



RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

August 2022 Board Packet

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Agenda

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Regular Board Meeting Agenda

Wednesday, August 3, 2022

6:30 PM

This month's meeting will be held at the District office (2665 Noel Drive, Little Canada, MN) but also via the video conferencing platform Zoom. Board members, staff, consultants, and general public will be able to join in person OR via video and/or phone. In order to continue to be sensitive to the COVID-19 pandemic, we may need to limit the number of public in the board room. The public will be able to listen to meeting but not participate with the exception of the visitor comments portion of the agenda. Instructions for joining in on the Zoom meeting can be found after the agenda.

1. Call to Order – 6:30 PM
2. **Approval of Agenda (pg. 3)**
3. **Consent Agenda: To all be approved with one motion unless removed from consent agenda for discussion.**
 - A. Approval of Regular Meeting Minutes July 6, 2022 (pg. 7)
 - B. Treasurer's Report and Bill List (pg. 12)
 - C. Permit Program
 - i. 22-20 Hawkins Terminal Improvements, St. Paul (pg. 26)
 - ii. 22-21 Lapham-Hickey Steel Addition, Little Canada (pg. 30)
 - iii. 22-23 Shoreview Deluxe Redevelopment Phase I, Shoreview (pg. 34)
 - D. 2022 Targeted Retrofit Projects – Change Order No. 2 (pg. 38)
4. Visitor Comments (limited to 4 minutes each)
5. Permit Program
 - A. Applications –see consent agenda
 - B. Enforcement Action Report (pg. 42)
6. Stewardship Grant Program
 - A. Applications – NONE
 - B. Budget Status Update (pg. 45)
7. Action Items
 - A. NONE
8. Attorney Report
9. Board Issues, Policies and Operation (for discussion at meeting)
 - A. Board Action Log: Additions and Deletions
 - B. West Vadnais Lake Next Steps
 - C. Ponds of Battle Creek Golf Course Update and Land Acquisition & Use Policy
 - D. Letter from LEAP Tour Participant (in packet pg. 47) and Fall Board Tour Ideas
10. New Reports and/or Presentations
 - A. Wetland Management Roles of Other Watershed Management Organizations (pg. 50)
 - B. 2023 Budget Planning Discussion (pg. 57)
11. Administrator's Report (pg. 70)
 - A. Meetings Attended
 - B. Upcoming Meetings and Dates

- C. Ongoing Project Update
- D. West Vadnais Lake Boundary Change Update
- E. MAWD Summer Tour Information
- 12. Project and Program Status Reports (*pg. 75*)
 - A. Interim Emergency Response Planning
 - B. Kohlman Creek Flood Risk Feasibility Study
 - C. Kohlman Creek/Wakefield Lake Diversion Feasibility Study
 - D. County Ditch 17 Improvements Feasibility Study
 - E. Phalen Village Feasibility Study
 - F. Ames Lake Area Flood Risk Reduction Planning Study
 - G. Owasso Basin/North Star Estates Improvements
 - H. Double Driveway Pond Optimization Study
 - I. Carver Ponds Improvement Study
 - J. Lake Emily Subwatershed Regional BMP
 - K. South Metro Mississippi River TSS TMDL
 - L. Annual Water Quality Report Assistance
 - M. Special Project BMP Monitoring
 - N. Kohlman Permeable Weir Test System
 - O. Shallow Lake Aeration Study
 - P. Target Store Stormwater Retrofit Projects
 - Q. Targeted Retrofit Projects
 - R. Stewardship Grant Program – Street Sweeping
 - S. Woodbury Target Stormwater Retrofits
 - T. Beltline Five Year Inspection
 - U. District Inspection Standardization
 - V. CIP Maintenance and Repair Project 2022
 - W. Natural Resources Program Update
 - X. Public Involvement and Education Program Update
 - Y. Communications Program and Website Redesign Update
- 13. Manager Comments and Next Month's Meeting
 - A. Board Action Log (*pg. 96*)
- 14. **Adjourn**



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

NOTICE OF BOARD MEETING

Wednesday, August 3, 2022

6:30 PM

Hybrid Meeting: In-Person and Web Conference

NEW: 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. In order to continue to be sensitive to the COVID-19 pandemic, we may need to limit the number of public in the board room area. The public will be able to listen to meeting but not participate with the exception of the visitor comments portion of the agenda. Visitor comment may be given in person or via Zoom. Instructions for joining in on the Zoom meeting can be found below.

To access the meeting via webcast, please use this link: <https://us02web.zoom.us/j/85348182239?pwd=RWw3MUhqYlpaTU5WZEppYmJMUzhqZz09>

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 **853 4818 2239**. The meeting password is **718089**. If you have any questions, please contact Tina Carstens at tina.carstens@rwmwd.org.

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Consent Agenda

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**Ramsey-Washington Metro Watershed District
Minutes of Regular Board Meeting
July 6, 2022**

The Regular Meeting of July 6, 2022, was held at the District Office Board Room, 2665 Noel Drive, Little Canada, Minnesota, and via Zoom web conferencing, at 6:30 p.m. A video recording of the meeting can be found at https://youtu.be/r5niI0_xKKs. Video time stamps included after each agenda item in minutes.

PRESENT:

Larry Swope, President
Dianne Ward, Vice President
Matt Kramer, Manager

ABSENT:

Dr. Pam Skinner, Secretary
Val Eisele, Treasurer

ALSO PRESENT:

Tina Carstens, District Administrator
Brad Lindaman, Barr Engineering
Matt Doneux, Natural Resources Technician
Burt Johnson, Twin Lakes Resident

Paige Ahlborg, Watershed Project Manager
Laurann Kirschner, Attorney for District
Dave Vlasin, Watershed Project Coordinator

1. CALL TO ORDER

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

President Swope noted that the Board will be completing roll call votes for the meeting and subsequent meetings.

2. APPROVAL OF AGENDA

Motion: Manager Ward moved, Manager Kramer seconded, to approve the agenda as presented.

A roll call vote was performed:

Manager Kramer	aye
Manager Ward	aye
President Swope	aye

Motion carried unanimously.

3. CONSENT AGENDA (1:21)

- A. Approval of Minutes from June 1, 2022
- B. Treasurer's Report and Bill List
- C. Stewardship Grant Program
 - i. 22-23 CS – Castellanos Phase 2, Native Habitat
 - ii. 22-24 CS – Hausauer, Shoreline Restoration
- D. 2022 Targeted Retrofit Projects – Change Order No. 1

Motion: Manager Kramer moved, Manager Ward seconded, to approve the consent agenda as presented.

Further discussion: President Swope referenced #22-23 CS noting that there are two phases and asked if the total project remains within the \$15,000 limit. Paige Ahlborg confirmed that the project remains under that limit.

President Swope referenced the change order for Mounds Park Academy and asked if the school is aware of the tree removal. Paige Ahlborg confirmed that the school is aware of the tree removal and the project continues to move forward.

Manager Ward referenced #22-23 CS and stated that when there are multiple phases, it would help to have a summary of the first phase when considering subsequent phases.

A roll call vote was performed:

Manager Kramer	aye
Manager Ward	aye
President Swope	aye

Motion carried unanimously.

4. VISITOR COMMENTS (3:36)

No comments.

5. PERMIT PROGRAM (5:16)

A. Applications - None

B. Monthly Enforcement Report

During June, three notices were sent to address: install/maintain inlet protection (1), install/maintain construction entrance (1), and maintain/protect permanent BMPs (1).

6. STEWARDSHIP GRANT PROGRAM (5:50)

A. Applications – See Consent Agenda

B. Budget Status Update

Paige Ahlborg provided an overview of the budget status update.

7. ACTION ITEMS

None.

8. ATTORNEY REPORT (6:25)

Laurann Kirschner had nothing to report.

