cultural organizations

Strategy 1. Conduct one-to-one meetings with community leaders, community-based organizations in equity priority areas, and elected officials

Measurable: Number of one-to-one meetings completed by staff per year

Strategy 2. Co-create or co-design projects with community stakeholders from underrepresented groups

Measurables:

- Number of sustained partnerships
- Number of collaborative projects
- Community partner satisfaction

Volunteer Management

RWMWD benefits from many longstanding volunteers, who make many of our events and education initiatives possible.

Objective: Develop an organization-wide volunteer management program that utilizes industry best practices to ensure all RWMWD volunteers and volunteer supervisors are well supported

Strategy 1. Develop a volunteer recruitment strategy that attracts a variety of skill sets, knowledge levels, and backgrounds.

Measurable:

- Written volunteer recruitment strategy
- Volunteer position descriptions for all roles
- Volunteer postings on external websites and with community organizations

Strategy 2. Improve volunteer onboarding to ensure all RWMWD volunteers have basic knowledge about the District, our programs, and resources.

Measurable:

- Written onboarding and training procedures for all volunteer positions.
- All new volunteers in long term roles receive a general RWMWD training and onboarding

Strategy 3. Maintain or increase volunteer retention.

Measurable: Annual volunteer satisfaction survey

Strategy 4. Recognize volunteer contributions

Measurable: Annual celebration and personalized, individualized recognition.

Strategy 5. Expand skilled volunteer opportunities through training opportunities or volunteer leadership roles.

Measurable: Yearly training opportunities and listed volunteer leader opportunities

Strategy 6. Track volunteer impact

Measurable: Annual report of volunteer hours

Community Advisory Committee

The Community Advisory Committee (CAC) strengthens our connections with the community through member representation from cities, businesses, organizations, and volunteer groups throughout the District, all of whom are dedicated to preserving and improving water resources. Community advisors assist the Board of Managers by providing input on District operations and planning, furthering public education and participation, and supporting event planning and implementation, among other activities. Historically, the CAC has been an active and involved committee with several longstanding members.

Objective: A Community Advisory Committee that exemplifies its purpose outlined in state statute by operating as a dynamic and involved advisory body with members that reflect the wide range of backgrounds and perspectives in the District communities we serve.

Strategy 1: Establish procedures and bylaws that allow for more representation, particularly in geographically assigned positions

Explore term limits for those who have served for over 10 years to encourage rotation in leadership and community representation.

Measurable: CAC representation evolves as a reflection of the changing demographics, stakeholders, and community partnerships of the District communities

Strategy 2: Re-establishment of the advisory function of the committee

Measurable: Annual reviews of the proposed budget, annual workplans, annual reports, and action plans.

Strategy 3: Strengthen the Community Advisory Committee's role as a liaison between the District and the communities it serves.

Encourage members to build and maintain relationships with local governments, community organizations, and business groups.

Measurable: Committee members will engage annually with one local elected official, environmental committee, business association, or community organization relevant to their appointed role.

Strategy 4: Evaluate CAC programs and subcommittees for overall effectiveness in meeting the program objective and implementation strategies listed above, and making recommendations for improvements where necessary.

Measurables:

- CAC subcommittees will solely contain active members of the Community Advisory Committee to allow for efficiency and program consistency.
- CAC will explore evaluation measures and improvement goals for all projects and subcommittees

Administrator's Report

MEMO

TO: Board of Managers and Staff
FROM: Tina Carstens, Administrator
SUBJECT: July Administrator's Report
DATE: July 30, 2026

A. Meetings Attended

Monday, June 29	9:00 AM	CPR and AED Staff Training
Wednesday, July 1	5:00 PM	Board Workshop and Regular Meeting
Thursday, July 2	10:00 AM	Phalen Creek Project Meeting
Monday, July 6	9:30 AM	Conflict Management Staff Training
	2:00 AM	DEIA Subgroup Meeting
Tuesday, July 7	8:30 AM	MAWA Executive Meeting
Wednesday, July 8	11:30 AM	WMP Planning
Monday, July 27	9:30 AM	Barr Budget Meeting
Tuesday, July 28	9:00 AM	Monitoring Program Budget
	11:00 AM	Five Star Project Meeting
	12:30 PM	Natural Resources Program Budget
	2:00 PM	Metro-INET Quarterly Board Meeting
Wednesday, July 29	8:00 AM	Lower Phalen Creek Review Meeting

B. Upcoming Meetings and Dates

MW Summer Tour	August 25-26, 2026
Minnesota Watersheds Resolutions	August 31, 2026
September Board Meeting	September 9, 2026
CAC Meeting	September 22, 2026
October Board Meeting	October 7, 2026
Metro Watersheds Meeting	October 20, 2026
CAC Meeting	October 27, 2026
November Board Meeting	November 4, 2026
Minnesota Watersheds Annual Conference	December 2-4, 2026
CAC Meeting	December 8, 2026
December Board Meeting	December 9, 2026

C. Staff Anniversaries in August

Nicole Maras	August 21	13 years*
Kendra Kloth	August 30	2 years*

*Not including time spent as an intern for the District.

D. Board Action Log and Updates

The board action log is attached. I review this list monthly and incorporate any suggestions from the previous meeting.

E. Minnesota Watersheds Updates

The board always has access to the monthly newsletters by going here:

<https://www.mnwatersheds.com/news-letters>. If you proceed to the members-only section of the website, you can also find the legislative platform and update information.

Attached is the packet provided by Minnesota Watersheds for the meeting on resolutions and petitions on August 31, 2026. The meeting will be held virtually via Zoom at 10:00 AM. Board members can use this time to discuss the resolutions that will be brought to that meeting. Comments on the resolutions can also be sent to me to compile and send to the appointed delegates.

**Minnesota Watersheds
2026 Annual Meeting on Resolutions and Petitions
August 31, 2026
Via Zoom**

Member Meeting Materials

Enclosed are the following items:

1. Notice of Annual Meeting on Resolutions and Petitions
2. Delegate Appointment Form
3. Annual Meeting on Resolutions and Petitions Agenda
4. Minutes of the 2025 Annual Meeting on Resolutions and Petitions
5. Proposed Legislative Platform Updates
6. Proposed Resolutions
7. Active Resolutions

Please note that the Delegate Appointment Forms are **REQUIRED**. For the Annual Meeting on Resolutions and Petitions to be held, **a quorum of 22 delegates MUST be present and must include at least one delegate from each of the three regions.** Please return your Delegate Appointment Forms to Jan Voit at jvoit@mnwatersheds.com at your earliest convenience.

This packet has been distributed to managers, commissioners, administrators, and staff via email. No paper copies of this packet will be sent via the U.S. Postal Service.

**We are looking forward to your participation in this year's
virtual Annual Meeting on Resolutions and Petitions!**

Minnesota Watersheds

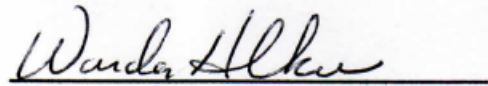
2026 Annual Meeting on Resolutions and Petitions

Notice

NOTICE IS HEREBY GIVEN that the 2026 Annual Meeting on Resolutions and Petitions will be held by Zoom beginning at 10:00 a.m. on Monday, August 31 for the following purposes:

1. to receive and accept the report of the Secretary regarding the 2025 Annual Meeting on Resolutions and Petitions,
2. to consider and act upon proposed Legislative Platform updates, and
3. to consider and act upon proposed Resolutions.

Sincerely,



Wanda Holker
Secretary

Minnesota Watersheds 2026 Delegate Appointment Form

The _____ hereby certifies that it is

name of watershed organization

a watershed district or watershed management organization duly established and in good standing pursuant to Minnesota Statutes 103B or 103D and is a member of Minnesota Watersheds for the year 2026.

The _____ hereby further certifies

name of watershed organization

the following individuals have been appointed as delegates, or as an alternate delegate, all of whom are managers in good standing with their respective watershed district or watershed management organization.

Delegate #1: _____

Delegate #2: _____

Alternate: _____

Authorized by: _____
Signature _____ Date _____

Title

** Please return this form to jvoit@mnwatersheds.com at your earliest convenience. **



Annual Meeting on Resolutions and Petitions

AGENDA

Monday, August 31, 2026

10:00 a.m.

Join online: [CLICK HERE](#)

Join by phone: +1 312 626 6799

Meeting ID: 819 9915 5892

Passcode: 362794

GENERAL BUSINESS

10:00 a.m. Call to Order and Process Overview

10:05 a.m. Approval of Agenda (Action)

ACTION ITEMS

10:05 a.m. **2025 MEETING MINUTES** (Action)

10:10 a.m. **LEGISLATIVE PLATFORM** (Action)

10:30 a.m. **RESOLUTIONS HEARING** (Action)

Note: If you wish to testify "FOR" or "AGAINST", please raise your hand. You must be recognized by the chair before you speak. Limit your comments to two (2) minutes. Voting on each resolution will be done by hand raising.

Resolution 2026-01 – Encouraging DNR and USFWS to Construct Retention Sites on DNR and USFWS Lands for Storing Water

Resolution 2026-02 – Supporting Dedicated State Funding for SWCD and Watershed District Shoreline Management Assistance

Resolution 2026-03 – Supporting Statewide Training and Certification for Shoreline Management Staff

Resolution 2026-04 – Supporting Improved Public Education and Updated Shoreline Management Guidance

Resolution 2026-05 – Supporting Rule and Process Improvements for Public Waters Shoreline Alteration Management

Resolution 2026-06 – Seeking Revision of Minnesota State 477A.19 to Preserve \$10 Million of Aquatic Invasive Species Prevention Aid

Resolution 2026-07 – Seeking Establishment of a Hazard Mitigation Fund

Resolution 2026-08 – Seeking Legislation that Allows Stormwater as an Alternative Water Source for Outdoor Uses

Resolution 2026-09 – To Protect Lake Ecosystems and Shoreline Integrity from Wake Boat Impacts

12:30 p.m. **ADJOURNMENT**

Minnesota Watersheds | 1005 Mainstreet | Hopkins, MN 55343 | mnwatersheds.com

For more information, contact Jan Voit, jvoit@mnwatersheds.com | 507-822-0921

Minnesota Watersheds

Annual Meeting on Resolutions and Petitions

By Zoom

August 25, 2025



1. CALL TO ORDER

The 2025 Minnesota Watersheds Annual Meeting on Resolutions and Petitions was convened at 10:00 a.m. by President Brad Kramer, Shell Rock River Watershed District (SRRWD). Twenty two delegates, with at least one delegate from each region, were required for a quorum. There were 33 delegates in attendance when the meeting began, representing all three regions. A quorum was present. The list of delegates can be found at the end of these minutes.

President Kramer explained meeting etiquette. Hand raising was practiced.

2. GENERAL BUSINESS

Agenda

Marcie Weinandt, Rice Creek Watershed District (RCWD) moved to approve the agenda. Mike Lee, SRRWD seconded the motion. The motion passed by hand raising.

3. LEGISLATIVE PLATFORM CHANGES

President Kramer reported on the proposed changes to the Legislative Platform as provided in the meeting packet. Don Pereira, Valley Branch Watershed District (VBWD) moved to approve the Legislative Platform changes. James Johnson, Roseau River Watershed District (RRWD) seconded the motion. The motion passed by hand raising.

4. RESOLUTIONS HEARING

Don Pereira, VBWD moved to open the Resolutions Hearing. The motion was seconded by Jill Crafton, Riley-Purgatory-Bluff Creek Watershed District (RPBCWD) which passed by hand raising. Don Pereira, VBWD, presided over the Resolutions Hearing.

Resolution 2025-01 Resolution Supporting a Legislative Amendment to Expand the Wetland Conservation Act Exemption of Public Drainage System Repairs

Nick Tomczik, RCWD presented the resolution. Marcie Weinandt, RCWD, moved to adopt Resolution 2025-01. Shawn Mazanec, Capitol Region Watershed District (CRWD) seconded the motion.

The vote on the motion to adopt Resolution 2025-01 was passed by hand raising: 30 in favor, nine opposed.

- **Adopted Resolution 2025-1: NOW, THEREFORE, BE IT RESOLVED** that Minnesota Watersheds supports the introduction of new legislation to amend Minnesota Statutes 103G.2241 and MN Rule 8420.0420 to expand the WCA exemption to include all public drainage system repairs and commits its staff to further discussion through the Drainage Work Group in 2025 to promote passage of such legislation in upcoming sessions.

Resolution 2025-02 Resolution Seeking Revision to MN Statute 383B.79 to Include Watershed Management Organizations

Laura Jester, Bassett Creek Watershed Management Commission presented the resolution. Jill Crafton, RPBCWD, moved to adopt Resolution 2025-02. Chris-Ann Lauria, Nine Mile Creek Watershed District, seconded the motion.

The vote on the motion to adopt Resolution 2025-02 was passed by hand raising: 40 in favor, three opposed.

- **Adopted Resolution 2025-02: NOW, THEREFORE, BE IT RESOLVED** that Minnesota Watersheds seeks a revision to Minnesota Statutes, section 383B.79, Subd. 1 to explicitly include “joint powers watershed management organizations entirely or partially located in Hennepin County” to the list of political subdivisions that can participate in the county’s multijurisdictional reinvestment programs.

Resolution 2025-03 Resolution Seeking Legislative Reform to Increase MDNR and MPCA Permit Efficiency and Define Permit Application Completeness

Jan Voit, Minnesota Watersheds and Tim Kelly, Coon Creek Watershed District (CCWD) presented the resolution. Jason Lund, CCWD moved to adopt Resolution 2025-03. James Johnson, RRWD, seconded the motion. The vote on the motion to adopt Resolution 2025-03 was passed by hand raising: 38 in favor, two opposed.

- **Adopted Resolution 2025-03: NOW, THEREFORE, BE IT RESOLVED** that Minnesota Watersheds shall pursue legislation to amend Minnesota Statutes 15.99, 84.027, and 116.03 to:
 - separate permit completeness review from compliance standards review so that statutory deadlines for permit decisions are meaningfully triggered.
 - require MDNR and MPCA to develop and publish a list of practical, reasonable information and criteria that constitutes a complete permit application.
 - mandate that, once submitted by the applicant, the application is deemed complete and allows review timelines to begin.
 - require MDNR and MPCA to notify an applicant in writing, within 30 days of receiving a permit application, whether the application is complete or incomplete. If the agency determines the application is incomplete, specific provisions of applicable rules and statutes must be cited, an explanation of what additional information is needed must be provided, and the agency must advise the applicant how the deficiencies can be remedied. If action on the permit application is not completed within 150 days, the permit is deemed to be granted.

BE IT FURTHER RESOLVED that:

- the Board of Water and Soil Resources establish a formal process to distribute, on an annual basis, an accurate and complete list identifying Calcareous Fens to all watershed districts, watershed management organizations, and soil and water conservation districts.
- pre-application meetings shall be required upon request by a qualified local agency with a project identified in state-approved plans, Watershed Restoration and Protection Strategies, or other recognized water quality studies. Such meetings shall be scheduled within four weeks of the request.
- local agencies requesting such meetings must provide 10% - 20% design-level plans with sufficient specificity to identify natural resource concerns and constraints.
- failure of either MDNR or MPCA to attend a requested pre-application meeting shall be construed as satisfaction of relevant permitting standards, allowing the project to proceed toward final design and permitting.

Shawn Mazanec, CRWD, moved to close the resolutions hearing. Jill Crafton, RPBCWD, seconded the motion which passed by hand raising.

5. ADJOURNMENT

President Kramer thanked the members for their participation in the meeting. He thanked Don Pereira for chairing the Resolutions Hearing. The meeting adjourned at 11:39 a.m.