9. BOARD ISSUES, POLICIES, AND OPERATION (FOR DISCUSSION AT MEETING) (6:45)

A. Board Action Log: Additions, Deletions, Updates

Tina Carstens noted that the action log was not attached to the packet.

President Swope stated that the Miyawaki Mini-Forest will be added to the list. He explained that the intent of this document is to keep track of items of interest.

B. Miyawaki Mini-Forest Assessment

President Swope provided details on this method of forestation that he recently learned about at a book release. He stated that perhaps Barr Engineering could do a technical report to determine if this could be a tool for the

District. Tina Carstens stated that she forwarded the information to staff and Barr Engineering will complete a review.

C. Land Acquisition and Use Policy

Tina Carstens stated that she has begun to work on development of a draft policy, reaching out to legal counsel and another watershed district that already has a land acquisition and use policy.

D. West Vadnais Lake Boundary Change

Tina Carstens stated that she and President Swope attended two recent meetings of VLAWMO, and the full Board has approved moving forward with the boundary change as requested by the District. She noted that the City of Vadnais Heights is also asked to voice its support. She stated that she has reached out to BWSR to prepare for the amendment as well.

4. VISITOR COMMENTS (17:04) (Continued)

Burt Johnson, representing Twin Lake Association, commented that the communication from the District has been great during the shoreline restoration project but there has not been great communication from Land Bridge, the restoration contractor. He stated that the residents are looking for additional information as they would want to ensure they are prepared to complete the maintenance after the contracted time of the project.

Tina Carstens noted that Simba Blood is planning to attend the next meeting of the Lake Association to discuss native plantings.

10. NEW REPORTS AND/OR PRESENTATIONS (20:55)

A. 2023 Budget Planning Memo

Tina Carstens provided background information on the budget process noting that the past few years the direction of the Board has been to have a zero percent increase in the levy. She reviewed the reserve policy of the Board, noting that the reserve level is around 56 percent, which still meets the 50 percent specified in the policy but is lower than it has been in the past.

President Swope asked where additional reserves would be placed. Tina Carstens explained that the reserves are held in the case of an emergency and for cash flow purposes during the first half of the year.

Manager Ward commented that perhaps that policy should be revisited during the budget process as costs continue to rise.

President Swope stated that the levy has been held at zero for the past two years, but with inflation he believed that would not be possible again this year.

Tina Carstens commented that the District was able to obtain competitive bids this year. Brad Lindaman agreed that the type of work the District has been doing has resulted in fair bidding prices but anticipated they could see higher prices next year.

Manager Ward commented that perhaps the three to five percent cost of living increase for salaries will not be enough this year as well. Tina Carstens stated that she has reached out to the consultant that works on the salary structures and once she receives that information back, she will report to the Board.

Tina Carstens provided a brief overview of the different budget categories.

Manager Ward commented that perhaps the District could look at a pilot program for tree planting. Tina Carstens commented that could perhaps be part of the discussion with the enhanced street sweeping pilot program.

Tina Carstens continued to provide a summary of the different budget categories, potential projects, and capital improvement projects for 2023.

President Swope asked for details on the 694 project as he believed that the District previously did not meet the timeline for that project. Brad Lindaman agreed with that interpretation but noted that MnDOT has advised the District of a potential new window of opportunity. He stated that the project may look a little different than originally anticipated but may still provide an opportunity to partner.

Paige Ahlborg provided additional details on the targeted retrofit projects.

Tina Carstens noted the additional information that will be provided to the Board at the next meeting related to the budget.

11. ADMINISTRATOR'S REPORT (52:05)

A. Meetings Attended

No comments.

B. Upcoming Meetings and Dates

No comments.

C. Ongoing Project Update

No comments.

D. West Vadnais Lake Boundary Change Update

No comments.

E. MAWD Resolution Information

Tina Carstens stated that MAWD is looking to change from this resolution process towards having a platform of issues but noted that the resolution process appears to be continuing for this year.

12. PROJECT AND PROGRAM STATUS REPORTS (57:41)

- A. Interim Emergency Response Planning
- B. Kohlman Creek Flood Risk Feasibility Study
- C. Kohlman Creek/Wakefield Lake Diversion Feasibility Study
- D. County Ditch 17 Improvements Feasibility Study
- E. Phalen Village Feasibility Study
- F. Ames Lake Area Flood Risk Reduction Planning Study
- G. Owasso Basin/North Star Estates Improvements
- H. Double Driveway Pond Optimization Study
- I. Carver Ponds Improvement Study
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- R. Lake Emily Subwatershed Regional BMP
- S. Beltline Five Year Inspection
- T. District Inspection Standardization

- U. CIP Maintenance and Repair Project 2022
- V. Natural Resources Program Update
- W. Public Involvement and Education Program Update
- X. Communications Program Website Redesign and WaterFest Update

President Swope asked and received confirmation that District staff attends the meetings with the cities related to flooding plans, along with Barr Engineering. He noted that North Saint Paul received a grant from the MPCA for stormwater and asked if the City would be completing the project itself. Tina Carstens stated that the City received the grant but did not have additional information.

Paige Ahlborg believed the City received the grant on its own but is working with Barr Engineering staff to gather information.

President Swope asked the location of ditch 17. Tina Carstens replied that is located between White Bear Avenue and Wakefield, near Goodrich Golf Course.

President Swope noted that a number of the reports mention updating of the flood model and asked if staff ever goes back to compare against the old flood model that was used to make previous approvals. Brad Lindaman stated that information has been collected that is used to update the model and make it better, which includes previously approved projects that have been completed.

President Swope asked if there would be another presentation on the District inspection standardization tool. Tina Carstens anticipated that presentation would be provided in the next coming months.

President Swope commented on the good attendance of WaterFest and asked if there was an option for residents to sign up for updates from the District. Tina Carstens believed that there was an option for residents to sign up for the mailing list. She noted that when people sign up for prizes that also provides contact information.

12. MANAGER COMMENTS AND NEXT MONTH'S MEETING (1:15:29)

A. Board Action Log

No comments.

13. ADJOURN

Motion: Manager Kramer moved, Manager Ward seconded, to adjourn the meeting at 7:45 p.m. Motion carried unanimously.

RWMWD BUDGET STATUS REPORT
Administrative & Program Budget
Fiscal Year 2022
7/31/2022