Wanda Holker, Secretary

REGION 1	Delegate 1	Delegate 2	Alternate
Bois de Sioux Watershed District	Linda Vavra		
Buffalo-Red River Watershed District	Peter Fjestad	Cathy Affield	
Cormorant Lakes Watershed District	None		
Joe River Watershed District	None		
Middle-Snake-Tamarac Rivers	Bill Petersen	Lein Schiller	
Pelican River Watershed District	Laurie Olson	Rick Michaelson	
Red Lake Watershed District	Gene Tiedemann		
Roseau River Watershed District	Jim Johnson	LaVerne Voll	
Sand Hill River Watershed District	Don Andringa		
Two Rivers Watershed District	Jerry Olsonawski	Daryl Klegstad	
Warroad River Watershed District	None		
Wild Rice Watershed District	Mike Christensen	Duane Erickson	
REGION 2	Delegate 1	Delegate 2	Alternate
Buffalo Creek Watershed District	None		
Cedar River Watershed District	None		
Clearwater River Watershed District	None		
Crooked Creek Watershed District	None		
High Island Creek Watershed District	None		
Kanaranzi-Little Rock Watershed District	None		
Lac Qui Parle-Yellow Bank Watershed District	Andrew Weber		
Middle Fork Crow River Watershed District	Ruth Schaefer	Jeff Gertgen	
North Fork Crow River Watershed District	Bob Brauchler	Jim Barchenger	Jim Weller
Okabena Ocheda Watershed District	Casey Ingenthron	Tom Ahlberg	
Shell Rock River Watershed District		Mike Lee	Brad Kramer
Turtle Creek Watershed District	None		
Upper Minnesota River Watershed District	Wanda Holker	Jon Bork	
Yellow Medicine River Watershed District	Tim Buysse	Randy Kamrath	
REGION 3	Delegate 1	Delegate 2	Alternate
Bassett Creek WMC	Joan Hauer		
Brown's Creek Watershed District	Celia Wirth		
Capitol Region Watershed District	Hawona Sullivan Janzen	Shawn Mazanec	Joe Collins
Carnelian Marine St. Croix Watershed District	Paul Richert	Nick Bancks	
Comfort Lake - Forest Lake Watershed District	Jackie Anderson		
Coon Creek Watershed District	Jim Hafner	Jason Lund	
Minnehaha Creek Watershed District	Bill Olson	Steve Sando	
Mississippi WMO	None		
Nine Mile Creek Watershed District	Chris-Ann Lauria	Brian Kirk	
Prior Lake Spring Lake Watershed District	Beverly Burnett	Bruce Loney	
Ramsey Washington Metro Watershed District	Benjamin Karp		Mark Gernes
Rice Creek Watershed District	Marcie Weinandt		
Riley Purgatory Bluff Creek Watershed District	Jill Crafton	Tom Duevel	
South Washington Watershed District	Mike Madigan	Emily Stephens	
Vadnais Lake Area WMO	None		
Valley Branch Watershed District	Don Pereira	Ed Marchan	



**MINNESOTA
WATERSHEDS**
Connecting People. Protecting Water.

2025-2026 LEGISLATIVE PLATFORM

Abstract

This document articulates clearly defined legislative policies so members and Minnesota Watersheds representatives on the Board of Water and Soil Resources Board, Clean Water Council, and Local Government Water Roundtable can accurately state our positions.

Adopted December 5, 2025

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Purpose

Minnesota Watersheds represents both watershed districts and watershed management organizations (collectively referred to as Watersheds). That representation underscores the necessity of protecting Watershed powers, duties, and planning responsibilities on a watershed basis.

This legislative platform outlines Minnesota Watersheds positions on legislative matters and serves as the foundation for our organization to support or oppose various local, state, and federal legislation. The legislative platform is based on adopted resolutions and emerging issues as identified by the MAWA Legislative Platform Committee and the Minnesota Watersheds Resolutions and Legislative Committees and adopted by the membership. It also is designed to clearly articulate defined legislative policies so members and Minnesota Watersheds representatives on the Board of Water and Soil Resources Board, Clean Water Council, and Local Government Water Roundtable can accurately state our positions.

When a resolution sunsets at the end of five years, it is removed from our Active Resolutions but remains as a policy in the Legislative Platform.

Emerging Issues

New or developing problems or concerns may arise that require attention before or during the legislative session. Those problems or concerns likely have not been addressed through the resolutions process, may or may not be identified in the legislative platform, but will need to be addressed by the lobbying team and executive director through attendance and meetings, written comments, testifying at hearings, or legislation. Flexibility is necessary so that the lobbying team and executive director can be proactive on behalf of Minnesota Watersheds with state agencies, non-governmental organizations, and at the legislature.

The Minnesota Watersheds Manual of Policy and Procedures states: *In the event legislation or state agency policy is introduced that may cause harm to Minnesota Watersheds members and there is no policy adopted by Minnesota Watersheds on the issue, the Minnesota Watersheds Board of Directors may review the legislation or policy and adopt a temporary position on the issue on behalf of the organization. The policy position will be in effect until the next annual resolutions hearing. At that time, the membership must review the policy position and vote on whether it should become a permanent policy position or should expire.*

Finance

Watersheds are tasked with many responsibilities by Minnesota statute and local priorities are set by their boards. To effectively perform those duties, adequate funding is necessary. Although some Watersheds have levy authority, there are many other avenues of funding that are important for achieving local water management, as well as water quality and quantity goals.

1. Capacity

- a. Support Clean Water Funds for implementation, not capacity (Resolution 2021-01A and B)
- b. Support capacity funding for watershed districts (Resolution 2021-02)
- c. Seek Revision to MN Statute 383B.79 to Include Watershed Management Organizations (Resolution 2025-02)
- d. Support General Fund repayment of Soil and Water Conservation District capacity funds to the Clean Water Fund

2. Grant Funding

- a. Support metro watershed-based implementation funding for approved 103B plans only (Resolution 2021-07)
- b. Support a more equitable formula for watershed-based implementation funding in the metro
- c. Lobby for watershed-specific grant funding
- d. Lobby for the flood hazard mitigation grant program

Urban Stormwater

Watersheds and land use management partners work to reduce polluted stormwater runoff and/or increase infiltration from urbanization and hard surfaces. Many Watersheds in the state have adopted regulatory standards and/or official controls to successfully manage urban stormwater when land alterations occur. Watersheds also implement a variety of urban stormwater management practices to treat runoff before it enters our lakes, streams, and wetlands.

1. Stormwater Quality Treatment

- a. Support limited liability for certified commercial salt applicators (Resolution 2022-02)
- b. Support, partner/collaborate with a municipal separate storm sewer system (MS4s – municipal separate storm sewer system) (if/where appropriate) in permit compliance activities
- c. Support the use of green infrastructure and minimizing impervious surfaces, where practical, in urban development and planning
- d. Where it may exist, support removing duplication of urban stormwater regulatory standards and controls
- e. Support the rescission of the Department of Labor and Industry/Plumbing Board Final Interpretation of Inquiry PB0159, storm drainage surcharge to return to common engineering practice for stormwater pond design

2. Water Reuse

- a. Support the Stormwater Reuse Task Force and for the Minnesota Department of Health to complete a review process (Resolution 2022-01)
- b. Support efforts to clarify and simplify State Plumbing Board rulings and requirements to facilitate more reuse of rainwater/stormwater

Water Quantity

Watersheds are directed by statute to conserve the natural resources of the state by land use planning, flood control, and other conservation projects. Specific purposes refer to flood damage reduction, stream flows, water supply, and drainage systems, as well as to identify and plan for effective protection and improvement of surface water and groundwater, and to protect and enhance fish and wildlife habitat and water recreational facilities. Numerous past, present, and future legislative initiatives have affected how water quantity issues are managed at the local level. This very broad-based topic includes management of the volume of water (drought, flooding, water supply), the flow of water (drainage, storm water, channel restoration, habitat), and recreational (lakes, rivers, wetlands) activities like fishing, boating, and hunting.

1. Drainage

- a. Support the current statutory requirements for notification and coordination in the development of petitioned repairs, drainage improvement projects, and new drainage systems
- b. Support the addition of a classification for public drainage systems that are artificial watercourses
- c. Seek increased support for and participation in the Drainage Work Group (Resolution 2022-03)
- d. Oppose the drainage registry information portal
- e. Oppose incorporating increased environmental, land use, and multipurpose water management criteria (M.S. 103E.015 requirements)
- f. Support new legislation modeled after HF2687 and SF2419 (2018) regarding Department of Natural Resources regulatory authority over public drainage maintenance and repairs (Resolution 2023-03)
- g. Support a Legislative Amendment to Expand the Wetland Conservation Act Exemption of Public Drainage System Reports (Resolution 2025-01)
- h. Oppose mandatory Environmental Assessment Worksheets for drainage projects
- i. Investigate ways of maintaining water flow during periods of drought and explore opportunities for aquifer recharge
- j. Support increased state funding for planning and implementation of multipurpose drainage projects
- k. Oppose state rulemaking to regulate agricultural drainage
- l. Clarify that MPCA and DNR coordinate their activities, wherever appropriate, with the activities of watershed organizations and give deference to local government units implementing approved watershed management plans, comprehensive watershed management plans adopted under section 103B.801, total maximum daily load studies, and watershed restoration and protection strategies

2. Funding

- a. Obtain stable funding for flood damage reduction and natural resources enhancement projects (Resolution 2022-05)
- b. Clarify county financing obligations and/or authorize watershed district general obligation bonding for public drainage projects

3. Flood Control

- a. Support crop insurance to include crop losses within impoundment areas (Resolution 2021-05)
- b. Seek action for streamlining the Department of Natural Resources Flood Hazard Mitigation Grant Program (Resolution 2023-04)

4. Regulation

- a. Support temporary water storage on Department of Natural Resources wetlands during major flood events
- b. Support managing water flows in the Minnesota River Basin (statewide) through increased water storage and other strategies and practices

- c. Work with Minnesota Department of Transportation to support flood control and how to handle increased water volume issues along state and federal highway systems (example from Bemidji district of the Minnesota Department of Transportation)

5. Policy

- a. Support funding for watershed-based climate resiliency projects and studies
- b. Support funding for best management practices that protect and enhance groundwater supply
- c. Seek the ability to allow resale of acquisition buyout property (Resolution 2024-04)

Water Quality

Protecting and improving the quality of surface and ground water in our Watersheds is an essential component of managing water resources on a watershed basis.

1. Lakes

- a. Support limiting wake boat activities (Resolution 2022-06)
- b. Support designation change and research needs for the Chinese Mystery Snail
- c. Support temporary lake quarantine authorization to control the spread of aquatic invasive species
- d. Support streamlining permit applications for rough fish management
- e. Support dredging as a best management practice to manage internal phosphorus loads in lakes

2. Wetlands

- a. Support a statutory requirement for water level control structures in wetland restorations and wetland banks
- b. Support federal, state, and local funding for wetland restoration and protection activities
- c. Seek clarification of the statutorily modified definition of wetlands and the effects on watershed implementation of the Wetland Conservation Act ([Minnesota Laws 2024, Chapter 90, Article 3, section 77](#))

3. Rivers and Streams

- a. Support a statutory deadline for Department of Natural Resources Public Waters Work Permits (45-60 days)
- b. Support automatic transfer of public waters work permits to Watersheds (M.S. Chapter 103G.245 Subd.5)

4. Policy

- a. Support funding for watershed-based climate resiliency projects and studies
- b. Support funding for best management practices that protect groundwater quality
- c. Support development, adoption, and implementation of regulatory approaches to reducing chloride contamination in waters of the state (Resolution 2024-01)

Watershed Management and Operations

Protecting, enhancing, defending, and supporting existing Watershed statutory powers, duties, and planning responsibilities is necessary for effective and efficient watershed management and operations.

Specific Watershed powers, duties, and planning responsibilities are contained in Minnesota Statutes [Chapter 103B](#) and [Chapter 103D](#).

1. Watershed Powers

- a. Support and defend eminent domain powers [and the statutory appeals process](#) for watershed districts [as provided in M.S. 103D and 103E](#)
- b. Support Watershed powers to levy property taxes and collect special assessments
- c. Support a watershed district's power to accept the transfer of drainage systems in the watershed; to repair, improve, and maintain the transferred drainage systems; and to construct all new drainage systems and improvements of existing drainage systems in the watershed
- d. Support a Watershed's power to regulate the use and development of land within its boundaries

2. Watershed Duties

- a. Support a Watershed's duty to initiate projects
- b. Support a Watershed's duty to maintain and operate existing projects
- c. Allow alternative notice of watershed district proceedings by publication on the district's website (Resolution 2024-02)
- d. Support a Legislative Amendment to Clarify the Deadline for Watershed Districts to Certify Levies (Resolution 2025-06)

3. Watershed Planning

- a. Support a Watershed's ability to jointly or cooperatively manage and/or plan for the management of surface and ground water
- b. Support the connection between watershed-based implementation and funding
- c. Support development of a soil health goal for metropolitan watershed management plans
- d. Support education and outreach to encourage formation of watershed districts in unserved areas (Resolution 2023-06)

~~4. Human Resources~~

- ~~Seek revision to Minnesota Statute 471.617 to Include Watershed Districts and Watershed Management Organizations (Resolution 2025-04)~~

Agency Relations

Watershed organizations work with many federal and state agencies to accomplish their mission. While relationships vary from administrative to funding and regulatory, agency policies and procedures can have a major impact on Watershed operations and projects. Maintaining strong, positive relations and ensuring Watersheds have a role in policy making is key to successful watershed management and operations.

1. Advocacy

- a. Require a 60-day review period before state agencies adopt new policies related to water and watershed management (Resolution 2021-06)
- b. Increase collaborative efforts between Minnesota Watersheds and all state agencies involved in water management

2. Representation

- a. Support watershed district managers being appointed, not allowing county commissioners to serve as managers

3. Regulation

- a. Streamline the Department of Natural Resources permitting process by increasing responsiveness, decreasing the amount of time it takes to approve permits, providing a detailed fee schedule prior to application, and conducting water level management practices that result in their reaction more quickly to serious, changing climate conditions
- b. Require watershed district permits for all state agencies (Resolution 2023-01)
- c. Oppose mandatory Environmental Assessment Worksheets for drainage projects
- d. Request support to request new legislation to set permit review time limits upon the Department of Natural Resources (Resolution 2024-13)
- e. Seek Legislative Reform to Increase MDNR and MPCA Permit Efficiency and Define Permit Application Completeness (Resolution 2025-03)
- f. Improve Mitigation Under the Minnesota Endangered Species Act (Resolution 2025-05)

Regulations

Watershed representation on state and local panels and committees and the ability for Watersheds to regulate development and use of land within the organization's boundaries without prohibitive regulatory restrictions is necessary.

- a. Oppose legislation that forces spending on political boundaries
- b. Support the ability to appeal public water designations
- c. Seek Watershed membership on Wetland Technical Evaluation Panels (Resolution 2024-03)

Natural Resources

Minnesota Statutes direct Watersheds to conserve the natural resources of the state. Some of the purposes listed in statute are to conserve water in streams and water supply, alleviate soil erosion and siltation of water courses or water basins, regulate improvements by riparian property owners of the beds, banks, and shores of lakes, streams, and wetlands for preservation and beneficial public use; protect or enhance the water quality in water courses or water basins; and protect and preserve groundwater resources.

1. Planning

- a. Ensure timely updates to Wildlife Management Area plans
- b. Support Watershed inclusion in development of state plans (i.e., Prairie Plan, State Water Plan, etc.) related to water and watershed management

2. Policy

- a. Support funding for climate resiliency
- b. Seek clarification in the statutory language regarding funding for and updating the public waters inventory ([Minnesota Laws 2024, Chapter 116, Article 3, section 47](#))
- c. Seek the Department of Natural Resources to establish a "Comprehensive Guideline for Calcareous Fen Management" (Resolution 2024-05)

- d. Seek the Department of Natural Resources to adopt a program to incentivize calcareous fen management on private lands (Resolution 2024-07)
- e. Seek a formal process to distribute a complete list of calcareous fens annually (Resolution 2024-10)
- f. Seek the development of a calcareous fen work group (Resolution 2024-12)

3. Habitat

- a. Clarify buffer rule issues
- b. Support funding to reduce erosion and sedimentation
- c. Support funding for the enhancement, establishment, and protection of stream corridors and riparian areas
- d. Support funding for the enhancement and protection of habitats

Results

This section will document when an issue is resolved.

Water Quantity

Drainage (2024)

- Comply with the legislative mandate to review outlet adequacy and notification requirements in the Drainage Work Group
 - During the 2023 legislative session ([Minnesota Laws 2023, Chapter 60, Article 5, section 21](#)), BWSR and the DWG were directed by the legislature to evaluate and develop recommendations on the definition and application of outlet adequacy as provided in M.S. Chapter 103E.261 and public notice requirements for drainage activities, including a drainage registry portal. The report was developed during DWG meetings following the 2023 legislative session. The report was submitted to the legislature on February 1, 2024 as required by the statutory language.

Watershed Management and Operation

Human Resources (2026)

- Seek revision to Minnesota Statute 471.617 to Include Watershed Districts and Watershed Management Organizations (Resolution 2025-04)
 - *SF3887 Pratt, Klein/HF3571 Bakeberg, Tabke, Cha, McDonald. A bill for an act relating to local government; allowing watershed districts to self-insure for certain employee health benefits; making technical changes; amending Minnesota Statutes 2024, section 471.617, subdivisions 1, 2, 4, 4a. Passed both the House and Senate. Signed into law by Governor Walz on May 5.*

Watershed Duties (2025)

- Support increased flexibility in the open meeting law
 - During the 2025 legislative session, the Open Meeting Law was amended to remove some of the requirements for remote meeting participation using interactive technology. Watershed boards and other local government bodies may conduct their meetings using interactive technology so long as:

- all members of the body participating in the meeting, wherever their physical location, can hear and see one another and can hear and see all discussion and testimony presented at any location at which at least one member is present;
- members of the public present at the regular meeting location of the body can hear and see all discussion and testimony and all votes of members of the body;
- at least one member of the body is physically present at the regular meeting location; and
- all votes are conducted by roll call so each member's vote on each issue can be identified and recorded.

Watershed Planning (2024)

- Support watershed autonomy during and following a One Watershed, One Plan development process
 - Changes were made to clarify and modernize M.S. Chapter 103D during the 2024 legislative session ([Minnesota Laws 2024, Chapter 90, Article 3, section 42](#)). M.S. Chapter 103D.401 was clarified that a watershed district maintains the authority to adopt a plan even when participating in a comprehensive watershed management planning program under section 103B.801 (One Watershed, One Plan/1W1P).

Legislative Committee Recommendations



The committee’s recommendations on resolutions are as follows.

#	Resolution Title	Committee Recommendation
1	Encouraging DNR and USFWS to Construct Retention Sites on DNR and USFWS Lands for Storing Water	Recommends adoption
2	Supporting Dedicated State Funding for SWCD and Watershed District Shoreline Management Assistance	Recommends adoption
3	Supporting Statewide Training and Certification for Shoreline Management Staff	Recommends adoption
4	Supporting Improved Public Education and Updated Shoreline Management Guidance	Recommends adoption
5	Supporting Rule and Process Improvements for Public Waters Shoreline Alteration Management	Recommends adoption
6	Seeking Revision of Minnesota State 477A.19 to Preserve \$10 Million of Aquatic Invasive Species Prevention Aid	Recommends adoption
7	Seeking Establishment of Hazard Mitigation Fund	Recommends adoption
8	Seeking Legislation that Allows Stormwater as an Alternative Water Sources for Outdoor Uses	Recommends adoption
9	To Protect Lake Ecosystems and Shoreline Integrity from Wake Boat Impacts	Recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-01

Resolution Encouraging DNR and USFWS to Construct Retention Sites on DNR and USFWS Lands for Storing Water

Proposing District: Wild Rice Watershed District
Contact Name: Tara Jensen, Administrator
Phone Number: 218-784-5501
Email Address: tara@wildricewatershed.org

Background that led to submission of this resolution:

Our Board of Managers feels that land owned by DNR and USFWS would provide opportunities for retention sites to store excess waters on wetlands owned and controlled by DNR and USFWS.

The primary goal outlined in the resolution is to reduce the frequency and severity of flooding impacts across Minnesota by increasing the capacity to temporarily store excess water during major flood events. The resolution emphasizes the strategic use of existing wetlands owned and managed by the DNR and USFWS as potential retention sites. This approach is intended to protect both public and private property by reducing downstream flood risks and providing opportunities for habitat improvements.

Additionally, the resolution supports a coordinated, interagency approach, including watershed districts, state agencies, and federal partners, to evaluate and implement these opportunities through a formal review process. The resolution does not establish detailed technical criteria or reference specific management plans; rather, it sets a policy direction and framework for further evaluation and collaboration.

The resolution proposes the establishment of a committee to work collaboratively with the DNR and USFWS to identify existing wetlands on public lands that could serve as floodwater retention sites.

While the resolution itself does not specifically reference LiDAR or other geospatial tools, the intent is to conduct a systematic identification and evaluation process of publicly owned wetlands. This effort will be improved by the high-resolution LiDAR that has been collected across the state of Minnesota. The ultimate tools and methodologies for that evaluation are not defined within the resolution and would be determined through coordination with the participating agencies.

Efforts to solve the problem

Our staff has worked with DNR to construct a control structure on the Goose Prairie WMA to allow excessive flood waters to be held during an identified date range in the spring. This structure allows excess floodwaters to be temporarily retained during a defined window in the spring, demonstrating the feasibility of using existing public wetlands for managed floodwater storage. This effort provides a successful, real-world example of how interagency coordination can result in functional projects that help reduce downstream flood impacts while also providing opportunities to improve habitat.

We would like there to be more effort and communication to encourage DNR and USFWS to review other parcels in which water could be stored to alleviate downstream flooding impacts.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Communicate the possibility to utilize public lands to store water with legislators in an effort to have them support the resolution and develop a committee to review public lands and potential storage opportunities which can occur on them.

Anticipated support or opposition

This resolution would be of interest to other watershed districts, counties, cities and wildlife organizations.

This issue: (check all that apply)

Applies only to our district		Requires legislative action	
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-01

Resolution Encouraging DNR and USFWS to Construct Retention Sites on DNR and USFWS Lands for Storing Water

WHEREAS, the WRWD discussed the frequent, severe floods within the State of Minnesota and further discussed ways to reduce flood impacts; and

WHEREAS, it is the WRWD's desire for watershed districts and other drainage authorities within the State of Minnesota to discuss with the DNR and the USFWS about the construction of retention sites on certain existing wetlands owned by the Minnesota DNR and U.S. Fish and Wildlife Service for the temporary diversion and storage of excess water in times of major flood events within said retention sites as doing so would reduce flood impacts to both private and public property.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds appoint a committee to meet with the DNR and USFWS, identify existing wetlands owned by DNR and USFWS that could serve as retention sites, and discuss the potential for construction of retentions sites and storage of excess waters on said existing wetlands owned and controlled by DNR and USFWS in times of major flood events.

Notes: Committee recommends adoption

Summary Background and Rationale for Shoreline Management Resolutions #2 - #5

Background that led to the submission of these resolutions

Minnesota's natural shorelines are continuing to disappear, contributing to degraded lake water quality, reduced habitat, and declining aquatic biological health. The 2023 Natural Shoreline Partnership report, *Minnesota's Vanishing Natural Shorelines: A Loss that Contributes to Degraded Lake Quality*, found that approximately 40 to 50 percent of Minnesota's natural shorelines have already been lost, and that natural shoreline loss is continuing at an estimated rate of 1 to 2 percent per decade. The report also found that mowed "lawn down to lake" shorelines allow 7 to 9 times more phosphorus to enter lakes than naturally vegetated shorelines and recommends a reasonable protection and restoration goal that 75 percent of a shoreline exist in natural vegetation at least 25 feet landward from the lake.

To explore this issue in greater depth, the statewide Natural Shoreline Partnership formed a Shoreline Protection Subcommittee to identify ways to improve how state agencies, local governments, SWCDs, watershed districts, and other partners regulate and provide technical services for shoreline property owners. The Subcommittee met several times between September 2024 and April 2025 to review challenges with existing state and local rules, DNR Public Water Restoration Rules, shoreline assessments, sand blankets, ice heaves, general permits, and DNR enforcement procedures.

A central conclusion of the Subcommittee was that Minnesota's public waters rules are not necessarily the primary barrier to natural shoreline protection. Rather, many of the most significant challenges arise from how shoreline alteration rules are explained to the public, how those rules are administered, how consistently they are applied, and how state and local governments coordinate on projects that often affect areas both above and below the ordinary high water level.

Several recurring issues were identified. Public-facing DNR guidance for riprap, sand blankets, and ice-heave repair may be outdated, misunderstood, or applied inconsistently. "No permit required" shoreline activities can be difficult to track and verify. Criteria for determining demonstrated erosion need are not always clear. Coordination among DNR, SWCDs, watershed districts, counties, cities, and townships varies across the state. Public agencies have also lost technical capacity for natural shoreline restoration, bioengineered stabilization, and field-based landowner assistance.

These issues create practical problems for landowners, contractors, local governments, and state agencies. Landowners may receive inconsistent information. Contractors may rely on long-standing practices that do not fully protect natural shoreline functions. Local governments may be asked to respond to shoreline impacts without adequate funding, training, or technical support. DNR staff may face increasing expectations without updated guidance, consistent procedures, or sufficient interagency coordination.

The following four resolutions are intended to address these related but distinct needs:

1. **Dedicated State Funding for Local Shoreline Management Assistance** — to build local capacity for landowner assistance, site evaluations, project review, restoration support, and permit coordination.
2. **Statewide Shoreline Management Training and Certification Program** — to improve consistency and technical understanding among state and local staff involved in shoreline evaluation, restoration, permitting, compliance, and landowner assistance.
3. **Updated Public Shoreline Guidance and Education** — to replace outdated public-facing shoreline alteration guidance and improve statewide communication about natural shoreline protection, bioengineering, riprap, sand blankets, ice-heave repair, permits, and alternatives to hard armoring.
4. **Public Waters Rule and Process Improvements for Shoreline Alterations** — to improve consistency in DNR implementation, develop clearer shoreline evaluation procedures, strengthen coordination among agencies and local governments, address recurring contractor violations, and improve rule and process clarity.

Together, these resolutions request that Minnesota Watersheds support state agency advocacy and, where necessary, legislative action to improve natural shoreline protection and restoration. The intent is not to create unnecessary regulation, but to make shoreline management more consistent, practical,

understandable, and effective for landowners, contractors, local governments, and state agencies while better protecting Minnesota's public waters and natural shoreline functions.

This issue applies statewide and affects watershed districts, watershed management organizations, SWCDs, counties, cities, townships, lake associations, landowners, contractors, DNR, BWSR, MPCA, and other partners involved in shoreline management and public waters protection.

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS RESOLUTION 2026-02

Resolution Supporting Dedicated State Funding for SWCD and Watershed District Shoreline Management Assistance

Proposing District: Carnelian Marine St. Croix Watershed District
Contact Name: Mike Isensee, Administrator
Phone Number: 612-839-6492
Email Address: mike.isensee@cmscwd.org

Background that led to the submission of this resolution

Minnesota's natural shorelines continue to be lost or degraded through cumulative shoreline alterations, vegetation removal, hard armoring, grading, sand blankets, and other activities that reduce water quality, habitat, and lake resilience. Local governments, including Soil and Water Conservation Districts, watershed districts, watershed management organizations, counties, cities, and townships, are often the first point of contact for landowners seeking help with shoreline stabilization, restoration, permitting, and natural shoreline alternatives.

As the Minnesota Department of Natural Resources and other partners improve shoreline evaluation, guidance, and implementation of public waters restoration and shoreline management requirements, additional workload will likely fall on local partners. Many SWCDs and watershed districts do not currently have dedicated funding or staff capacity to provide consistent technical assistance, site visits, project review, landowner support, monitoring, and follow-through for shoreline management.

Successful shoreline protection depends on timely, locally available assistance that helps landowners understand and implement natural shoreline practices before hard armoring or other damaging alterations occur.

Efforts to solve the problem

The statewide Natural Shoreline Partnership has documented the continuing loss of natural shoreline and the need for stronger coordination, education, technical assistance, incentives, and restoration support. A Shoreline Protection Subcommittee later examined shoreline alteration management in more detail and identified a need to rebuild local and state technical capacity for natural shoreline restoration, bioengineering, landowner assistance, and coordinated review.

Local governments, SWCDs, watershed districts, and lake associations already provide outreach and technical support where capacity exists. However, this assistance is inconsistent statewide because it often depends on local funding, grants, or limited staff availability.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Yes. Legislative action is likely needed to establish dedicated and ongoing state funding for local shoreline management assistance.

The purpose of legislative action would be to create a stable state funding source that supports SWCDs, watershed districts, watershed management organizations, and other local partners in providing shoreline technical assistance, landowner site visits, project design support, permit coordination, monitoring, and implementation assistance.

If legislative action is not immediately pursued, Minnesota Watersheds should advocate with DNR, BWSR, MPCA, and legislative committees to recognize shoreline management as a shared state-local responsibility and to include shoreline technical assistance in future state funding programs.

Anticipated support or opposition

Support is anticipated from watershed districts, watershed management organizations, SWCDs, lake associations, local governments, fisheries and habitat advocates, and organizations working to protect water quality and aquatic life.

Opposition or concern may come from parties concerned about new state spending or increased local government involvement in shoreline projects. These concerns can be addressed by emphasizing that the funding is intended to provide practical landowner assistance, improve consistency, reduce confusion, and support voluntary natural shoreline restoration before enforcement or regulatory conflicts occur.

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions	x	Requires state agency advocacy	x
Applies to the entire state		Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-02

Resolution Supporting State Funding for SWCD and Watershed District Shoreline Management Assistance

WHEREAS, Minnesota’s lakes, rivers, and public waters provide substantial public benefits, including water quality, fish and wildlife habitat, flood resilience, recreation, and property value protection; and

WHEREAS, Minnesota’s natural shorelines continue to be lost or degraded through cumulative shoreline alterations, vegetation removal, hard armoring, grading, and other activities that reduce habitat and water quality benefits; and

WHEREAS, the Minnesota Department of Natural Resources is working to improve shoreline evaluation, guidance, and implementation of public waters restoration and shoreline management requirements; and

WHEREAS, improved shoreline evaluation and implementation will likely create additional workload for local governments, including Soil and Water Conservation Districts, watershed districts, watershed management organizations, counties, and other local partners; and

WHEREAS, Minnesota Statute 383B.79 does not expressly include joint powers watershed management organizations (WMOs) in the list of political subdivisions allowed to officially participate in these programs.

WHEREAS, local governments are often the first point of contact for landowners seeking assistance with shoreline stabilization, restoration, permitting, and natural shoreline alternatives; and

WHEREAS, many SWCDs and watershed districts do not currently have adequate dedicated funding or staff capacity to provide consistent technical assistance, site evaluations, landowner support, and project follow-through for shoreline management; and

WHEREAS, successful shoreline protection and restoration depends on timely, practical, and locally available technical assistance that helps landowners understand and implement natural shoreline practices before hard-armoring or other damaging alterations occur.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds supports the creation of dedicated state funding to assist Soil and Water Conservation Districts, watershed districts, watershed management organizations, and other local government partners with shoreline management technical assistance, project review, landowner support, and implementation.

BE IT FURTHER RESOLVED that this funding should support local staff time, technical evaluations, landowner site visits, project design assistance, permit coordination, monitoring, and follow-up needed to advance natural shoreline protection and restoration.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports state funding that recognizes shoreline management as a shared state-local responsibility requiring adequate and ongoing local capacity.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-03

Resolution Supporting Statewide Training and Certification for Shoreline Management Staff

Proposing District: Carnelian Marine St. Croix Watershed District
Contact Name: Mike Isensee, Administrator
Phone Number: 612-839-6492
Email Address: mike.isensee@cmscwg.org

Background that led to submission of this resolution

Shoreline management decisions often require technical evaluation of erosion causes, shoreline condition, vegetation, soils, slopes, wave energy, ice action, habitat impacts, water quality impacts, and the suitability of proposed stabilization or restoration methods. Inconsistent understanding and application of shoreline standards can result in inconsistent permitting decisions, landowner confusion, unnecessary hard armoring, and continued loss of natural shoreline functions.

The Wetland Conservation Act provides a useful model for structured training, certification, and interagency review that helps support consistent implementation across jurisdictions. Shoreline management would benefit from a similar statewide training and certification program for state and local staff involved in shoreline evaluation, permitting, restoration, compliance, and technical assistance.