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	\$8,500.00	-	-	959.10	\$7,540.90	11.28%
	Manager expenses	4360	4,000.00	-	-	-	4,000.00	0.00%
Committees	Committee/Bd Mtg. Exp.	4365	3,500.00	-	245.04	2,528.75	971.25	72.25%
	Sub-Total: Managers/Committees:		\$16,000.00	\$0.00	\$245.04	\$3,487.85	\$12,512.15	21.80%
Employees	Staff salary/taxes/benefits	4010	1,660,000.00	-	131,053.59	946,007.85	713,992.15	56.99%
	Employee expenses	4020	15,000.00	-	1,556.71	4,394.89	10,605.11	29.30%
	District training & education	4350	75,000.00	-	1,809.68	12,157.81	62,842.19	16.21%
	Sub-Total: Employees:		\$1,750,000.00	\$0.00	\$134,419.98	\$962,560.55	\$787,439.45	55.00%
Administration/Office	GIS system maint. & equip.	4170	10,000.00	-	-	2,241.02	7,758.98	22.41%
	Data Base/GIS Maintenance	4171	40,000.00	-	-	98.94	39,901.06	0.25%
	Equipment maintenance	4305	3,000.00	-	-	152.69	2,847.31	5.09%
	Telephone	4310	4,000.00	-	59.34	415.38	3,584.62	10.38%
	Office supplies	4320	7,000.00	-	779.67	3,584.78	3,415.22	51.21%
	IT/Internet/Web Site/Software Lic.	4325	75,000.00	-	6,318.87	45,598.11	29,401.89	60.80%
	Postage	4330	3,000.00	-	-	819.07	2,180.93	27.30%
	Printing/copying	4335	5,000.00	-	294.00	2,674.40	2,325.60	53.49%
	Dues & publications	4338	11,000.00	-	236.00	8,081.94	2,918.06	73.47%
	Janitorial/Trash Service	4341	15,000.00	-	892.84	5,602.74	9,397.26	37.35%
	Utilities/Bldg.Contracts	4342	30,000.00	-	109.49	6,897.38	23,102.62	22.99%
	Bldg/Site Maintenance	4343	150,000.00	-	379.94	19,215.45	130,784.55	12.81%
	Miscellaneous	4390	5,000.00	-	-	-	5,000.00	0.00%
	Insurance	4480	55,000.00	-	-	40,741.00	14,259.00	74.07%
	Office equipment	4703	150,000.00	-	4,765.83	6,290.83	143,709.17	4.19%
	Vehicle lease, maintenance	4810-40	20,000.00	-	798.31	3,745.97	16,254.03	18.73%
	Sub-Total: Administration/Office:		\$583,000.00	\$0.00	\$14,634.29	\$146,159.70	\$436,840.30	25.07%
Consultants/Outside Services	Auditor/Accounting	4110	70,000.00	-	29,184.58	45,871.94	24,128.06	65.53%
	Engineering-administration	4121	125,000.00	-	6,847.00	46,028.00	78,972.00	36.82%
	Engineering-permit I&E	4122	10,000.00	-	92.00	3,280.50	6,719.50	32.81%
	Engineering-eng. review	4123	60,000.00	-	5,059.00	44,596.50	15,403.50	74.33%
	Engineering-permit review	4124	55,000.00	-	5,103.00	29,326.50	25,673.50	53.32%
	Project Feasibility Studies	4129	410,000.00	-	27,414.12	161,221.84	248,778.16	39.32%
	Attorney-permits	4130	10,000.00	-	-	-	10,000.00	0.00%
	Attorney-general	4131	40,000.00	-	486.00	9,470.10	30,529.90	23.68%
	Outside Consulting Services	4160	20,000.00	-	-	-	20,000.00	0.00%
	Sub-Total: Consultants/Outside Services:		\$800,000.00	\$0.00	\$74,185.70	\$339,795.38	\$460,204.62	42.47%
Programs	Educational programming	4370	75,000.00	-	2,068.91	22,583.60	52,416.40	30.11%
	Communications & Marketing	4371	50,000.00	-	2,770.16	28,108.36	21,891.64	56.22%
	Events	4372	46,000.00	-	696.69	45,443.31	556.69	98.79%
	Water QM-Engineering	4520-30	180,000.00	-	27,425.61	87,507.26	92,492.74	48.62%
	Project operations	4650	200,000.00	-	88,506.17	112,200.95	87,799.05	56.10%
	SLMP/TMDL Studies	4661	125,000.00	-	651.50	8,894.00	116,106.00	7.12%
	Natural Resources/Keller Creek	4670-72	120,000.00	-	4,042.03	62,612.73	57,387.27	52.18%
	Outside Prog.Support/Weed Mgmt.	44683	57,000.00	-	-	17,369.33	39,630.67	30.47%
	Research Projects	4695	225,000.00	-	16,072.74	54,591.10	170,408.90	24.26%
	Health and Safety Program	4697	3,000.00	-	1,584.44	3,394.53	(394.53)	113.15%
	Sub-Total: Programs:		\$1,081,000.00	\$0.00	\$143,818.25	\$442,705.17	\$638,294.83	40.95%
GENERAL FUND TOTAL			\$4,230,000.00	\$0.00	\$367,303.26	\$1,894,708.65	\$2,335,291.35	44.79%
CIP's	CIP Project Repair & Maintenance	516	1,500,000.00	-	145,266.53	858,359.28	641,640.72	57.22%
	Targeted Retrofit Projects	518	1,500,000.00	-	20,165.56	143,224.61	1,356,775.39	9.55%
	Flood Risk Reduction Fund	520	5,200,000.00	-	375.20	22,826.85	5,177,173.15	0.44%
	Debt Services-96-97 Beltline/MM/Battle Creek	526	394,711.00	-	-	393,040.40	1,670.60	99.58%
	Stewardship Grant Program Fund	529	1,000,000.00	-	62,743.18	112,857.56	887,142.44	11.29%
	Wetland Restoration Projects	540	500,000.00	-	-	-	500,000.00	0.00%
CIP BUDGET TOTAL			\$10,094,711.00	-	\$228,550.47	\$1,530,308.70	\$8,564,402.30	15.16%
TOTAL BUDGET			\$14,324,711.00	\$0.00	\$595,853.73	\$3,425,017.35	\$10,899,693.65	23.91%

Current Fund Balances:

Fund:	Beginning Fund Balance @ 12/31/21	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Fund Balance @ 07/31/22
101 - General Fund	\$2,382,780.20	-	1,692,535.29	367,303.26	1,894,708.65	2,180,606.84
516 - CIP Project Repair & Maintenance	162,659.00	-	895,457.37	145,266.53	858,359.28	199,757.09
518 - Targeted Retrofit Projects	948,555.00	-	-	20,165.56	143,224.61	805,330.39
520 - Flood Damage Reduction Fund	3,415,744.00	-	880,045.92	375.20	22,826.85	4,272,963.07
526 - Debt Services-96-97 Beltline/MM/Beltline-Battle Creek Tunnel Repair	944,949.00	-	-	-	393,040.40	551,908.60
529 - Stewardship Grant Program Fund	854,750.00	-	181,199.96	62,743.18	112,857.56	923,092.40
536 - Stormwater Impact Fund	309,837.00	-	-	-	-	309,837.00
540 - Wetland Restoration Projects	498,036.00	-	-	-	-	498,036.00
580 - Contingency Fund	1,465,487.00	-	-	-	-	1,465,487.00
Total District Fund Balance	\$10,982,797.20	\$0.00	\$ 3,649,238.54	\$ 595,853.73	\$3,425,017.35	\$11,207,018.39

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From Jun 1, 2022 to Jun 30, 2022