Efforts to solve the problem

The Natural Shoreline Partnership's Shoreline Protection Subcommittee reviewed DNR Public Waters Rules, riprap, sand blankets, ice heaves, general permits, enforcement procedures, and local shoreline assessment work. The Subcommittee identified the need for shared training standards, consistent terminology, common evaluation methods, and improved understanding of natural shoreline restoration and bioengineering alternatives.

Local staff, SWCDs, watershed districts, counties, cities, townships, and DNR staff currently work on shoreline issues, but training and technical capacity vary significantly across the state. This creates inconsistent outcomes for landowners and natural resource protection.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Legislative action may be needed if a formal statewide certification program requires statutory authority, dedicated funding, or direction to state agencies.

The purpose of legislative action would be to direct or fund the development of a statewide shoreline management training and certification program, modeled in part on the structured training and certification approach used for Wetland Conservation Act implementation. The program should include shoreline condition evaluation, erosion drivers, natural shoreline design, bioengineering methods, public waters permitting requirements, restoration standards, vegetation protection, habitat impacts, enforcement considerations, and long-term maintenance.

If legislation is not required, Minnesota Watersheds should advocate for DNR, BWSR, MPCA, SWCDs, watershed districts, and other partners to develop and implement the training program administratively.

Anticipated support or concern

Support is anticipated from watershed districts, SWCDs, local governments, state agency staff, lake associations, and professional organizations seeking more consistent shoreline evaluation and permitting.

Opposition or concern may come from those concerned about additional certification requirements, cost, or administrative burden. These concerns can be addressed by designing the program to improve consistency, provide practical field-based training, and support better landowner service rather than simply adding new requirements.

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-03

Resolution Supporting Statewide Training and Certification for Shoreline Management Staff

WHEREAS, shoreline management decisions often require technical evaluation of erosion causes, shoreline condition, vegetation, soils, slopes, wave energy, ice action, habitat impacts, water quality impacts, and the suitability of proposed stabilization or restoration methods; and

WHEREAS, inconsistent understanding and application of shoreline standards can result in inconsistent permitting decisions, landowner confusion, unnecessary hard armoring, and continued loss of natural shoreline functions; and

WHEREAS, the Wetland Conservation Act provides a useful model for technical training, certification, and interagency review that helps support more consistent implementation across jurisdictions; and

WHEREAS, shoreline management would benefit from a similar structured training and certification program for state and local staff involved in shoreline evaluation, permitting, restoration, compliance, and technical assistance; and

WHEREAS, watershed districts, watershed management organizations, SWCDs, counties, cities, townships, and DNR staff would benefit from shared training standards, consistent terminology, and common evaluation methods; and

WHEREAS, certification-based training would help ensure that shoreline evaluations consider the cause and degree of shoreline change, the impacts of proposed alterations, and the availability of natural or bioengineering alternatives before structural hard armoring is authorized.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds supports development of a statewide shoreline management training and certification program for state and local staff, modeled in part on the structured training and certification approach used for Wetland Conservation Act implementation.

BE IT FURTHER RESOLVED that the training program should include evaluation of shoreline condition, erosion drivers, natural shoreline design, bioengineering methods, public waters permitting requirements, restoration standards, vegetation protection, habitat impacts, enforcement considerations, and long-term maintenance.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports development of a consistent shoreline evaluation framework that can be used by DNR staff, SWCDs, watershed districts, counties, cities, townships, and other local partners.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports the use of technical evaluation panels or similar interagency review processes for complex shoreline alteration proposals, similar in concept to technical review processes used under the Wetland Conservation Act.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-04

Resolution Supporting Improved Public Education and Updated Shoreline Management Guidance

Proposing District: Carnelian Marine St. Croix Watershed District
Contact Name: Mike Isensee, Administrator
Phone Number: 612-839-6492
Email Address: mike.isensee@cmsc wd.org

Background that led to submission of this resolution

Landowners, contractors, consultants, local officials, and local government staff rely on public-facing information from the Minnesota Department of Natural Resources when evaluating shoreline stabilization, restoration, and alteration options.

The Natural Shoreline Subcommittee identified several recurring issues with DNR guidance for riprap, sand blanket, and ice-heave “no permit required” documents. Requirements are often unmet, misunderstood or ignored; “no permit required” shoreline alterations are difficult to track and verify; criteria for determining a demonstrated need for riprap are ambiguous or inconsistently applied;

The outdated or incomplete shoreline alteration guidance documents can create confusion and may encourage practices that are not aligned with current natural shoreline science, restoration standards, state statute, or the protection of public waters.

Older riprap guidance and similar materials contribute to misunderstanding about when riprap is appropriate, what alternatives should be considered, and how natural shoreline functions should be protected. Public education materials should clearly identify the limited circumstances in which riprap, sand blankets, and ice-ridge repair are appropriate, explain the benefits of natural shorelines, including water quality protection, fish and wildlife habitat, slope stability, wave energy dissipation, climate resilience, and long-term property protection.

Efforts to solve the problem

The Natural Shoreline Partnership developed Minnesota’s Vanishing Natural Shorelines, which documented the scale of natural shoreline loss and the connection between shoreline alteration and degraded lake quality. The Shoreline Protection Subcommittee then identified the need to update public-facing shoreline materials, improve consistency in messaging, and better explain the difference between natural shoreline restoration, bioengineered stabilization, riprap, retaining walls, beach creation, vegetation removal, grading, and other shoreline alterations.

Local governments, SWCDs, watershed districts, lake associations, and state agencies already provide public education, but messaging is not always consistent and may be undermined by older or outdated state guidance still available to the public.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Legislative action is not necessarily required if DNR can update all public-facing guidance, webpages, fact sheets, and permit materials administratively.

However, legislative action may be appropriate if agency direction or funding is needed to ensure outdated materials are replaced and updated guidance is developed in coordination with local governments, SWCDs, watershed districts, BWSR, MPCA, lake associations, and other partners.

The purpose or intent would be to ensure that Minnesota’s public shoreline guidance reflects current natural shoreline science, state statute, best available restoration practices, and clear permitting expectations.

If legislation is not pursued, Minnesota Watersheds should advocate directly with DNR and partner agencies to replace outdated shoreline alteration guidance, including older “Shoreline Alterations: Riprap” materials, and to coordinate statewide public education on natural shoreline protection and restoration.

Anticipated support or concern

Support is anticipated from watershed districts, SWCDs, lake associations, local governments, habitat advocates, and organizations working to improve water quality and shoreline stewardship.

Opposition or concern may come from various divisions or regional offices within the Minnesota Department of Natural Resources that have relied on existing shoreline alteration guidance, fact sheets, and implementation practices for decades. Concerns may include staff capacity to update guidance, uncertainty about changing long-standing interpretations, the need for internal consistency across DNR programs and regions, concern that revised materials could increase review workload, and reluctance to create expectations that existing past practices were inadequate or inconsistent.

This issue (check all that apply)

Applies only to our district		Requires legislative action	
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-04

Resolution Supporting Improved Public Education and Updated Shoreline Management Guidance

WHEREAS, landowners, contractors, consultants, local officials, and local government staff rely on public-facing information from the Minnesota Department of Natural Resources when evaluating shoreline stabilization, restoration, and alteration options; and

WHEREAS, outdated shoreline alteration guidance can create confusion and may encourage practices that are not fully aligned with current natural shoreline science, restoration standards, state statute, or the protection of public waters; and

WHEREAS, the continued public availability of older shoreline riprap guidance may contribute to misunderstanding about when riprap is appropriate, what alternatives should be considered, and how natural shoreline functions should be protected; and

WHEREAS, Minnesota's public education materials should clearly explain the benefits of natural shorelines, including water quality protection, fish and wildlife habitat, slope stability, wave energy dissipation, climate resilience, and long-term property protection; and

WHEREAS, effective public education should help landowners understand the difference between natural shoreline restoration, bioengineered stabilization, riprap, retaining walls, beach creation, vegetation removal, grading, and other shoreline alterations; and

WHEREAS, updated public education materials should support consistent messaging by DNR, SWCDs, watershed districts, counties, cities, townships, lake associations, contractors, consultants, and other partners.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds supports the Minnesota Department of Natural Resources updating its public-facing shoreline management webpages, guidance documents, permit materials, and educational resources to reflect current natural shoreline science, state statute, and best available restoration practices.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports replacing outdated "Shoreline Alterations: Riprap" guidance and similar materials with updated guidance that more clearly prioritizes avoidance, minimization, natural shoreline restoration, bioengineering, vegetation protection, and long-term shoreline function.

BE IT FURTHER RESOLVED that updated public education materials should clearly identify when permits or notifications are required, what activities may violate public waters rules, and what alternatives are available to landowners before hard armoring is pursued.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports coordinated public education among DNR, BWSR, SWCDs, watershed districts, counties, cities, townships, lake associations, and other partners to promote consistent shoreline management information statewide.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-05

Resolution Supporting Rule and Process Improvements for Public Waters Shoreline Alteration Management

Proposing District: Carnelian Marine St. Croix Watershed District
Contact Name: Mike Isensee, Administrator
Phone Number: 612-839-6492
Email Address: mike.isensee@cmsc wd.org

Background that led to submission of this resolution

Minnesota Rules part 6115.0215 establishes requirements for restoration and alteration of public waters, including activities that affect shorelines, beds, banks, and public water resources. Consistent implementation of Minnesota's public waters rules is necessary to protect natural shorelines, water quality, aquatic habitat, and the public interest in lakes, rivers, and streams.

Watershed districts and other local government partners have identified discrepancies and inconsistencies in the implementation of shoreline alteration rules, guidance, permitting, notification, and enforcement. These inconsistencies can result in landowner confusion, uneven regulatory outcomes, continued shoreline degradation, and reduced confidence in state and local shoreline management programs.

Shoreline alteration decisions should include a clear evaluation of existing shoreline condition, the cause and degree of shoreline change, the proposed alteration, less-impactful alternatives, and cumulative impacts to public waters. Contractors who repeatedly conduct shoreline alterations without required notice, permits, or approvals can create significant damage to public waters and place landowners and local governments in difficult compliance situations.

Efforts to solve the problem

The Natural Shoreline Partnership's Shoreline Protection Subcommittee reviewed challenges with existing state and local shoreline rules, DNR Public Waters Restoration Rules, shoreline assessments, sand blankets, ice heaves, general permits, and DNR enforcement procedures. The Subcommittee concluded that DNR Public Waters Rules are not necessarily the primary barrier to natural shoreline protection. Rather, the more significant problems are how shoreline alteration rules are expressed to the public, how those rules are administered, and how governments coordinate with each other on projects that span jurisdictional boundaries.

The Subcommittee developed recommendations to update DNR guidance, improve coordination among DNR and local governments, develop administrative procedures for "no permit required" shoreline work, create tools to determine demonstrated erosion need, strengthen training, clarify grading and filling requirements, encourage contractor training or certification, review General Permit barriers, and rebuild technical capacity for natural shoreline restoration and bioengineered shoreline design.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Legislative action may be needed if rule changes, agency direction, funding, or statutory clarification are necessary to ensure consistent statewide implementation of public waters shoreline alteration requirements.

The purpose or intent of legislative action would be to support clearer, more consistent, and more coordinated implementation of Minnesota Rules part 6115.0215 and related public waters shoreline alteration requirements. This may include direction or support for DNR to:

1. Develop a consistent shoreline evaluation process;
2. Clarify how demonstrated erosion need is evaluated before riprap or other hard armoring is authorized;
3. Establish administrative procedures for "no permit required" shoreline work;
4. Improve coordination between DNR, local governments, SWCDs, and watershed districts;

5. Create a technical evaluation panel or similar interagency review process for complex or sensitive shoreline alteration proposals;
6. Ensure consistent DNR processes and determinations across regions and area offices;
7. Strengthen procedures for recurring contractor violations involving shoreline modifications completed without required notification, permits, or approvals; and
8. Review General Permit processes that may discourage natural or bioengineered shoreline alternatives.

If legislative action is not immediately pursued, Minnesota Watersheds should advocate directly with DNR, MPCA, BWSR, counties, SWCDs, watershed districts, and other partners to implement these process improvements administratively.

Anticipated support or concern

Support is anticipated from watershed districts, watershed management organizations, SWCDs, local governments, lake associations, fisheries and habitat advocates, and organizations working to protect water quality, aquatic life, and public waters.

Opposition or concern may come from shoreline contractors, some riparian landowners, and parties concerned about additional process requirements, delays, or limits on shoreline hardening. These concerns can be addressed through clear guidance, timely review procedures, contractor training, practical landowner assistance, and recognition that the resolution seeks consistency, coordination, and protection of public waters rather than unnecessary regulation.

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-05

Resolution Supporting Rule and Process Improvements for Public Waters Shoreline Alteration Management

WHEREAS, Minnesota Rules part 6115.0215 establishes requirements for restoration and alteration of public waters, including activities that affect shorelines, beds, banks, and public water resources; and

WHEREAS, consistent implementation of Minnesota's public waters rules is necessary to protect natural shorelines, water quality, aquatic habitat, and the public interest in lakes, rivers, and streams; and

WHEREAS, watershed districts and other local government partners have identified discrepancies and inconsistencies in the implementation of shoreline alteration rules, guidance, permitting, notification, and enforcement; and

WHEREAS, inconsistent application of public waters rules can result in landowner confusion, uneven regulatory outcomes, continued shoreline degradation, and reduced confidence in state and local shoreline management programs; and

WHEREAS, shoreline alteration decisions should include a clear evaluation of the cause, severity, and extent of shoreline change, the proposed alteration, the availability of less-impactful alternatives, and the cumulative impact to public waters; and

WHEREAS, contractors who repeatedly conduct shoreline alterations without required notice, permits, or approvals can create significant damage to public waters and place landowners and local governments in difficult compliance situations; and

WHEREAS, clearer rules, procedures, and enforcement expectations would improve consistency, fairness, and environmental outcomes for landowners, contractors, local governments, and state agencies.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds supports rule, guidance, and process improvements by the Minnesota Department of Natural Resources to ensure consistent implementation of Minnesota Rules part 6115.0215 and related public waters shoreline alteration requirements.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports development and implementation of a consistent shoreline evaluation process that considers the existing shoreline condition, the cause and degree of shoreline change, the proposed alteration, natural shoreline alternatives, and the public water impacts of the proposed work.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports creation of a technical evaluation panel or similar interagency process for complex or potentially impactful shoreline alteration proposals, similar in concept to review processes used under the Wetland Conservation Act.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports improved procedures to ensure consistent DNR processes and determinations across regions and area offices.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports stronger and more consistent enforcement for recurring contractor violations involving shoreline modifications completed without required notification, permits, or approvals.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports rule and process changes that make shoreline management more understandable, consistent, timely, and effective for landowners, contractors, local governments, and state agencies while better protecting Minnesota's public waters and natural shorelines.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-06

Resolution Seeking Revision of Minnesota State 477A.19 to Preserve \$10 Million of Aquatic Invasive Species Prevention Aid

Proposing District: Prior Lake-Spring Lake Watershed District
Contact Name: Joni Giese, Administrator
Phone Number: 952-440-0067
Email Address: jgiese@plslwd.org

Background that led to submission of this resolution

For over a decade \$10 million has been annually appropriated from the state general fund for Aquatic Invasive Species (AIS) Prevention Aid pursuant to Minnesota Statute 477A.19. The commissioner of revenue computes an amount of AIS prevention aid payable to each county in the state for the following year. Counties must use the proceeds solely to prevent the introduction or limit the spread of AIS at all access sites within the county. In recent years, Scott County has allocated AIS Prevention Aid to Prior Lake-Spring Lake Watershed District (PLSLWD) to perform Curly-leaf pondweed treatments in district lakes and to offset the cost of boat inspections in district lakes.

As part of the 2025 legislative session, Minnesota Statute 477A.19 was revised to reduce the annual appropriation by 50 percent (\$5 million) for aid payable in 2027 and thereafter. At current funding levels, the AIS Prevention Aid comprises 37 percent of PLSLWD's aquatic vegetation management funding and comprises 50 percent of the PLSLWD's boat inspection funding.

Prior Lake is an extremely popular lake in the Minneapolis-St. Paul metropolitan area, with large numbers of boaters bringing their watercraft to the lake and thus increasing the risk of AIS spread. This issue is not limited to PLSLWD. The reduced funding negatively impacts counties, watershed organizations, soil and water conservation districts, lake associations, and other public agencies that work to prevent the spread of AIS.

Efforts to solve the problem

In 2025, when the proposed funding reduction was first brought forward, numerous organizations lobbied to retain historic funding levels. These efforts were successful in preserving the \$10 million funding levels for 2025 and 2026 and delaying the reduced \$5 million funding level to 2027. A coalition of lake associations are currently organizing to lobby for the preservation of the \$10 million funding levels during the 2027 legislative session. Watershed organizations should join with partners to lobby for the preservation of the \$10 million funding level.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Legislative action is the only means of addressing the matter as Minnesota Statute 477A.19 calls for the funding level to be reduced to \$5 million in 2027. The intent of this proposal is to request that Minnesota Statute 477A. 19 be revised to change 2027 funding to \$10 million and to remain at the \$10 million level thereafter.

Anticipated support or concern

The DNR could also be a partner as they administer and support the program. Lake associations, soil and water conservation districts, lake resorts, and communities that rely on lake activities for economic development are likely partners in supporting this legislative revision. Likely detractors from this legislation may be organizations that advocate for smaller government spending.

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions		Requires state agency advocacy	
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-06

Resolution Seeking Revision of Minnesota State 477A.19 to Preserve \$10 Million of Aquatic Invasive Species Prevention Aid

WHEREAS, Minnesota Statute 477A.19 Aquatic Invasive Species Prevention Aid, allocates funds to counties within Minnesota for the purpose of preventing the introduction of or limiting the spread of aquatic invasive species at all access sites within counties that receive the funding; and

WHEREAS, counties may appropriate a portion of the proceeds received from the state to provide funding for a joint powers board or cooperative agreement with another political subdivision, a soil and water conservation district in the county, a watershed district in the county, or a lake association located in the county; and

WHEREAS, for over a decade, the state has annually appropriated \$10 million from the general fund for Aquatic Invasive Species Prevention Aid to Minnesota counties; and

WHEREAS, Minnesota Statute 477A.19 was revised in 2025 to reduce the annual appropriation from \$10 million to \$5 million starting in 2027; AND

WHEREAS, watershed districts, soil and water conservation districts, and lake associations in the state depend on Aquatic Invasive Species Prevention Aid to prevent the introduction of and limit the spread of aquatic invasive species; and

WHEREAS, the reduction of Aquatic Invasive Species Prevention Aid will result in reduced prevention efforts that will harm water resources in the state and negatively impact habitat, recreation, and economic development within the state.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds seeks to revise Minnesota State 477A.19 to preserve annual Aquatic Invasive Species Prevention Aid at \$10 million payable in 2027 and annually thereafter.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS RESOLUTION 2026-07

Resolution Seeking Establishment of a Hazard Mitigation Fund

Proposing District: Two Rivers Watershed District
Contact Name: Dan Money, Administrator
Phone Number: 218-843-3333
Email Address: dan.money@tworiverswd.com

Background that led to submission of this resolution

Watershed districts have a long history of fighting floods and reducing flood damages. Severe and repeated flooding is documented throughout MN. Current state funding to recover from disasters is available through MN Statute 12A, and funding to prevent/mitigate flooding is available through DNR's Flood Hazard Mitigation Grant Program under MN Statute 103F. According to DNR, the current known funding needs total \$213 million, however in the 2026 session the legislature only approved \$9 million in the bonding bill to address the problem. In fact, since 2010 there has been a steady decline in the funding of this program, and no funding was approved in 2016, 2019, 2021, 2022, and 2024. Therefore, it is apparent that other sources of funding are needed to meet the significant need.

Efforts to solve the problem

Over the past 5 years, meetings have been held with MN DNR to streamline their grant program and bring attention to the needs. This resulted in DNR overhauling the application process and this past session DNR asked for \$45 million to fund the program.

In addition, several meetings were held with various Senators and Representatives. While this was mildly effective, the result was still a significant under-funding of the program. However, HF 4581 and SF 5002 were introduced in 2026 to establish an additional program through the MN Department of Homeland Security Emergency Management that would provide an additional resource to provide funding for prevention / mitigation of natural disasters, including flooding. Although introduced, these bills were not heard in committee.

This resolution seeks to build upon Minnesota Watersheds 22-05 resolution that seeks stable funding for this issue. It is suggested that this issue should be considered one of the highest legislative priorities for the upcoming legislative session.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

YES. In order to provide a more stable, reliable source of funding that will help to mitigate the effects of severe and repeated flooding HF 4581/SF 5002 are proposed. These bills will create a new program and a new funding source to supplement existing sources which are dreadfully underfunded. It is proposed that the fund be used for hazard mitigation planning and projects that diminish the potential effects of emergencies through long term risk reduction. The new proposal is modelled after MN Statute 12A and therefore follows a tried and true example of success.

Anticipated support or concern

Potential Support: MN Homeland Security Emergency Management; MN Association of Emergency Managers; Association of MN Counties; Association of Townships; League of MN Cities

Potential Opposition: unknown.

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-07

Resolution Seeking Establishment of a Hazard Mitigation Funding

WHEREAS, Severe flooding is known to occur repeatedly within the State of Minnesota, costing both public and private entities millions of dollars for repair and replacement of infrastructure, damage to homes, erosion and sediment control, and damage to cropland, and

WHEREAS, flooding also has severe and repeated impacts to water quality and habitat from erosion, sedimentation, nutrient loading, raw sewage discharges, and chemical spillage, and

WHEREAS, economic studies have estimated that for every dollar spent on flood damage reduction there is a six dollar return on investment, and

WHEREAS, The DNR's Flood Damage Reduction grant program (FHMG) under MN Statute 103F has historically been a successful tool for local governments to utilize to design and build projects to reduce and prevent flooding, protect the environment, and prevent social and economic losses, and

WHEREAS, The DNR's FHMG has not recently been funded adequately by the Legislature, in fact annual bonding appropriations have been significantly declining over the past 10 years with no funding appropriated in 5 out of the past 11 years. Current 2026 legislative appropriations for hazard mitigation funding only amount to 4% of the documented need, and

WHEREAS, The cost of construction continues to increase as proposed shovel ready projects continue to go unfunded, and

WHEREAS, additional funding sources and programs will be necessary to keep up with the need for hazard mitigation projects. In the 2026 legislative session HF 4581 and SF 5002 were introduced to address the problem but were not passed out of committees.

NOW, THEREFORE, BE IT RESOLVED that the Minnesota Association of Watershed Districts pass a resolution to make hazard mitigation funding a top 2027 legislative priority and direct its lobbyist to work on passage of HF 4581 and SF 5002 as introduced in the 2026 legislative session.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-08

Resolution Seeking Legislation that Allows Stormwater as an Alternative Water Source for Outdoor Uses

Proposing District: Capitol Region Watershed District
Contact Name: Anna Eleria, Administrator
Phone Number: 651-644-8888
Email Address: aeleria@capitolregionwd.org

Background that led to submission of this resolution

The MN Plumbing Board, a board of the MN Department of Labor and Industry (DLI), is proposing revisions to Chapter 15 of the Uniform Plumbing Code and the 2020 MN Plumbing Code that would effectively prohibit stormwater as an alternative source of water for non-potable uses. Key proposed changes include prohibiting stormwater as an allowable source of water for irrigation and other outdoor uses, expanding plumbing code jurisdiction from buildings to entire sites, and requiring installation of irrigation systems by licensed plumbers which would displace existing landscape and irrigation professionals, and requiring usage of plumbing code-certified materials.

Stormwater reuse is a proven, cost-effective practice that protects lakes and rivers, conserves groundwater, improves water quality, reduces flooding, and supports climate resilience. Eliminating or restricting reuse would remove a critical tool used by municipalities who depend on groundwater for drinking water and seek to conserve it for that use, and watershed districts and municipalities that rely on reuse projects to meet MS4 permit requirements, particularly in areas where infiltration is not feasible.

The proposed changes create significant environmental, financial, and regulatory concerns. They could render existing reuse systems non-compliant, require costly retrofits, and jeopardize millions of dollars in public investments funded through Clean Water Fund grants administered by MN Board of Water and Soil Resources (BWSR), MN Pollution Control Agency (MPCA), and Metropolitan Council (Met Council), and local capital budgets.

Additionally, the proposal conflicts with longstanding state policies and guidance encouraging stormwater reuse, including MPCA stormwater guidance, the Metropolitan Council's 2050 Water Plan, and legislative directives to advance a framework for water reuse practices. It also conflicts with local ordinances, such as one in Lake Elmo, that require stormwater reuse to conserve groundwater. It also contradicts the purpose of the State Interagency Workgroup for Stormwater Capture and Use (SCU), of which the MN Department of Labor and Industry is a member of, for advancing the development and implementation of safe and sustainable stormwater capture and use practices. This group committed to continue active participation in the work group and support for a broad stakeholder engagement process to ensure a coordinated, collaborative and transparent approach to SCU guidance and policy in Minnesota.

Efforts to solve the problem

Minnesota Watersheds and Capitol Region Watershed District are working closely with a large and broad coalition group who share similar concerns. Key members of the coalition so far include the League of MN Cities, MN Cities Stormwater Coalition, MN Nursery and Landscape Association, MN Farmers Union and many others. For a full list, see the information below. Efforts to address these concerns include:

- Communicating with watershed districts and watershed management organizations to raise awareness of the issue, keep them informed of how they can help, and the activities of the coalition group
- Reaching out to various state agencies and boards including the Minnesota Plumbing Board, MN Department of Labor and Industry, MN Department of Public Health, MN Pollution Control Agency, MN Board of Water and Soil Resources, and others. The outreach has included notifying them of the proposed changes and our concerns
- Initiating outreach to legislators, counties, and conservation organizations
- Developing shared messaging, talking points and response strategies with the broad coalition group
- Raising concerns about the lack of coordination with agencies responsible for water quality and

stormwater management

To date, stakeholders are responding quickly and helping to get the word out to the groups and individuals listed above and in turn, they are also reaching out to State agency leaders and legislators and expressing their concerns. In addition, a request has been made for a special Plumbing Board meeting to show opposition to their proposed changes.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

Legislative actions are needed to address this issue. The intent of this resolution is to:

- Prevent adoption of plumbing code revisions that prohibit stormwater reuse
- Explicitly allow for stormwater capture and use for irrigation and other outdoor non-potable uses in State law
- Ensure coordination between the Plumbing Board, MPCA, MDH, BWSR, cities, watershed organizations, and other local governments
- Align plumbing regulations with existing state policies and guidelines supporting stormwater reuse, water conservation, groundwater protection, and climate resilience
- Protect prior public investments in stormwater reuse systems
- Maintain stormwater reuse as a viable strategy for MS4 compliance
- Ensure decisions on regulation and design for stormwater infrastructure are made by the appropriate agencies and practitioners

Recommended actions include:

- Legislation that allows stormwater reuse for irrigation and other outdoor uses. In 2025, Senate bill (S.F. No. 2442) was introduced and brought to the Senate Environment, Climate, and Legacy Committee. This committee passed an amended bill and referred it to the Health and Human Services Committee in 2026. It is our understanding that it remains in the hands of the Health and Human Services Committee who has not and will not conduct a hearing in the 2026 legislative session.
- Direction to the Minnesota Plumbing Board to pause all revisions to plumbing code (including Chapter 15) until interagency coordination and alignment is achieved
- Continued coordination and advocacy with state agencies and policymakers

Anticipated support or opposition

There is a growing broad coalition of groups who are partnering in efforts to prevent changes to the Minnesota Plumbing Code that would explicitly eliminate stormwater as an alternative source of water for outdoor uses. As of May 14, 2026, the list of partners include:

- League of Minnesota Cities
- Minnesota Cities Stormwater Coalition
- Minnesota Nursery & Landscape Association
- Minnesota Farmers Union
- Minnesota Watersheds
- LiUNA
- Associated General Contractors
- Housing First
- Minnesota Association of Cemeteries
- Minnesota Turf and Grounds Foundation
- Minnesota Council on Latino Affairs
- Irrigators Association of Minnesota
- Hospitality Minnesota
- Minnesota Golf Course Superintendents Association
- Freshwater Society
- American Society of Landscape Architects MN Chapter
- Anoka County

- Minnesota Chapter of the American Public Works Association

Groups who are or may be opposed to our efforts include:

- Minnesota Plumbing Board
- Minnesota Pipe Trades Association
- Minnesota Plumbing, Heating, and Cooling Contractors
- Plumbing unions

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

MINNESOTA WATERSHEDS RESOLUTION 2026-08

Resolution Seeking Legislation that Allows Stormwater as an Alternative Water Source for Outdoor Uses

WHEREAS, the Minnesota Plumbing Board, under the Minnesota Department of Labor and Industry (DLI), is proposing revisions to Chapter 15 of the Uniform Plumbing Code and related provisions of the Minnesota Plumbing Code that would prohibit stormwater as an alternate source of water for irrigation and other outdoor non-potable uses; and

WHEREAS, stormwater reuse is a proven and cost-effective practice that protects lakes and rivers, conserves groundwater, improves water quality, reduces flooding, and supports climate resilience; and

WHEREAS, restricting stormwater reuse would remove a critical compliance and water-management tool for municipalities, watershed districts, watershed management organizations, and other local governments, particularly where groundwater resources are limited, where infiltration is not feasible and where reuse projects help meet MS4 permit requirements; and

WHEREAS, the proposed code changes could render existing reuse systems non-compliant, require costly retrofits, and jeopardize significant public investments funded through local budgets and grants administered by Minnesota Board of Water and Soil Resources, Minnesota Pollution Control Agency (MPCA), and the Metropolitan Council (Met Council); and

WHEREAS, the proposed changes conflict with the directives of the MN Legislature in 2015, 2017, and 2021 to advance safe and sustainable water reuse in Minnesota, including stormwater capture and use; and

WHEREAS, the proposed changes conflict with longstanding state and local policies and guidance encouraging stormwater reuse including MPCA's Stormwater Manual and Met Council's 2025 Water Policy Plan;

WHEREAS, a broad coalition of local governments, watershed organizations, professional associations, businesses, and nonprofit partners has formed in support of preserving stormwater reuse as a lawful and practical water-management strategy; and

WHEREAS, Minnesota Senate Bill SF2442, a 2025 bill relating to the outdoor use of rainwater and stormwater, would authorize state agencies and local governments to allow untreated rainwater or stormwater for outdoor purposes when the probability of human or animal consumption or immersion is low or nonexistent, and was reported out of the Senate Environment, Climate, and Legacy Committee to the Health and Human Services Committee in March 2026.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds supports legislation to explicitly allow stormwater as an alternate water source for outdoor non-potable purposes, including irrigation; and

BE IT FURTHER RESOLVED that Minnesota Watersheds supports legislation to assign MPCA as the State agency responsible for oversight of stormwater capture and use systems; and

BE IT FURTHER RESOLVED that Minnesota Watersheds requests that the Minnesota Department of Labor and Industry and the Minnesota Plumbing Board pause proposed plumbing code revisions affecting stormwater reuse until interagency coordination and meaningful stakeholder engagement are completed; and

BE IT FURTHER RESOLVED that any future regulation of stormwater capture and use should align with existing State policy and guidelines, protect prior public investments, and preserve stormwater reuse as a viable strategy for water conservation, groundwater protection, and stormwater management.

Notes: Committee recommends adoption

BACKGROUND INFORMATION ON MINNESOTA WATERSHEDS

RESOLUTION 2026-09

Resolution to Protect Lake Ecosystems and Shoreline Integrity from Wake Boat Impacts

Proposing District: Riley-Purgatory-Bluff Creek Watershed District
Contact Name: Terry Jeffery, Administrator
Phone Number: 952-687-1107
Email Address: tjeffery@rpbcwd.org

Background that led to submission of this resolution

There is increasing evidence, including recent studies by the University of MN, Saint Anthony Falls Laboratory (SAFL), that the operation of wake boats produce significant erosive forces both horizontally¹ and vertically. This results in shoreline degradation and loss as well as suspension of sediments from the lake substrate. The vertical prop wash damages aquatic vegetation and degrades aquatic habitat². Currently, there is only voluntary guidance regarding the operation of these watercrafts in relation to shorelines and no guidance on depth of water in which operation should occur.