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	06/01/22	met008	Jun 2022	MetLife-Group Benefits	Employee Benefits	\$1,747.45
EFT	06/13/22	hea002	Jul 2022	HealthPartners	Employee Benefits	12,563.83
73029	06/01/22	ben003	WF22	Scott Benson	Events	125.00
73030	06/01/22	bur003	WF22	Summer Burgess	Events	125.00
73031	06/01/22	cen004	WF22	Center for Hmong Arts & Talent	Events	1,000.00
73032	06/01/22	chi004	WF22	Chicks on Sticks	Events	375.00
73033	06/01/22	cit009	5/24/22	City of St. Paul	Events	135.00
73034	06/01/22	com004	5/16/22	Comcast	Utilities/Bldg. Contracts	81.49
73035	06/01/22	dnd001	WF22	DND Goodies	Events	100.00
73036	06/01/22	fun001	213265	Fun Jumps Entertainment, Inc.	Events	642.68
73037	06/01/22	gra001	WF22	Rick Gravrok	Events	200.00
73038	06/01/22	gus001	WF22	Gustavus Adolphus Lutheran Church	Events	150.00
73039	06/01/22	han002	WF22	Dean Hansen	Events	250.00
73040	06/01/22	hej001	350673	Hejny Rental	Natural Resources Project	80.65
73041	06/01/22	hom001	05/27/22	Home Depot Credit Services	Water QM/Natural Res./Constr.Imp.	1,798.54
73042	06/01/22	jad001	WF22	Anita Jader Photography	Events	250.00
73042V	06/08/22	jad001	WF22	Anita Jader Photography	Events	(250.00)
73043	06/01/22	joh008	WF22	Linda John	Events	270.00
73044	06/01/22	nin001	WF22	Nine Yum Yum	Events	100.00
73045	06/01/22	pit001	3105512198	Pitney Bowes Global Financial Serv LLC	Postage Expense	143.55
73046	06/01/22	sai001	3506	Saint Paul Media	Communications & Marketing	50.00
73047	06/01/22	xio002	WF22	Bryan Xiong	Events	200.00
73048	06/16/22	ada002	3476787	Adam's Pest Control, Inc.	Utilities/Bldg. Contracts	86.11
73049	06/16/22	aws001	S1335957-060122	AWS Service Center	Utilities/Bldg. Contracts	295.81
73050	06/16/22	azz001	ASIA1867	Azzone Security Investigation Agency	Events	900.00
73051	06/16/22	cen004	WF22	Center for Hmong Arts & Talent	Events	500.00
73052	06/16/22	cen007	05422F	Central Park Elementary School	Educational Program	220.05
73053	06/16/22	gru001	01-16140	Gruber's Power Equipment	Natural Resources Project	728.40
73054	06/16/22	inn003	12486	Innovational Water Solutions, Inc.	Utilities/Bldg. Contracts	221.40
73055	06/16/22	lea004	CMC-1001653-7	League of MN Cities Ins.Trust P & C	Insurance Expense	40,741.00
73056	06/16/22	lee001	WF22	Pang Lee	Events	75.00
73057	06/16/22	lio001	06/03/22	Lions Club of St. Paul East Parks	Events	485.00
73058	06/16/22	mon001	61428	Monarch Bus Service	Events	1,270.00
73059	06/16/22	nor016	05/27/22	Northland Trust Services, Inc.	Debt Services-Beltline Tunnel	29,426.25
73060	06/16/22	pet001	48579	Peterson Companies, Inc.	Bldg/Site Maintenance	1,452.50
73061	06/16/22	pre003	318807901	Premium Waters, Inc.	Utilities/Bldg. Contracts	28.00
73062	06/16/22	rmb001	B005195	RMB Environmental Laboratories	Water QM Staff-General	2,883.00
73063	06/16/22	stu001	2019587	Studio Lola	Events	832.50
73064	06/16/22	tec001	326128	Tech Sales Co.	Water QM Staff-General	3,105.00
73065	06/16/22	tla001	WF22	Kalpulli Tlaloctecutli	Events	500.00
73066	06/16/22	uha001	5401991659	U-Haul	Events	272.88
73067	06/16/22	usb005	473745735	US Bank Equipment Finance	Postage Expense	294.00
73068	06/28/22	ahl001	Mar-Jun 2022	Paige Ahlborg	Employee Reimbursement	423.10
73069	06/28/22	bal002	Jun 2022	Darcy Ballantyne	Employee Reimbursement	124.41
73070	06/28/22	bar001	5/14-6/17/22	Barr Engineering	May/June Engineering Expense	148,501.98
73071	06/28/22	bar011	21-32 CS	Robert Barry	Stewardship Grant Fund	721.99
73072	06/28/22	blo001	May-Jun 2022	Simba Blood	Employee Reimbursement	335.97
73073	06/28/22	bre003	3rd Qtr-2022	Bremer Bank	Employee Benefits	8,668.75
73074	06/28/22	cad001	18514475	Allstream	Water QM Staff-General	139.08
73075	06/28/22	car007	RWMWD_6_16_22	Carp Solutions, LLC	Natural Resources Project	20,895.00
73076	06/28/22	cit011	230950	City of Roseville	IT/Website/Software	7,004.21
73077	06/28/22	com004	06/16/22	Comcast	Utilities/Bldg. Contracts	81.49
73078	06/28/22	dav003	137732	Davey Resource Group, Inc.	Construction Imp.-Maint. & Rep.	1,518.75
73079	06/28/22	don001	May-Jun 2022	Matthew Doneux	Employee Reimbursement	665.59
73080	06/28/22	fit001	Prog.Pay #3	Fitzgerald Excavating & Trucking, Inc.	Construction Imp.-Maint. & Rep.	183,104.90
73081	06/28/22	fit002	Jun 2022	Mary Fitzgerald	Employee Reimbursement	96.28
73082	06/28/22	fos001	F98549	Fossil Industries, Inc.	Communications & Marketing	1,407.00
73083	06/28/22	gal001	06/21/22	Galowitz Olson, PLLC	June Legal Fees	1,406.50
73084	06/28/22	gru001	01-17086	Gruber's Power Equipment	Natural Resources Project	91.95
73085	06/28/22	haz001	Jun 2022	Lauren Hazenson	Employee Reimbursement	200.00
73086	06/28/22	hej001	Jun 2022	Hejny Rental	Natural Resources Project	170.00
73087	06/28/22	int001	W22050481	Office of MN, IT Services	Telephone Expense	59.34

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From Jun 1, 2022 to Jun 30, 2022

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
73088	06/28/22	kil001	W18194	Killmer Electric Co., Inc.	Project Operations	180.00
73089	06/28/22	kub001	May-Jun 2022	Kyle W. Kubitz	Employee Reimbursement	69.84
73090	06/28/22	lan009	1138	Landbridge Ecological, Inc.	Stewardship Grant Fund	6,886.10
73091	06/28/22	mag004	Jan-Jun 2022	Carrie Magnuson	Employee Reimbursement	430.89
73092	06/28/22	mbc001	1135	MBohn Consulting, LLC	Events	5,424.66
73093	06/28/22	mcd002	21-07 CS	Patty McDonald	Stewardship Grant Fund	658.71
73094	06/28/22	mel001	Apr-Jun 2022	Michelle L. Melser	Employee Reimbursement	123.67
73095	06/28/22	met004	INV2068606	Metro Sales, Inc.	Printing Expense	404.00
73096	06/28/22	min008	34013	Minnesota Native Landscapes, Inc.	Construction Imp.-Maint. & Repair	9,030.00
73097	06/28/22	min010	06/27/22	MN Public Facilities Authority	Debt Services-Beltline Tunnel	87,423.95
73098	06/28/22	ncp001	Jun 2022	NCPEPS Group Life Ins.	Employee Benefits	16.00
73099	06/28/22	nsp001	784908044	Xcel Energy	Water QM/Project Oper/Bldg Maint.	1,620.12
73100	06/28/22	pac001	22100375303	Pace Analytical Services, Inc.	Water QM Staff-General	10,597.00
73101	06/28/22	pas002	Jun 2022	Carol Passi	Employee Reimbursement	107.16
73102	06/28/22	pra001	2213716400	Prairie Moon Nursery, Inc.	Natural Resources Project	498.75
73103	06/28/22	pro003	Jun 2022	Lyndsey R. Provos	Employee Reimbursement	712.39
73104	06/28/22	put001	Jun 2022	Catherine C. Putzier	Employee Reimbursement	152.30
73105	06/28/22	qwe001	Jun 2022	CenturyLink	Project Operations	252.41
73106	06/28/22	red002	15047806	Redpath & Company	May Accounting Services	1,726.92
73107	06/28/22	rmb001	B005408	RMB Environmental Laboratories	Water QM Staff-General	1,888.00
73108	06/28/22	sai001	3517	Saint Paul Media	Communications & Marketing	9,450.00
73109	06/28/22	san003	060222	Sandstrom Land Management	Construction Imp.-Maint. & Repair	5,217.62
73110	06/28/22	sel001	1501	Tim Melser	Bldg/Site Maintenance	150.00
73111	06/28/22	sim001	Jun 2022	Emily Simmons	Employee Reimbursement	185.05
73112	06/28/22	sod001	Jun 2022	Nicole Soderholm	Employee Reimbursement	74.78
73113	06/28/22	soi001	13850	Soil Engineering Testing, Inc.	Project Operations	473.00
73114	06/28/22	stu001	2019587	Studio Lola	Stewardship Grant Fund	2,570.50
73115	06/28/22	til002	Jun 2022	Joseph S. Tillotson	Employee Reimbursement	74.47
73116	06/28/22	tim002	M27402	Timesaver Off-Site Secretarial, Inc.	Committee/Board Meeting Expense	300.00
73117	06/28/22	tro002	22-6	Cathy Troendle	Educational Program	1,196.51
73118	06/28/22	usb002	Jun 2022	U.S. Bank	Monthly Credit Card Expense	13,767.64
73119	06/28/22	voy001	Jun 2022	US Bank Voyager Fleet Sys.	Vehicle Fuel	778.23
73120	06/28/22	woo003	17-26	WoodSpring Suites Woodbury	Dev.Escrow-General	15,000.00
Total						<u>\$657,512.05</u>
EFT	06/10/22	myp001	06/10/22	June 10th Payroll Fees	4110-101-000	73.95
EFT	06/24/22	myp001	06/24/22	June 24th Payroll Fees	4110-101-000	73.95
Dir.Dep.	06/10/22	---	Payroll Expense-Net	June 10th Payroll	4010-101-000	33,367.41
EFT	06/10/22	int002	Internal Rev.Serv.	June 10th Federal Withholding	2001-101-000	11,772.75
EFT	06/10/22	mnd001	MN Revenue	June 10th State Withholding	2003-101-000	2,099.96
EFT	06/10/22	per001	PERA	June 10th PERA	2011-101-000	6,319.12
EFT	06/10/22	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	2,420.00
EFT	06/10/22	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	400.00
Dir.Dep.	06/24/22	---	Payroll Expense-Net	June 24th Payroll	4010-101-000	32,578.67
EFT	06/24/22	int002	Internal Rev.Serv.	June 24th Federal Withholding	2001-101-000	11,577.28
EFT	06/24/22	mnd001	MN Revenue	June 24th State Withholding	2003-101-000	2,074.56
EFT	06/24/22	per001	PERA	June 24th PERA	2011-101-000	6,238.05
EFT	06/24/22	emp002	Empower Retirement	Employee Def.Comp. Contributions	2016-101-000	2,420.00
EFT	06/24/22	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	400.00
Payroll/Benefits:						<u>\$111,815.70</u>
Total						Accounts Payable/Payroll/Benefits: <u>\$769,327.75</u>