Any regulations on the operation of these watercraft is through locally enacted ordinances. As this is an issue with statewide implications, reliance on local ordinances is insufficient to address.

Efforts to solve the problem

The RPBCWD has funded the research performed by SAFL. The RPBCWD has provided education to Lake Associations and local municipalities on the impacts of wake boat operation. The RPBCWD, or any watershed district, does not have the authority to regulate surface water usage for watercraft.

Is legislative action the best means of addressing the matter? If yes, what is the purpose or intent of your proposal? If not, what advocacy steps could be taken with state or local government officials?

As this is a statewide issue and the Department of Natural Resources largely relies on local ordinances to implement their regulatory framework, this is an issue that is best addressed through statewide regulation on one or more of the following:

- A minimum water depth for wake-surfing operations, consistent with SAFL research on lakebed disturbance and sediment resuspension;
- A minimum setback distance from shorelines, docks, and emergent vegetation as necessary to protect shoreline stability, habitat integrity, and water quality, consistent with SAFL research; and
- Require that new and existing wake boats be equipped with ballast systems that can be fully drained and effectively decontaminated to prevent the transfer of aquatic invasive species and contaminants between water bodies.

Anticipated support or opposition

Support for this will vary. Numerous lake association groups will support this while many others will oppose. The same holds true for various recreation groups. Angling associations and groups would be anticipated to support while recreational boaters may be in opposition. Municipalities that are within RPBCWD have been reticent to enacting unilateral code changes to address the operation of wake boats but may be more amenable to a statewide initiative.

This issue (check all that apply)

Applies only to our district		Requires legislative action	x
Applies only to 1 or 2 regions		Requires state agency advocacy	x
Applies to the entire state	x	Impacts MW bylaws or MOPP	

¹ [A Field Study of Maximum Wave Height, Total Wave Energy, and Maximum Wave Power Produced by Four Recreational Boats on a Freshwater Lake](#)

² [A Field Study of Recreational Powerboat Hydrodynamics and their Impacts on the Water Column and Lakebed](#)

MINNESOTA WATERSHEDS RESOLUTION 2026-09

Resolution to Protect Lake Ecosystems and Shoreline Integrity from Wake Boat Impacts

WHEREAS, in 2022, Minnesota Watersheds adopted a Resolution to Limit Wake Boat Activities, which called for the Minnesota Association of Watershed Districts to work with the Minnesota Department of Natural Resources to utilize the research findings from the St. Anthony Falls Laboratory and seek legislation to achieve one or more of the following:

- a) limit lakes and areas of lakes in which wake boats may operate;
- b) require new and existing wake boats to be able to completely drain and decontaminate their ballast tanks;
- c) Provide funding for additional research on the effects of wake boats on aquatic systems; and

WHEREAS, pursuant to Minnesota Watersheds Manual of Policy and Procedures, this Resolution will sunset in 2027, but the impacts from wake boat activities on lake ecosystems and shorelines have persisted and grown worse; property owners and lake users continue to report widespread damage to property, disruptions to fishing, and degradation of lake environments from wake boats; and

WHEREAS, the Minnesota Department of Natural Resources (DNR) has the statutory authority to adopt rules relating to the “rules of the road” for watercraft navigation, and, at the request of local government, the use of the waters of the state by watercraft; currently, the DNR’s primary approach to dealing with wake boat impacts is through review of locally enacted ordinances and an “Own Your Wake” campaign to promote voluntary compliance with general wake guidelines; these guidelines suggest staying at least 200 feet from shore or other structures to reduce the likelihood wakes will cause damage, these guidelines are silent on a minimum water depth for wake surfing; and

WHEREAS, the University of Minnesota St. Anthony Falls Laboratory (SAFL) has published two studies of the impacts of wake boats; the first study, A Field Study of Maximum Wave Height, Total Wave Energy, and Maximum Wave Power Produced by Four Recreational Boats on a Freshwater Lake, concluded that when operating under typical wake surfing conditions, wake surf boats required distances greater than 500 ft to attenuate wake wave characteristics (height, energy, and power) to levels equivalent to non-wake surf boats operating under typical planing conditions; SAFL’s second study, A Field Study of Recreational Powerboat Hydrodynamics and their Impacts on the Water Column and Lakebed published July 2025, recommends that wake boats operate in 20 feet of water or greater when in semi-displacement mode to minimize impacts to the lake bottom; and

WHEREAS, the SAFL studies demonstrate that the DNR’s current voluntary guidelines are insufficient to protect lake ecosystems and shorelines; only four percent (4%) of Minnesota’s lakes currently have local ordinances restricting wake boat operation.

NOW, THEREFORE, BE IT RESOLVED that Minnesota Watersheds supports legislation that would require the DNR to establish minimum operational and design standards for inboard motorized recreational vessels equipped with ballast or wake-enhancement systems (wake boats), including:

- A minimum water depth for wake-surfing operations, consistent with SAFL research on lakebed disturbance and sediment resuspension;
- A minimum setback distance from shorelines, docks, and emergent vegetation as necessary to protect shoreline stability, habitat integrity, and water quality, consistent with SAFL research; and
- Require that new and existing wake boats be equipped with ballast systems that can be fully drained and effectively decontaminated to prevent the transfer of aquatic invasive species and contaminants between water bodies.

BE IT FURTHER RESOLVED that Minnesota Watersheds supports funding for SAFL to pursue further research to focus on the impact of boat and wind waves on the environment close to shore, including plants.

Notes: Committee recommends adoption

Active Minnesota Watersheds Resolutions

June 29, 2026



FINANCE

Capacity

2025-02: Seeking Revision to MN Statute 383B.79 to Include Watershed Management Organizations

Minnesota Watersheds seeks a revision to Minnesota Statutes, Section 383B.79, Subd. 1 to explicitly include “joint powers watershed management organizations entirely or partially located in Hennepin County” to the list of political subdivisions that can participate in the county’s multijurisdictional reinvestment programs.

URBAN STORMWATER

Stormwater Quality Treatment

2022-02 Limited Liability for Certified Commercial Salt Applicators

Minnesota Watersheds supports enactment of state law that provides limited liability protection to commercial salt applicators and property owners using salt applicators who are certified through the established state salt-applicator certification program and follow best management practices.

Water Reuse

2022-01 Creation of a Stormwater Reuse Task Force

Minnesota Watersheds supports administratively or legislatively including at least one Minnesota Watersheds member on the Minnesota Department of Health’s workgroup to move forward, prioritize, and implement the recommendations of the interagency report on reuse of stormwater and rainwater in Minnesota.

WATER QUANTITY

Drainage

2022-03: Seek Increased Support and Participation for the Minnesota Drainage Work Group (DWG)

- Minnesota Watersheds communications increase awareness of the DWG (meeting dates and links, topics, minutes, reports) amongst members.
- Minnesota Watersheds training opportunities strongly encourage participation in the DWG by watershed staff and board managers (for watersheds that serve as ditch authorities or work on drainage projects) – for e.g., add agenda space for DWG member updates, host a DWG meeting as part of a regular event.
- In preparation for Minnesota Watersheds member legislative visits, staff add a standing reminder for watershed drainage authorities to inform legislators on the existence, purpose, and outcomes of the DWG, and reinforce the legitimacy of the DWG as a multi-faceted problem-solving body.
- During Minnesota Watersheds staff Board of Water and Soil Resources (BWSR) visits, regularly seek updates on how facilitation of the DWG is leading to improvements for member drainage authorities and convey this information to members.

2023-03: Support New Legislation Modeled after HF4863 and SF4814 (2026) Regarding DNR Regulatory Authority over Public Drainage Maintenance and Repairs

Minnesota Watersheds supports the introduction of new legislation modeled after [HF4863](#) and [SF4814](#) and commits its lobbying efforts toward promoting the passage of the bills in subsequent sessions.

2025-01: Supporting a Legislative Amendment to Expand the Wetland Conservation Act Exemption of Public Drainage System Repairs

Minnesota Watersheds supports the introduction of new legislation to amend Minnesota Statutes 103G.2241 and MN Rule 8420.0420 to expand the WCA exemption to include all public drainage system repairs and commits its staff to further discussion through the Drainage Work Group in 2025 to promote passage of such legislation in upcoming sessions.

Funding

2022-05: Obtain Stable Funding for Flood Damage Reduction and Natural Resources Enhancement Projects

Minnesota Watersheds supports collaborating with the Red River Watershed Management Board and state agencies to seek funding from the Minnesota Legislature to provide stable sources of funding through existing or potentially new programs that provide flood damage reduction and/or natural resources enhancements. A suggested sustainable level of funding is \$30 million per year for the next 10 years.

Flood Control

2023-04 Seeking Action for Streamlining the DNR Flood Hazard Mitigation Grant Program

Minnesota Watersheds seeks action requiring the DNR to establish transparent scoring, ranking, and funding criteria for the Flood Hazard Mitigation Program (M.S. Chapter 103F) and asking the Minnesota Legislature to fully fund the state's share of eligible projects that are on the DNR's list within each two-year bonding cycle. Information regarding scoring, ranking, and funding should be provided annually to project applicants.

Policy

2024-04: Seeking the Ability to Allow Resale of Acquisition Buyout Property

Minnesota Watersheds seeks federal legislation to allow the conveyance by an LGU of flood acquisition buyout real estate to a public entity or to a qualified conservation organization, or alternatively a resale to a private taxpayer, subject to the FEMA Model Deed Restrictions as stated in Exhibit A.

WATER QUALITY

Lakes

2022-06: Limit Wake Boat Activities

Minnesota Watersheds supports working with the Minnesota Department of Natural Resources (DNR) to utilize the research findings from the St. Anthony Falls Laboratory and seek legislation to achieve one or more of the following:

- Limit lakes and areas of lakes in which wake boats may operate;
- Require new and existing wake boats to be able to completely drain and decontaminate their ballast tanks; and
- Providing funding for additional research on the effects of wake boats on aquatic systems.

Policy

2024-01: Regulatory Approaches to Reducing Chloride Contamination

Minnesota Watersheds supports development, adoption, and implementation of regulatory approaches to reducing chloride contamination in waters of the state.

WATERSHED MANAGEMENT AND OPERATIONS

Duties

2025-06: Support a Legislative Amendment to Clarify the Deadline for Watershed Districts to Certify Levies

Minnesota Watersheds supports the introduction of legislation to amend Minnesota Statutes §§103D.911 and 103D.915 to specify a levy certification deadline of September 30.

2023-05: Support Increased Flexibility in Open Meeting Law

Minnesota Watersheds hereby supports changes to the Open Meeting Law to provide greater flexibility in the use of interactive technology by allowing members to participate remotely in a nonpublic location that is not noticed, without limit on the number of times such remote participation may occur; and allowing public participation from a remote location by interactive technology, or alternatively from the regular meeting location where interactive technology will be made available for each meeting, unless otherwise noticed under Minnesota Statutes Section 13D.021; and that Minnesota Watersheds supports changes to the Open Meeting Law requiring watershed district to prepare and publish procedures for conducting public meetings using interactive technology.

2024-02: Alternative Notice of Watershed District Proceedings by Publication on the District's website

Minnesota Watersheds supports amending Watershed Law to provide for publication on a watershed district's website as an alternative to publication in a legal newspaper.

Watershed Planning

2023-06 Education and Outreach to Encourage Formation of Watershed Districts in Unserved Areas

Minnesota Watersheds, in consultation with its membership, will develop a framework for education and outreach intended to encourage petition and advocacy for the formation of watershed districts in areas of the state not presently served by watershed-based public agencies.

Human Resources

2025-04 Revision to Minnesota Statute 471.617 to Include Watershed Districts and Watershed Management Organizations

Minnesota Watersheds seeks revision to Minnesota Statute 471.617, Subdivisions 1 and 2 to explicitly include "Watershed Districts and Watershed Management Organizations" on the list of political subdivisions allowed to self-insure for employee health benefits.

AGENCY RELATIONS

Regulation

2023-01 Require Watershed District Permits for all State Agencies

Minnesota Watersheds supports amending Minnesota Statutes § 103D.345, Subd. 5 to read as follows: **Subd. 5. Applicability of permit requirements to state.** A rule adopted by the managers that requires a permit for an activity applies to all state agencies, including the Department of Transportation.

2024-13 Request New Legislation to Set Permit Review Time Limits upon the DNR

Minnesota Watersheds supports amending Minnesota Statutes to implement a 60-day permit review limit following a negative declaration on an EAW.

2025-03 Seeking Legislative Reform to Increase MDNR and MPCA Permit Efficiency and Define Permit Application Completeness

Minnesota Watersheds shall pursue legislation to amend Minnesota Statutes 15.99, 84.027, and 116.03 to:

- Separate permit completeness review from compliance standards review so that statutory deadlines for permit decisions are meaningfully triggered.
 - Require MDNR and MPCA to develop and publish a list of practical, reasonable information and criteria that constitutes a complete permit application.
-

- Mandate that, once submitted by the applicant, the application is deemed complete and allows review timelines to begin.
- Require MDNR and MPCA to notify an applicant in writing, within 30 days of receiving a permit application, whether the application is complete or incomplete. If the agency determines the application is incomplete, specific provisions of applicable rules and statutes must be cited, an explanation of what additional information is needed must be provided, and the agency must advise the applicant how the deficiencies can be remedied. If action on the permit application is not completed within 150 days, the permit is deemed to be granted; and that
- The Board of Water and Soil Resources establish a formal process to distribute, on an annual basis, an accurate and complete list identifying Calcareous Fens to all watershed districts, watershed management organizations, and soil and water conservation districts.
- Pre-application meetings shall be required upon request by a qualified local agency with a project identified in state-approved plans, Watershed Restoration and Protection Strategies, or other recognized water quality studies. Such meetings shall be scheduled within four weeks of the request.
- Local agencies requesting such meetings must provide 10% - 20% design-level plans with sufficient specificity to identify natural resource concerns and constraints.
- Failure of either MDNR or MPCA to attend a requested pre-application meeting shall be construed as satisfaction of relevant permitting standards, allowing the project to proceed toward final design and permitting.

2025-05 Improving Mitigation Under the Minnesota Endangered Species Act

Minnesota Watersheds should pursue legislation that addresses the need to improve threatened and endangered species mitigation by addressing past gaps and future challenges arising from approved water quality restoration projects, and

- that Minnesota Statute 84.0895 should be amended to require the Commissioner of Natural Resources to develop and implement recovery plans for the conservation and survival of state listed endangered and threatened species, and
- the Commissioner shall cooperate to the maximum extent practicable with local land and water management authorities. Such cooperation in implementing the endangered species act shall allow the Commissioner to:
 - Enter into management agreements with any local land managing unit of government for the administration and management of an area established for the conservation of endangered or threatened species.
 - Enter into cooperative agreements which establishes and maintains an adequate and active program for the conservation of endangered and threatened species.
 - Conduct periodic review of locally administered programs at no greater frequency than annual intervals.
- Minnesota Statutes 84.0895 Subd 7, which outlines general exceptions, should be amended by adding (f) the commissioner must give approval under this subdivision to water management projects that are part of a state approved:
 - Comprehensive Watershed Management Plans and capital improvement plans under MS 103B or MS 103D;
 - Watershed Restoration and Protection Strategies (WRAPS);
 - Load reduction studies,
 - Impairment monitoring and other studies, particularly studies involving impairments for fish and aquatic life.
- Minnesota Statutes 84.0895 should be amended to provide for “conservation banking” defined by a site or suite of sites that provide the ecological functions and services expressed as credits that are conserved and managed in perpetuity for a species and used expressly to offset impacts occurring elsewhere to the same species.

REGULATIONS

2024-03: Provide for Watershed Management Organization Representation on Wetland Technical Evaluation Panels

Minnesota Watersheds supports amendment of Minnesota Statutes 103G.2242, subdivision 2 to include a watershed management organization representative on TEPs that are convened in cases where the organization is not the WCA LGU.