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2022 - July 31, 2022

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
07/01/22	EFT	nsp001	Xcel Energy	4343-101-000	Bldg./Site Maintenance	\$591.03	
07/01/22	EFT	aws001	AWS Service Center	4341-101-000	Janitorial/Trash Service	298.84	
07/01/22	EFT	att002	AT & T Mobility - ROC			166.34	
				4530-101-000	Water QM-General		27.44
				4325-101-000	IT/Website/Software		54.66
				4650-101-000	Project Operations-General		84.24
07/01/22	EFT	met008	MetLife-Group Benefits	4040-101-000	Employee Benefits-General	1,747.45	
07/11/22	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits-General	12,563.83	
07/25/22	70282	ben003	Becky Rendall	4372-101-000	Events	110.68	
07/19/22	73121	cad001	Allstream	4530-101-000	Water QM Staff-General	139.98	
07/19/22	73122	del001	Dell Marketing L.P.	4703-101-000	Office Equipment-General	1,696.41	
07/19/22	73123	for001	Forestry Suppliers, Inc.	4670-101-000	Natural Resources Project-General	741.79	
07/19/22	73124	gru001	Gruber's Power Equipment	4670-101-000	Natural Resources Project-General	91.95	
07/19/22	73125	haw001	Hawkins, Inc.	4530-101-000	Water QM Staff-General	7,120.60	
07/19/22	73126	hom001	Home Depot Credit Services			1,470.47	
				4630-516-000	Construction Imp.-Maint & Repair		135.12
				4372-101-000	Events		165.58
				4670-101-000	Natural Resources Project-General		270.05
				4530-101-000	Water QM Staff-General		457.89
				4343-101-000	Bldg./Site Maintenance		54.94
				4650-101-000	Project Operations-General		386.89
07/19/22	73127	nat006	National Band & Tag Company	4670-101-000	Natural Resources Project-General	1,815.00	
07/19/22	73128	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Bldg. Contracts	28.00	
07/19/22	73129	qwe001	CenturyLink	4650-101-000	Project Operations-General	255.97	
07/19/22	73130	sai001	Saint Paul Media	4371-101-000	Communications & Marketing	50.00	
07/19/22	73131	shi001	SHI International Corp.	4703-101-000	Office Equipment-General	1,189.00	
07/19/22	73132	uli001	Uline	4650-516-000	Project Operations	150.46	
07/19/22	73133	usb005	US Bank Equipment Finance	4335-101-000	Printing-General	294.00	
07/19/22	73134	van001	Vanguard Cleaning Systems of Minnesota	4341-101-000	Janitorial/Trash Service	594.00	
07/19/22	73135	vik001	Viking Industrial Center	4530-101-000	Water QM Staff-General	99.00	
07/19/22	73136	wea002	Weaver Elementary School	4370-101-000	Educational Program-General	360.00	
07/26/22	73137	ahl001	Pagie Ahlberg			851.48	
				4020-101-000	Employee Expenses-General		90.09
				4040-101-000	Employee Benefits-General		80.00
				4320-101-000	Office Supplies-General		24.64
				4682-529-000	Stewardship Grant Fund		19.24
				4350-101-000	Training & Education-General		637.51
07/26/22	73138	bal002	Darcy Ballantyne	4020-101-000	Employee Expenses-General	34.69	
07/26/22	73139	bar001	Barr Engineering			121,367.69	
				4121-101-000	Engineering Admin-General Fund		6,847.00
				4123-101-000	Engineering-Review		5,059.00
				4129-101-000	Project Feasability-General		795.00
				4129-101-000	Project Feasability-General		437.00
				4129-101-000	Project Feasability-General		6,447.50
				4129-101-000	Project Feasability-General		6,023.50

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2022 - July 31, 2022

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
				4129-101-000	Project Feasability-General		3,424.50
				4129-101-000	Project Feasability-General		1,430.00
				4129-101-000	Project Feasability-General		400.50
				4129-101-000	Project Feasability-General		5,864.12
				4129-101-000	Project Feasability-General		72.00
				4129-101-000	Project Feasability-General		2,520.00
				4520-101-000	Engineering-WQM		2,549.50
				4520-101-000	Engineering-WQM		602.50
				4520-101-000	Engineering-WQM		532.00
				4122-101-000	Engineering-Permit I&E		92.00
				4124-101-000	Engineering-Permit Review		5,103.00
				4661-101-000	SLMP/TMDL Studies		627.50
				4661-101-000	SLMP/TMDL Studies		24.00
				4695-101-000	Research Projects-General		3,962.00
				4695-101-000	Research Projects-General		12,110.74
				4650-101-000	Project Operations-General		2,458.99
				4128-520-000	Engineering-Flood Damage		298.50
				4128-518-000	Engineering-Targeted Retrofit		17,917.06
				4682-529-000	Engineering-Stewardship Grant Program		4,128.00
				4128-518-000	Engineering-Targeted Retrofit		2,248.50
				4128-516-000	Engineering-Maint. & Repair		4,853.00
				4128-516-000	Engineering-Maint. & Repair		18,814.28
				4128-516-000	Engineering-Maint. & Repair		1,485.50
				4128-516-000	Engineering-Maint. & Repair		4,240.50
07/26/22	73140	bar002	Bill Bartodziej			1,312.71	
				4020-101-000	Employee Expenses-General		797.62
				4040-101-000	Employee Benefits-General		280.00
				4670-101-000	Natural Resources Project-General		235.09
07/26/22	73141	ben002	Benefit Extras, Inc.	4040-101-000	Employee Benefits-General	90.00	
07/26/22	73142	blo001	Simba Blood			448.74	
				4020-101-000	Employee Expenses-General		408.74
				4040-101-000	Employee Benefits-General		40.00
07/26/22	73143	cit011	City of Roseville	4325-101-000	IT/Website/Software	6,264.21	
07/26/22	73144	com004	Comcast	4342-101-000	Utilities/Bldg. Contracts	81.49	
07/26/22	73145	dav003	Davey Resource Group, Inc.	4630-516-000	Construction Imp.-Maint & Rep	2,583.75	
07/26/22	73146	don001	Matthew Doneux			272.00	
				4670-101-000	Natural Resources Project-General		229.07
				4020-101-000	Employee Expenses-General		2.93
				4040-101-000	Employee Benefits-General		40.00
07/26/22	73147	dtd001	D & T Development, LLP	2024-101-000	Dev. Escrow-General	13,020.00	
07/26/22	73148	emp003	Dept. of Employment & Economic Develop.	4032-101-000	MN UC Fund	2,250.00	
07/26/22	73149	fit001	Fitzgerald Excavating & Trucking, Inc.	4630-516-000	Construction Imp.-Maint & Rep	108,737.67	
07/26/22	73150	fit002	Mary Fitzgerald			113.83	
				4020-101-000	Employee Expenses-General		58.25
				4040-101-000	Employee Benefits-General		55.58
07/26/22	73151	for001	Forestry Suppliers, Inc.	4670-101-000	Natural Resources Project-General	129.88	

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2022 - July 31, 2022

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
07/26/22	73152	gal001	Galowitz Olson, PLLC	4131-101-000	Attorney General-General	486.00	
07/26/22	73153	ham002	Hamline University	4370-101-000	Educational Program-General	55.90	
07/26/22	73154	hea003	Heartquest Trainers, LLC	4697-101-000	Health & Safety Program	1,097.50	
07/26/22	73155	inn002	Innovative Office Solutions, LLC	4320-101-000	Office Supplies-General	462.35	
07/26/22	73156	int001	Office of MN, IT Services	4310-101-000	Telephone-General	59.34	
07/26/22	73157	jac002	Amy Jacky	4682-529-000	Stewardship Grant Fund	396.50	
07/26/22	73158	kub001	Kyle W. Kubitza	4040-101-000	Employee Benefits-General	121.53	
07/26/22	73159	lan009	Landbridge Ecological, Inc.	4682-529-000	Stewardship Grant Fund	38,907.52	
07/26/22	73160	lea003	L. Tracy Leavenworth	4370-101-000	Educational Program-General	951.59	
07/26/22	73161	mel001	Michelle Melser			420.35	
				4345-101-000	Bldg./Site Maintenance		325.00
				4040-101-000	Employee Benefits-General		69.61
				4020-101-000	Employee Expenses-General		25.74
07/26/22	73162	met006	Metropolitan Council	4650-101-000	Project Operations-General	85,320.08	
07/26/22	73163	min008	Minnesota Native Landscapes, Inc.	4682-529-000	Stewardship Grant Fund	12,810.00	
07/26/22	73164	nep001	NCPERS Group Life Insurance	4040-101-000	Employee Benefits-General	16.00	
07/26/22	73165	nor002	North St. Paul Land & Development, LLC	2024-101-000	Dev. Escrow-General	9,650.00	
07/26/22	73166	nsp001	Xcel Energy	4650-520-000	Project Operations-Flood	76.70	
07/26/22	73167	pac001	Pace Analytical Services, Inc.	4530-101-000	Water QM Staff-General	13,668.70	
07/26/22	73168	pas002	Carol Passi			90.90	
				4020-101-000	Employee Expenses-General		50.90
				4040-101-000	Employee Benefits-General		40.00
07/26/22	73169	put001	Catherine C. Putzier	4020-101-000	Employee Expenses-General	23.22	
07/26/22	73170	red002	Redpath & Company, Ltd.	4110-101-000	Auditor/Accounting	28,485.85	
07/26/22	73171	rmb001	RMB Environmental Laboratories	4530-101-000	Water QM Staff-General	2,228.00	
07/26/22	73172	san003	Sandstrom Land Management	4630-516-000	Construction Imp.-Maint & Rep	4,266.25	
07/26/22	73173	shi001	SHI International Corp.	4703-101-000	Office Equipment-General	1,189.00	
07/26/22	73174	sim001	Emily Simmons			143.57	
				4020-101-000	Employee Expenses-General		48.73
				4040-101-000	Employee Benefits-General		40.00
				4372-101-000	Events		26.84
				4320-101-000	Office Supplies-General		28.00
07/26/22	73175	sod001	Nicole Soderholm			800.06	
				4040-101-000	Employee Benefits-General		40.00
				4020-101-000	Employee Expenses-General		15.80
07/26/22	73176	tim002	Timesaver Off-Site Secretarial, Inc.	4350-101-000	Training & Education-General	190.50	744.26
07/26/22	73177	tro002	Cathy Troendle	4365-101-000	Committee/Board Meeting Expense	701.42	
				4370-101-000	Educational Program-General		691.25
				4370-101-000	Educational Program-General		2.46
				4370-101-000	Educational Program-General		7.71
07/26/22	73178	uli001	Uline	4697-101-000	Health & Safety Program	407.04	
07/26/22	73179	usb002	U.S. Bank			5,948.23	
				4320-101-000	Office Supplies-General		44.05
				4320-101-000	Office Supplies-General		10.00
				4325-101-000	IT/Website/Software		96.13
				4320-101-000	Office Supplies-General		33.00
				4365-101-000	Committee/Board Meeting Expense		54.54
				4320-101-000	Office Supplies-General		15.22

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2022 - July 31, 2022

Date	Check #	Vendor ID	Name	Account ID	Account Description	Amount	Check Detail
				4320-101-000	Office Supplies-General		16.06
				4350-101-000	Training & Education-General		301.18
				4338-101-000	Dues & Publications		97.00
				4320-101-000	Office Supplies-General		36.89
				4320-101-000	Office Supplies-General		21.43
				4703-101-000	Equipment		578.45
				4371-101-000	Communications & Marketing		384.00
				4110-101-000	Auditor/Accounting		550.83
				4320-101-000	Office Supplies-General		82.45
				4372-101-000	Events		59.59
				4371-101-000	Communications & Marketing		207.87
				4350-101-000	Training & Education-General		126.73
				4338-101-000	Dues & Publications		139.00
				4320-101-000	Office Supplies-General		8.68
				4371-101-000	Communications & Marketing		2,111.00
				4371-101-000	Communications & Marketing		17.29
				4703-101-000	Equipment		89.99
				4703-101-000	Equipment		22.98
				4372-101-000	Events		204.87
				4320-101-000	Office Supplies-General		12.57
				4320-101-000	Office Supplies-General		15.39
				4670-101-000	Natural Resources Project-General		529.20
				4697-101-000	Health & Safety Program		79.90
				4320-101-000	Office Supplies-General		1.94
07/26/22	73180	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel-General	798.31	
07/26/22	73181	was002	Washington Conservation District	4682-529-000	Stewardship Grant Fund	5,108.33	
07/26/22	73182	zaf001	Sarah Zafar	4682-529-000	Stewardship Grant Fund	1,373.59	
Accounts Payable Total:						\$505,387.27	
EFT	07/08/22	myp001	Payroll Fees	4110-101-000	July 8th Payroll Fees	73.95	
EFT	07/22/22	myp001	Payroll Fees	4110-101-000	July 22nd Payroll Fees	73.95	
Dir.Dep.	07/08/22	---	Payroll Expense-Net	4010-101-000	July 8th Payroll	32,915.25	
EFT	07/08/22	int002	Internal Rev.Serv.	2001-101-000	July 8th Federal Withholding	11,699.68	
EFT	07/08/22	mnd001	MN Revenue	2003-101-000	July 8th State Withholding	2,100.64	
EFT	07/08/22	per001	PERA	2011-101-000	July 8th PERA	6,319.13	
EFT	07/08/22	emp002	Empower Retirement	2016-101-000	Employee Def. Comp. Contributions	2,420.00	
EFT	07/08/22	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	400.00	
Dir.Dep.	07/22/22	---	Payroll Expense-Net	4010-101-000	July 22nd Payroll	32,771.79	
EFT	07/22/22	int002	Internal Rev.Serv.	2001-101-000	July 22nd Federal Withholding	11,647.51	
EFT	07/22/22	mnd001	MN Revenue	2003-101-000	July 22nd State Withholding	2,090.41	
EFT	07/22/22	per001	PERA	2011-101-000	July 22nd PERA	6,319.13	
EFT	07/22/22	emp002	Empower Retirement	2016-101-000	Employee Def. Comp. Contributions	2,420.00	
EFT	07/22/22	emp002	Empower Retirement	2018-101-000	Employee IRA Contributions	400.00	
Payroll/Benefits						\$111,651.44	
TOTAL:						\$617,038.71	