NATURAL RESOURCES

Policy

2024-5: Seeking the DNR to Establish a “Comprehensive Guideline for Calcareous Fen Management”

Minnesota Watersheds supports DNR establishing a “Comprehensive Guideline for Calcareous Fen Management” as a tool for project proposers to analyze a project’s feasibility or cost effectiveness.

2024-7: Seeking the DNR to Adopt a Program to Incentivize Calcareous Fen Management on Private Lands

Minnesota Watersheds supports the Minnesota Department of Natural Resources adopting a program through which a fee is paid to landowners to incentivize them to manage the quantity and quality of the Calcareous Fens on private lands, which program is made similar to the USDA Conservation Reserve Program or similar to a perpetual easement through the Board of Water and Soil Resources Reinvest in Minnesota.

2024-10: Seeking a Formal Process to Distribute a Complete List of Calcareous Fens Annually

Minnesota Watersheds supports the Board of Water and Soil Resources establishing a formal process to distribute on an annual basis an accurate and complete list identifying Calcareous Fens to all watershed districts, watershed management organizations, and soil and water conservation districts.

2024-12: Seeking the Development of a Calcareous Fen Work Group

Minnesota Watersheds supports the relevant state agencies, together with relevant stakeholders (including watershed districts), convene a work group to develop by consensus clear, objective and measurable criteria for determining the presence and quality of Calcareous Fen, which criteria shall thereafter be used by all state and local units of government.

Resolutions to Sunset

Effective December 31, 2026

All resolutions cease to be active at the end of the fifth year following the resolution’s adoption.

2021-01A: Support SWCD Capacity Fund Sources

Minnesota Watersheds supports SWCD capacity funds to come from county and state general funds.

2021-01B: Support Clean Water Funds for Implementation, Not Capacity

Minnesota Watersheds supports Clean Water Funds being used for implementation and not for capacity.

2021-04: Support Crop Insurance to Include Crop Losses Within Impoundment Areas

Minnesota Watersheds supports expansion of Federal Multi-Peril Crop Insurance to include crop losses within impoundment areas.

2021-05: Support 60-day Review Required for State Agencies on Policy Changes

Minnesota Watersheds supports requiring state agencies to provide a meaningful, not less than 60-day review and comment period from affected local units of government on new or amended water management policies, programs, or initiatives with a response to those comments required prior to adoption.

2021-06: Support Metro Watershed-based Implementation Funding (WBIF) for Approved 103B Plans Only

Minnesota Watersheds supports BWSR distribution of metro WBIF among the 23 watershed management organizations with state-approved comprehensive, multi-year 103B watershed management plans. Those plans implement multijurisdictional priorities at a watershed scale and facilitate funding projects of any eligible local government unit (including soil and water conservation districts, counties, cities, and townships).

Board of Managers 2026 Action Log

August 5, 2026

Item	Anticipated Action Date	Means of Action
Shoreland Assessment	2026	Presentation and Board Discussion
Impervious Surface Reduction Planning	2026	Presentation and Board Discussion
Wetland Rule Updates – buffers, variances, bounce	2026	Rules Technical Advisory Committee
Chloride Reduction Strategies for Regulatory Program	2026	Rules Technical Advisory Committee
Watershed Data Strategies	2026	Presentation and Board Discussion

Project and Program Status Reports

Memorandum

To: Board of managers and staff
From: Tina Carstens, Brad Lindaman, Erin Anderson Wenz, and Brandon Barnes
Subject: Project and program status report: August 2026
Date: July 29, 2026

Note: The location, brief description, and current status of each project described below can be found on the [2026 Ramsey-Washington Metro Watershed District \(RWMWD\) engineering services story map](#).

Project feasibility studies

A. Landfall best management practice (BMP) study (manufactured-homes resilience study project 1) (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 continued evaluating the conceptual BMPs identified in the manufactured-homes development study. We developed models for each BMP location to quantify potential flood reduction and/or water quality benefits. Over the next month, we will develop planning-level cost estimates and supporting documentation for each BMP.

B. Five Star Estates feasibility study (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to evaluate the feasibility of the flood risk reduction and water quality project concepts from the manufactured homes resiliency study at Five Star Estates in Vadnais Heights.

During this period, Barr continued refining the proposed concept design. We also finalized hydraulic, hydrologic, and water quality modeling and developed an opinion of cost for the concept. Barr and the RWMWD will discuss the concept in late July and determine next steps for the project. In August, we will share the findings with Five Star Estates property management and request feedback.

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C. Chloride reduction strategy (Barr project manager: Tyler Olsen; RWMWD project manager: Paige Ahlborg and Ashlee Ricci)

The purpose of this project is to develop a chloride reduction strategy that will inform and guide the implementation of a multifaceted approach combining prevention, mitigation, and behavioral change and leverage all of the district's regulatory and operational programs to reduce chloride pollution to aquatic ecosystems.

During this period, Barr developed a table of draft implementation strategies for chloride reduction across the district's program areas. Barr and the RWMWD met to review the strategies and provide initial feedback. RWMWD staff and program managers are reviewing the strategies through late July, after which Barr and the RWMWD will meet to discuss the format of the final deliverable for the chloride reduction strategy.

D. Tanners Lake, Battle Creek Lake, and Battle Creek resiliency feasibility study (Barr project manager: Jay Hawley; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to develop concept designs and operation plans for outlet modifications on Tanners Lake, Battle Creek Lake, and McKnight Basin that can remove up to 19 habitable structures from the 100-year floodplain in the areas near these water bodies and significantly reduce flood risk for vulnerable communities, such as the Landfall.

During this period, Barr continued developing plan sheets for the outlet designs and reviewing rainfall forecasting data, historic water surface elevation measurements, and downstream water quality information to inform an operation plan for the modified outlet control structures. We also continued updating the RWMWD stormwater model to simulate continuous rainfall, enabling evaluation of how different operation scenarios may affect downstream flows and water levels in Battle Creek. We began modeling potential outlet sizes and configurations and met with Minnesota Department of Natural Resources representatives to discuss the potential outlet modifications and operation plan constraints. Barr and the RWMWD also met with the City of Woodbury to discuss concepts for the Battle Creek Lake outlet and opportunities to coordinate future construction projects. The feasibility study is expected to continue throughout the year, with tentative completion in the fall.

E. RWMWD stormwater model updates (Barr project manager: Michael McKinney; RWMWD project manager: Paige Ahlborg)

This project maintains and updates 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 working on the 2026 model updates. We finished incorporating the Highway 36 model area into the Chain of Lakes XPSWMM model, including all quality assurance/quality control efforts. With this area complete, Barr coordinated with the RWMWD and Ramsey County to deliver a clipped version of the model for Ramsey County's use on the County Road B project. In addition to the Highway 36 area, Barr made significant progress

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expanding the model in the Dayton's Bluff area. Specifically, we completed vertical datum and hydrologic updates to the City of Saint Paul's Griffith-Point Douglas XPSWMM model in preparation for incorporating this area into the Chain of Lakes XPSWMM model.

We will continue incorporating the Dayton's Bluff area, which is the final model update task remaining this year.

F. Studies stemming from creek walks (Barr project manager: Jessica Olson; RWMWD project manager: Eric Korte)

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

Earlier this year, Barr presented a framework for prioritizing creek stabilization and restoration projects. This framework builds on the RWMWD's existing prioritization tools and incorporates newly collected creek data. This month, Barr and the RWMWD continued applying the framework to identify the highest-priority creek segments. Initial segments for stabilization or restoration are expected to be selected in August. Later this summer, Barr will document the prioritization framework and results in a memorandum to the RWMWD.

G. 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 reviewed existing site data and completed a functional wetland vegetation assessment at the Plateau and Schletty wetlands. We also continued developing restoration concepts for Plateau wetlands.

H. Battle Creek subwatershed feasibility study (phase 2) (Barr project manager: Jay Hawley; RWMWD project managers: Paige Ahlborg and Eric Korte)

The purpose of this project is to compile and analyze the 2025 sample data and identify BMPs that could reduce pollutant loading to Battle Creek.

During this period, Barr continued analyzing the 2025 sampling data and developed rating curves to calculate the creek flow rates at the time the samples were collected. We will use the paired sample data and flow rates to evaluate which flow conditions have the greatest influence on water quality. We also began discussing potential BMP options and coordinating efforts with the creek walk team and the Tanners Lake and Battle Creek Lake outlet modification team. Analysis will continue over the coming months, with the goal of identifying and sizing potential BMPs by August to support 2027 budget planning discussions.

Monitoring water quality/project monitoring

I. Special-project BMP monitoring (Barr project manager: Erin Anderson Wenz; RWMWD project manager: Eric Korte)

This project aims to collect data from and monitor the performance of BMPs in the district.

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During this period, Barr continued evaluating options to optimize flows into the Arbogast filter, balancing treatment efficiency with maintenance requirements and fish passage needs.

J. Water quality data management (Barr project manager: Tyler Olsen, RWMWD project manager: Eric Korte)

The purpose of this project is to help the RWMWD manage monitoring and laboratory data and develop water quality dashboards.

During this period, Barr continued coordinating with the RWMWD to integrate multiple data types into the district's water quality database, including historic monitoring and laboratory data, field monitoring data, and continuous data. Barr began migrating historic laboratory data into EQUIS to support data visualization. We also finalized the integration of external data sources, such as precipitation data, within the database backend.

Watershed management plan update

K. Water management plan update, phase 3: Draft plan development (Barr project manager: Greg Williams; RWMWD project manager: Tina Carstens)

This project involves developing and revising content for the watershed management plan in coordination with RWMWD staff members and the board of managers before the formal plan review process.

During this period, Barr and the RWMWD prepared a memorandum introducing the implementation schedule to the board and presented it during a workshop held prior to the July board meeting. Based on board feedback, we revised the implementation program and continued drafting sections of the plan, including the implementation narrative describing district program areas and the issues narrative. The complete implementation section and associated implementation table (section 4 of the plan) will be distributed during the week of August 3-7 for Board review.

Lake studies and total maximum daily load (TMDL) reports

L. 2026 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.

The Fish Creek tributary stream restoration project was awarded \$850,000 in 3M PFAS Priority 2 grant funding. The RWMWD will work with the Minnesota Department of Natural Resources to execute the grant agreement as soon as possible. The Kohlman Lake alum treatment project was not selected for funding. Several additional grants were awarded to projects within the district that are led by other organizations, including:

- City of Oakdale
 - Habitat restoration in nine city parks

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- City of Woodbury
 - Habitat restoration in Tamarack Nature Preserve
- Ramsey County Parks and Recreation Department
 - Beaver Lake County Park Fishing and Recreation Improvements
 - Invasive phragmites control throughout Ramsey County
 - Habitat/shoreline restoration in Beaver Lake County Park
 - Habitat/shoreline restoration in Kohlman Creek and Lake Watershed
 - Habitat/shoreline restoration in Keller Regional Park and Lake Gervais County Park
 - Habitat restoration in Battle Creek Regional Park
- Wakan Tipi Awanyankapi
 - Daylighting of Lower Phalen Creek and associated park improvements, Phase 1

Project operations

M. 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.

During this period, the RWMWD and Barr completed routine maintenance at the Twin Lake and Lake Owasso monitoring stations. We downloaded data, inspected the bubbler systems, and adjusted sensor settings to correct water surface elevation readings that were higher than actual water levels.

N. Phalen and Keller lakes level station forecast integration (Barr project manager: Brandon Barnes; RWMWD project manager: Eric Korte)

The purpose of this project is to integrate tools developed in 2025 to automate operation of the Keller and Phalen outlet control structures. Updates will notify the RWMWD when adjustments are needed so the district does not have to monitor rainfall forecasts and water levels manually.

During this period, Barr and the RWMWD continued coordinating with InControl to update the control system for the Phalen and Keller outlet control structures. InControl is expected to begin system upgrades later this summer, including integration of the tools developed last year to automate operation of the outlet control structures. Work is anticipated to continue through the end of the year.

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O. Beltline and Battle Creek Gopher State One Call utility locates (Barr project manager: Nathan Campeau; RWMWD project manager: Dave Vlasin)

The purpose of this project is to protect the Beltline and Battle Creek tunnel systems from damage by assisting the district with utility-locating services through Gopher State One Call. As necessary, Barr will monitor utility locate requests and mark tunnel locations in the field.

During this period, Barr reviewed numerous locate requests and performed on-site locating in response to five requests, including one emergency locate. During the next period, we will continue supporting RWMWD by responding to locate requests as they arise.

Capital improvements

P. 2026 targeted retrofit projects (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, and to provide bid assistance and oversee construction.

Development of future retrofit projects

As potential projects are vetted, they will be documented here. As viable projects advance to site analysis and concept design, they will be tracked separately, as noted below.

During this period, Barr and the RWMWD scouted potential project sites using the Watershed Approach to Retrofit Projects (WARP) tool and previously visited locations. We have reached out to prospective property owners to gauge interest in future retrofit projects.

Thirty Twenty Estates in Little Canada (2026)

Barr completed drawings and an opinion of cost to support discussions with property owners. This pilot project, which applies the Miyawaki Mini Forest method, includes turf conversion and vegetative buffers at a manufactured home site.

Sandstrom Land Management will construct the project this fall. The project team met with property owners and Sandstrom for a preconstruction meeting on July 14. Plantings are anticipated to occur in September or October.

Redeemer Lutheran in White Bear Lake

Barr worked with the RWMWD and the property owner to identify a preferred path forward for project modifications that minimize impacts and align with a stewardship grant approach. We intend to develop the plans this fall so that the church can solicit construction quotes.

1670 Beam Avenue in Maplewood

This commercial property is home to several dental service providers, including Community Dental, a nonprofit organization. The owner is interested in exploring additional tree plantings, with tree trenches identified as the primary BMP for the site. Design is underway; however, the project is now anticipated to be bid in late winter 2026–2027 for spring 2027 construction.

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Gustavus Adolphus Lutheran Church of Saint Paul

Construction is substantially complete, with only planting and fence installation remaining. Those activities are anticipated to occur this fall.



Gustavus Adolphus Lutheran Church of Saint Paul

Q. 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.

Last month, Barr and the RWMWD learned that the Fish Creek tributary stream restoration project was awarded \$850,000 in grant funding through the 3M Priority 2 program. The RWMWD began executing the grant agreement to maintain the planned fall 2026 construction schedule. Barr also continued preparing the project for bidding by finalizing the plans and specifications.

This month, we are requesting board approval to advertise the project for bidding. The final project plans, specifications table of contents, and a memorandum summarizing project benefits are included in this month's board packet. Pending board approval, the bid documents will be finalized and advertised following the August 2026 board meeting. Bid opening is anticipated approximately three weeks after advertisement. If a responsible low bidder is identified, Barr will return to the board with a recommendation for award. Assuming that the grant agreement is executed in August, construction is anticipated to begin following award of the contract, with substantial completion targeted for fall 2026. Vegetation plantings would occur in spring 2027.

R. 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 plan development, bidding, and construction administration to provide additional stormwater treatment and restore wildlife habitat in the area.

During this period, Barr continued coordinating with the RWMWD and the restoration contractor on vegetation management activities at the site. Overall, the site appears stable, with only minor weed encroachment. Barr directed the contractor to complete vegetation maintenance to support the establishment of native plantings.

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S. Ames Lake improvements (Barr project manager: Matt Metzger; RWMWD project manager: Paige Ahlborg)

The purpose of this project, supported by the City of Saint Paul, is to complete the final design of modifications to reduce flood risk to homes and businesses near Ames Lake. Work includes characterizing the sites, coordinating discussions with the city, and preparing final plans and specifications. Bidding and construction management will be part of a separate task. This follow-up planning study was identified in the Beltline resiliency study.

Barr completed a Gopher State One Call and collected supplemental survey data. We are processing the data collected to develop a base file for use throughout the design process. Planning for the geotechnical investigation is ongoing, with fieldwork anticipated later this summer. Over the next several months, we will develop conceptual designs to solicit public input.

T. Wakefield Lake aeration (Barr project manager: Tyler Olsen; RWMWD project managers: Paige Ahlborg and Eric Korte)

The purpose of this project is to finalize the design and implementation of an oxygen saturation technology system in Wakefield Lake to reduce internal phosphorus loading and improve water quality.