**Summary of Professional Engineering Services During the Period
June 18, 2022 through July 15, 2022**

	Total Engineering Budget (2022)	Total Fees to Date (2022)	Budget Balance (2022)	Fees During Period	District Accounting Code	Plan Implementation Task Number
Engineering Administration						
General Engineering Administration	\$80,000.00	\$46,028.00	\$33,972.00	\$6,847.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program	\$2,000.00	\$540.00	\$1,460.00	\$0.00	4697-101	DW-13
Educational Program/Educational Forum Assistance	\$20,000.00	\$2,847.50	\$17,152.50	\$0.00	4129-101	DW-11
Topical Workshop, Education, and Planning	\$25,000.00	\$0.00	\$25,000.00	\$0.00	4129-101	DW-13
Engineering Review						
Engineering Review	\$60,000.00	\$44,596.50	\$15,403.50	\$5,059.00	4123-101	DW-13
Project Feasibility Studies						
Interim emergency response plan funds for top priority District flooding areas	\$30,000.00	\$15,518.00	\$14,482.00	\$795.00	4129-101	DW-19
Groundwater/Surface Water Next Steps	\$50,000.00	\$0.00	\$50,000.00	\$0.00	4129-101	DW-10, DW-16
Hillcrest Golf Course	\$20,000.00	\$72.00	\$19,928.00	\$0.00	4129-101	DW-6
Kohlman Creek flood damage reduction feasibility study	\$75,000.00	\$5,753.50	\$69,246.50	\$437.00	4129-101	DW-9, KC-2, BELT-3
Kohlman Creek- Wakefield Lake Diversion Planning and Design	\$111,600.00	\$34,376.00	\$86,010.00	\$6,447.50	4129-101	DW-9, KC-2, BELT-3
Improvements to County Ditch 17	\$20,000.00	\$18,474.50	\$1,525.50	\$6,023.50	4129-101	DW-9, BELT-3
Improvements to Phalen Village	\$20,000.00	\$14,282.00	\$5,718.00	\$3,424.50	4129-101	DW-9, BELT-3
Ames Lake Technical Assistance and Project Planning with St. Paul	\$25,000.00	\$14,401.00	\$10,599.00	\$1,430.00	4129-101	DW-9, BELT-3
694/494/94 WQ treatment feasibility study	\$30,000.00	\$0.00	\$30,000.00	\$0.00	4129-101	BCL-3
Double Driveway Optimization Study	\$25,000.00	\$3,109.50	\$21,890.50	\$400.50	4129-101	FC-2
Carver Pond Improvements Study (Fish Creek Subwatershed)	\$25,000.00	\$10,153.12	\$14,846.88	\$5,864.12	4129-101	FC-2
Evaluate compliance with South Metro Mississippi River TSS TMDL	\$30,000.00	\$2,004.00	\$27,996.00	\$72.00	4129-101	MR-2
Owasso Basin area/North Star Estates improvements (with City of Little Canada)	\$50,000.00	\$37,261.72	\$12,738.28	\$2,620.00	4129-101	GC-3
Wetland Restoration Workshop, Education, and Planning	\$5,000.00	\$2,969.00	\$2,031.00	\$0.00	4129-101	DW-8
Contingency*	\$45,000.00	\$0.00	\$45,000.00	\$0.00	4129-101	
GIS Maintenance						
GIS Maintenance	\$5,000.00	\$554.00	\$4,446.00	\$0.00	4170-101	DW-13
Monitoring Water Quality/Project Monitoring						
Lake Water Quality Monitoring (Misc QA/QC)	\$10,000.00	\$34.50	\$9,965.50	\$0.00	4520-101	DW-2
Annual WQ Report Assistance	\$10,000.00	\$10,320.50	-\$320.50	\$2,549.50	4520-101	DW-2
Special Project BMP Monitoring	\$25,000.00	\$7,082.29	\$17,917.71	\$602.50	4520-101	DW-12
Grass Lake Berm Wetland Monitoring	\$10,000.00	\$7,708.95	\$2,291.05	\$532.00	4520-101	DW-5
Permit Processing, Inspection and Enforcement						
Permit Application Inspection and Enforcement	\$10,000.00	\$3,280.50	\$6,719.50	\$92.00	4122-101	DW-7
Permit Application Review	\$55,000.00	\$29,326.50	\$25,673.50	\$5,103.00	4124-101	DW-7
Lake Studies/TMDL Reports						
2022 Grant Applications	\$40,000.00	\$2,005.50	\$37,994.50	\$0.00	4661-101	DW-13
WMP Updates - Including Implementation Plan Updates if needed	\$20,000.00	\$3,048.50	\$16,951.50	\$627.50	4661-101	DW-13
Prioritization of water quality projects from subwatershed feasibility studies	\$5,000.00	\$840.00	\$4,160.00	\$24.00	4661-101	DW-13
Cost/Benefit Analysis of Treatment Options for Bennett and Wakefield in 2020 Internal Load Analysis	\$35,000.00	\$930.00	\$34,070.00	\$0.00	4661-101	WL-3, BeL-3
Phalen Chain of Lakes Changes in Water Quality	\$2,500.00	\$2,070.00	\$430.00	\$0.00	4661-101	DW-2, DW-12
Contingency for Lake Studies	\$22,500.00	\$0.00	\$22,500.00	\$0.00	4661-101	
Research Projects						
New Technology Mini Case Studies (average 6 per year)	\$12,000.00	\$2,812.00	\$9,188.00	\$0.00	4695-101	DW-12
Kohlman Permeable Weir Test System - Implement Monitoring Plan	\$50,000.00	\$11,428.50	\$38,571.50	\$3,962.00	4695-101	DW-12
Shallow Lake Aeration Study	\$90,000.00	\$40,350.60	\$49,649.40	\$12,110.74	4695-101	DW-12
Project Operations						
2021 Tanners Alum Facility Monitoring	\$15,000.00	\$14,027.49	\$972.51	\$2,458.99	4650-101	TaL-3
Capital Improvements						
North St. Paul Target	\$160,000.00	\$157,119.80	\$2,880.20	\$0.00	4128-518	DW-6
East St Paul and North St. Paul Target Retrofit Projects	\$5,000.00	\$2,137.00	\$2,863.00	\$0.00	4128-518	DW-6
Ryan Drive-Keller Parkway Conveyance	\$194,000.00	\$225,117.20	-\$31,117.20	\$298.50	4128-520	DW-9, GC-3
2022 Targeted Retrofit Projects	\$135,000.00	\$134,358.00	\$642.00	\$17,917.06	4128-518	DW-6
Stewardship Grant Program: GenI BMP Design Assistance and Review (cases where Dist is approached by landowner, or landowner is not commercial, school, church).	\$75,000.00	\$16,410.31	\$58,589.69	\$4,128.00	4682-529	DW-6
Kohlman Creek Storage and Detention	\$200,000.00	\$0.00	\$200,000.00	\$0.00	4128-520	KC-2
Wetland Restoration	\$100,000.00	\$0.00	\$100,000.00	\$0.00	4128-529	DW-8
South Owasso Boulevard East WQ Pond	\$150,000.00	\$0.00	\$150,000.00	\$0.00	4128-520	GC-3
West Industrial Park Berm and associated improvements	\$150,000.00	\$0.00	\$150,000.00	\$0.00	4128-520	GC-3
Lake Emily Subwatershed Regional BMP	\$160,000.00	\$2,248.50	\$157,751.50	\$2,248.50	4128-518	LE-3
CIP Project Repair & Maintenance						
Routine CIP Inspection and Unplanned Maintenance Identification	\$125,000.00	\$41,263.21	\$83,736.79	\$4,853.00	4128-516	DW-5
Beltline 5-year Inspection	\$70,000.00	\$65,975.52	\$4,024.48	\$18,814.28	4128-516	BELT-2
District Inspection Standardization	\$34,200.00	\$29,817.76	\$4,382.24	\$1,485.50	4128-516	DW-5
2022 CIP Maintenance and Repairs	\$150,000.00	\$88,069.92	\$61,930.08	\$4,240.50	4128-516	DW-5
2023 CIP Maintenance and Repairs (planning, bidding, and project setup)	\$40,000.00	\$0.00	\$40,000.00	\$0.00	4128-516	DW-5