During this period, Barr continued evaluating the feasibility of proposed onshore equipment locations, including power supply requirements and coordination with Xcel Energy and the OST vendor. Implementation of the system is anticipated in spring 2027.

CIP project repair and maintenance

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

This program 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 program supports the ongoing evaluation of existing CIP maintenance and repair sites that may require attention. During this period, work primarily focused on Barr's evaluation of the McKnight Basin outlet, including coordination with the broader team, review of inspection reports and GIS figures, and preparation of a memorandum. As repair design advances, this effort will transition to a standalone project, with bidding and construction of outlet repairs anticipated this fall, as mentioned elsewhere in this report.

Work on the 2027 CIP maintenance and repairs project has also begun. This project is currently housed under the broader program and will transition to a separate project once the design package reaches 90-percent completion this fall. The program is underway and is expected to accelerate in the coming weeks. Inspections, coordination with Public Entity Cost Share (PECS) program participants, survey work, and planning for sediment sampling have begun and will continue into the fall. Survey and sediment sampling costs for PECS sites will be reimbursed to

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the RWMWD in the fall. A 90-percent design package, table of contents, and preliminary cost estimate are anticipated to be presented to the board for approval at the November meeting.

V. McKnight Basin outlet repairs (Barr project manager: Joe Welna; RWMWD project manager: Dave Vlasin)

The purpose of this project is to develop plans and specifications for maintenance of the McKnight Basin outlet. McKnight Basin is located along Battle Creek, east of McKnight Road. The basin outlet consists of an approximately 300-foot pipe that conveys flow to Battle Creek. During large rainfall events, water levels in the basin may reach the turfed emergency spillway. The embankment is classified as a high-hazard dam, as overflow through the spillway could cause erosion and potential failure of the embankment, resulting in life-threatening flash flooding downstream.

During this period, Barr continued developing final design of repairs to the outlet pipe, including corrective measures for defects identified during the April 9, 2026, inspection. We completed a Gopher State One Call request and collected utility information near the outlet pipe. We also began coordinating with Ramsey County regarding repairs to catch basins directly connected to the outlet system. Design will continue throughout the year, with final design and permitting anticipated in winter 2026.

W. RWMWD office exterior improvements (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 electric-vehicle (EV) charging stations.

In June, the board approved soliciting bids for the parking lot project. The project includes replacing existing permeable pavement with a heated permeable paver system, installing heated sidewalks to the office building, making ADA accessibility improvements, adding an EV charging station, building a new slab and enclosure for boat storage, and replacing the garbage enclosure.

Bids were opened on July 21, and two bids were received. A memorandum summarizing the bid results and recommending next steps is included in this month's board packet for consideration.

X. Natural resources update: Paul Erdmann

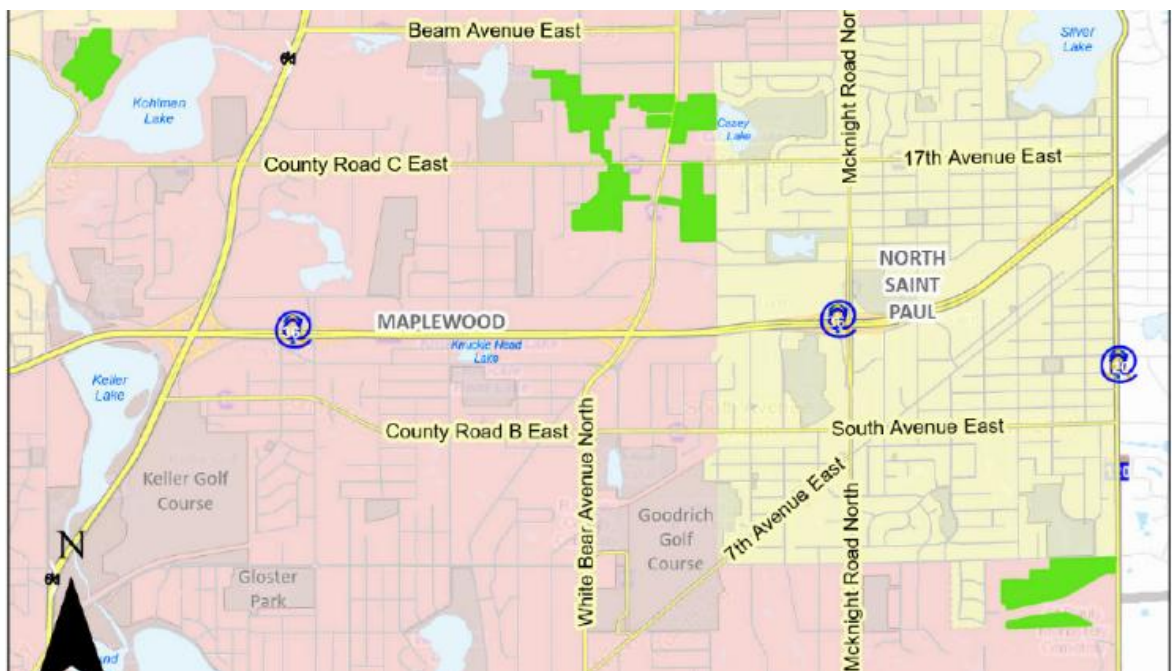
PFAS Settlement Provides Funding for Habitat Projects

After a long wait, the DNR and MPCA recently announced the [selection of 26 proposals](#) to receive a total of \$20 million for habitat restoration and outdoor recreation projects in the Twin Cities east metropolitan area and in downstream areas of the Mississippi and St. Croix rivers that have been affected by PFAS, which was released by 3M. These projects are being funded under Priority 2 of Minnesota's 2018 PFAS settlement with 3M. Priority 1 under the settlement is dedicated to drinking water projects in the Twin Cities east metropolitan area and provides about \$800 million for that work. The Priority 2 grants fund projects focus on the restoration and enhancement of

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aquatic resources, wildlife, habitat, fishing, and outdoor recreational opportunities in the project area.

Many of the projects selected for this round of funding are located within RWMWD, and we will have direct involvement in several of them. RWMWD's Natural Resources Program will be partnering with the City of Woodbury on their Tamarack Nature Preserve restoration project with both financial support and boots on the ground upland habitat restoration. The NR Program will also be assisting Ramsey County with the administration of a grant for habitat restoration on County lands around Kohlman Creek and Lake and Holloway Marsh (see map). The County also received grants for projects in or near Battle Creek Regional Park, Beaver Lake County Park, Keller Regional Park/Lake Gervais County Park, as well as funding for invasive phragmites management throughout the County. It is likely we will have some level of involvement with these projects as well. Last, the District received funding for restoring a stretch of Fish Creek that you can read about elsewhere in this board packet.



Green areas are focus areas of the Kohlman Creek/Lake habitat project

Doing Good Work During the Dog Days & Learning, Too

In between heat and air quality advisories, the NR Crew is out doing maintenance on our restoration sites. Our sites are looking fabulous despite the flash drought and record setting temps. Staff and interns have also attended several trainings and meetings over the last month that provide an opportunity for learning and networking.

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The NR Team was joined by Keira, our Water Quality intern, for the University of Minnesota's Aquatic Plant ID Training. Identification skills gained at the workshop will help us perform aquatic plant surveys and also assist us with critical early detection of Aquatic Invasive Species in District waters and beyond.



Communication intern, Carina, joined the NR team for the Metro Conservation Network's Summer All-Network Meeting, held at Hyland Park Reserve. This meeting focused on Environmental Justice and also featured a Career Pathways panel and expo. Panelists discussed their careers in natural resources and represented a broad range of experiences. After the panel, various organizations hosted tables at the expo to further engage others in career opportunities. Attendance at the



Top- Butterfly milkweed has a banner year on Lake Phalen. Bottom- Joe and Seth study aquatic plants at the UMN

meeting was the highest ever for MCN, largely due to so many early career professionals making the time to join. Paul attended BWSR/MN Wetland Professional Certification Program's Plant ID Refresher & Rapid Floristic Quality Assessment Course in Lino Lakes, learning about an assessment method that could potentially be used for the District's wetland restoration projects. Also in July, the NR interns joined Ramsey County staff and others to view and assist with osprey banding near Rice Creek in Arden Hills. Banding and collecting health data of osprey young allows researchers to identify individual birds, monitor their migration patterns, and study factors like survival rates, breeding site fidelity and documents population trends and conservation efforts. Last, at the end of June, Joe (along with Eric, Lauren, and Ashlee) attended the two-day Tribal State Relations training at the Upper Sioux Community in Granite Falls. This training focuses on "American Indian tribal governments, histories, cultures and traditions, in order to empower state & public employees to work effectively with American Indians and promote authentic and respectful relationships between state agencies and American Indian tribes."

Y. Communications and outreach program: Lauren Hazenson

Youth Education Program

Site Tours:

To: Board of managers and staff
From: Tina Carstens, Brad Lindaman, Erin Anderson Wenz, and Brandon Barnes
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Urban Roots at RWMWD, 7/16/26

- **Location:** RWMWD Office (Pivot from plant to be on Lake Phalen Shoreline due to smoke and high heat)
- **Lesson:** Communications & Engagement Program Intro
- **Goals:** Engage with high school students from Urban Roots to introduce what a watershed and watershed district are, and to introduce them to what the Communications

& Engagement team does

- **Audience:** Urban Roots Summer Session, high school (20 students and 3 supervisors)
- **Activities:**
 - Brief presentation about the differences/similarities between communications, engagement and education – brief activity based on this information
 - Overview of five basic tenants of communication: understanding your audience, setting your goal, crafting your appeal, setting the tone, and deciding on delivery.
 - Students were tasked with using the office site to create a communications piece. They were all given the same audience (their peers) and delivery method (social media post/reel), then they drew popsicle sticks to determine their goal, appeal and tone. They worked in small groups of 1-4 to develop a storyboard or actual video/photo content, create their own script, and deliver a final product in about 30 minutes.

Metro State University tour of BMP sites ,7/20/26

- **Locations:** Aldrich Arena, Woodland Hills Church, East Side Boys & Girls Club, and Roosevelt Homes
- **Staff:** Carrie Magnuson, Paige Ahlborg, Ashlee Ricci
- **Lesson:** Intro to watersheds/watershed districts. Introduction to stormwater BMPs and how/if they intersect with environmental or social justice efforts.
- **Goals:**



- Initiate working relationship with Metro State University
- Create a tour centered on the intersection of watershed work and social work. i.e. Environmental justice,
- Introduce young adults to the watershed and the work we do by bringing them to 4 of our projects
- **Audience:** Intro to Metro State class (4 students, 1 professor)

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From: Tina Carstens, Brad Lindaman, Erin Anderson Wenz, and Brandon Barnes
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Teacher Meetings:

1. Harmony Learning Center

- a. Date: 7/14/26
- b. Goals: Review past year curriculum successes and growth areas, and make tentative plans for 2026-2027 school year.
- c. Summary: Teachers are very happy with established lessons (intro, seed to seedling program, field trip to Maplewood Nature Center). All three teachers wish to keep these interactions/lessons as part of their school year programming. The students enjoy them and find value in the applied language learning. They may want to add a 4th teacher for the coming year.

Adult Education/Outreach Program

- 6/23/26 – RWMWD staff met with Alex and Seth Thompson at Freshwater to discuss future opportunities for collaboration with MN Water Stewards
- 7/1/26 – American Co-op Presentation: Lauren and Carrie presented to a packed room of residents (~60 people). Topics included
 - What is a watershed
 - What is a Watershed District
 - Our work around the Phalen Chain of Lakes
 - What they can do to support clean water
 - 3D plant model activity (a few done on site after the event, several residents took a kit to go) .

Communications and Engagement Plan

The C&E team spent this month meeting about the strategic direction for the Communications, Engagement and Education program areas. The draft of the Communications and Engagement Plan, to be included as an appendix in the 2027 Management Plan Update, is included for board review in this report.

Watershed Week Recap

Watershed Week is back with new locations and two brand new activities! The goal of this event is to grow our visibility in the watershed district, familiarize a new audience with our resources and work, and hopefully create new watershed champions. Watershed Week will be July 19 – July 25. The event page is at rwmwd.org/watershed-week.



To: Board of managers and staff
From: Tina Carstens, Brad Lindaman, Erin Anderson Wenz, and Brandon Barnes
Subject: Project and program status report
Date: July 29, 2026

July 19: Bike Tour

We had 31 cyclists register for the tour before we unfortunately had to cancel due to poor air quality from area wildfires. The bike tour planning team will keep the route plan and presentations for the 2027 tour. Thanks to Pat, Eric, Nick, Cooper, and Carina for all of your work!

July 21: Exceptional Landscape Ecology Tour

Ideal weather, breathtaking gardens, and a talented tour bus driver all contributed to a successful event. We had 26 attendees join us for the three residential gardens and shoreline restorations on the tour. Post-event survey results have been positive, with one attendee commenting, “The tour was inspiring, especially to see the results of dedicated homeowners that provide sustainable environments.”



July 23: Native Plant Bingo

The primary lesson we learned from this event is not to underestimate local interest in a bingo night. We quickly ran out of the 60 bingo cards purchased for the event, and had a group of attendees waiting for a card to free up to participate. This was by far the most popular Watershed Week event to date. Kristin Seaman, Senior Environmental Resources Coordinator at the City of Woodbury, joined us to

provide an announcement about a new city grant for native plant gardens that can be used in conjunction with Stewardship Grants. We distributed informational packets about best water stewardship practices and included brief promotions of each practice in between bingo rounds. Many thanks to bingo caller Ashlee Ricci for helping our team out at this event.

RWMWD Recognized for the Get Gritty Communications Campaign

On July 28, the Minnesota Association of Government Communicators (MAGC) recognized the Ramsey-Washington Metro Watershed District with a Northern Lights Bronze Award for the Get Gritty campaign. The award recognizes excellence in public sector communications and highlights the success of the district's collaborative outreach efforts. Through the campaign, outreach efforts reached an online audience of more than 50,000 people.



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Equity Strategic Plan

Staff subgroups within the internal DEIA team were formed to develop action items for the three goals identified in the strategic planning workshops conducted in May. Lauren Hazenson, Mary Fitzgerald, and Tina Carstens will serve as coordinators across all three groups to ensure there is cross-communication and collaboration where needed.

This month, all three subgroups met to discuss the implementation items for each goal, and start preliminary planning. Each subgroup will meet again in August to further develop the implementation items and assign staff leads for each item.



Wabasso/Owasso Neighborhood Event Recap

Although it was a hot, muggy day, 32 residents near or on Lakes Owasso and Wabasso turned out to tour shoreline BMPs, sample a custom drink from the soda bar, try the Build A Health Lake Activity, and speak with staff about their questions. The event attendees expressed interest in future shoreline restorations and applying for Stewardship Grants, as well as volunteering at future RWMWD activities.

Newsletter and Social Media (Facebook, Instagram, YouTube, LinkedIn)

Facebook

Reach: 19,919

Engagement (likes, shares): 1,335

Followers: 1,859

Instagram

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Reach: 2,577
Engagement: 132

Audience: 1,086

YouTube

Views: 2,886
Watch time (hours): 18.5
Subscribers: 418

LinkedIn

Reach: 1,621

Engagement: 97
Audience: 655

Newsletter

Opens: 56.8%

Link clicks: 2.6%

Other education/outreach initiatives and professional development:

- 6/22/26: Watershed Partners Steering Committee Meeting
- 6/22/26: Art Water Ecology meeting (AWE)
- 6/30/26: In School Program Strategic Planning
- 6/30/26: Lake Wabasso/Owasso outreach event
- 7/6/26: Conflict Management Training
- 7/6/26: Goal #2 Subgroup DEIA Strategic Plan
- 7/7/26: Communications Strategic Planning
- 7/7/26: Engagement Strategic Planning
- 7/9/26: Goal #1 Subgroup DEIA Strategic Plan
- 7/14/26: Goal #3 Subgroup DEIA Strategic Plan
- 7/14/26: Goal #2 DEIA Strategic Plan (meeting 2)
- 7/15/26: MAGC Awards Ceremony and Luncheon
- 7/27/26: DEIA Workgroup Meeting
- 7/28/26: Roseville Farmer's Market tabling
- 7/29/26: LEAP Site Visits