\$121,367.69

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


Bradley J. Lindaman, Vice President

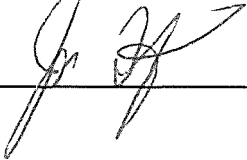
2022 Capitol Improvemet Project (CIP) Progress Payment Number 4 Final

1.0	Total Completed Through This Period:	<u>\$562,273.60</u>	
2.0	Total Completed Previously Completed:		<u>\$477,406.24</u>
3.0	Total Completed This Period:		<u>\$84,867.36</u>
4.0	Amount Previously Retained:	<u>\$23,870.31</u>	
5.0	Amount Retained This Period (See Note 1):		<u>\$0.00</u>
6.0	Total Amount Retained (See Note 1):	<u>\$23,870.31</u>	
7.0	Retainage Released Through This Period:		<u>\$23,870.31</u>
8.0	Total Retainage Remaining:	<u>\$0.00</u>	
9.0	Amounts Previously Paid:	<u>\$453,535.93</u>	
10.0	Amount Due This Estimate:		<u><u>\$108,737.67</u></u>

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

SUBMITTED BY:

Name: Jason Fitzgerald Date: 7-21-22
Title: President
Contractor: Fitzgerald Excavating & Trucking, Inc.

Signature: 

RECOMMENDED BY:

Name: Brad Lindaman Date: _____
Title: District Engineer
Engineer: Barr Engineering Company

Signature: _____

APPROVED BY:

Name: Lawrence Swope Date: _____
Title: President
Owner: Ramsey-Washington Metro Watershed District

Signature: _____

2022 Capital Improvement Project (CIP)
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 19th, 2022 for Progress Payment Number 4 Final

						(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/Demobilization	L.S.	1	\$80,000.00	\$80,000.00	1.00	\$80,000.00	1.00	\$80,000.00	0.00	\$0.00
B	Control of Water	L.S.	1	\$25,000.00	\$25,000.00	1.00	\$25,000.00	1.00	\$25,000.00	0.00	\$0.00
C	Traffic Control	L.S.	1	\$2,000.00	\$2,000.00	1.00	\$2,000.00	1.00	\$2,000.00	0.00	\$0.00
Site 1 - Tamarack Swamp, Woodbury (PFS Basins Cleaning/Sweeping)											
F	Sediment Log (9-Inch Diameter)	L.F.	60	\$1.00	\$60.00	0	\$0.00	0	\$0.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	92	\$36.00	\$3,312.00	92	\$3,312.00	92	\$3,312.00	0	\$0.00
G	Paver Sweeping (1,400 S.Y.)	S.Y.	1,400	\$3.00	\$4,200.00	1,400	\$4,200.00	1,400	\$4,200.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	100	\$1.00	\$100.00	100	\$100.00	100	\$100.00	0	\$0.00
Site 2 - Tanners Wetland, Oakdale (Wetland Weir Maintenance)											
J	Permeable Weir Maintenance (Reopening Drainage Slots and Remove all Brush and Debris)	L.F.	580	\$20.00	\$11,600.00	580	\$11,600.00	580	\$11,600.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	210	\$1.00	\$210.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 3 - Gervais Mill Park, Little Canada (Mill Pond Filter Maintenance)											
L	Flotation Silt Curtain	L.F.	45	\$20.00	\$900.00	45	\$900.00	45	\$900.00	0	\$0.00
O	Composite Mud Mats Protection (Double Layer)	S.Y.	100	\$5.00	\$500.00	0	\$0.00	0	\$0.00	0	\$0.00
H	Remove Existing 1-1/2 inch to 2-inch Filter Rock	L.S.	1	\$8,000.00	\$8,000.00	1	\$8,000.00	1	\$8,000.00	0	\$0.00
I	Clear Washed Filter Rock	TON	50	\$50.00	\$2,500.00	41	\$2,061.50	0	\$0.00	41	\$2,061.50
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	400	\$1.00	\$400.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 4 - Lower Afton Road, Maplewood (Drainageway Sediment Removal)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	0	\$0.00	0	\$0.00	0	\$0.00
N	Temporary Rock Filter Dike	TON	10	\$40.00	\$400.00	0	\$0.00	0	\$0.00	0	\$0.00
O	Composite Mud Mats Protection (Double Layer)	S.Y.	45	\$5.00	\$225.00	0	\$0.00	0	\$0.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	127	\$36.00	\$4,572.00	127	\$4,572.00	127	\$4,572.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	210	\$1.00	\$210.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 5 - Kohlman Basin, Maplewood (Sand Filter Maintenance)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	0	\$0.00	0	\$0.00	0	\$0.00
Q	Inlet Protection	EACH	2	\$150.00	\$300.00	0	\$0.00	0	\$0.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	15	\$36.00	\$540.00	15	\$540.00	15	\$540.00	0	\$0.00
R	Clean Openings on Energy Dissipation Structure	L.S.	1	\$3,000.00	\$3,000.00	1	\$3,000.00	1	\$3,000.00	0	\$0.00
S	Removal and Disposal of Filter Material (Pea Rock and Sand)	C.Y.	14	\$30.00	\$420.00	14	\$420.00	14	\$420.00	0	\$0.00
T	Filter Fabric MN/DOT Type 5	S.Y.	38	\$6.00	\$228.00	38	\$228.00	38	\$228.00	0	\$0.00
U	Clean Washed Sand	TON	14	\$40.00	\$568.00	14	\$560.00	0	\$0.00	14	\$560.00
V	Pea Rock	TON	4	\$40.00	\$172.00	36	\$1,440.00	0	\$0.00	36	\$1,440.00
E	Site Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	200	\$1.00	\$200.00	159	\$159.00	159	\$159.00	0	\$0.00

2022 Capital Improvement Project (CIP)
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 19th, 2022 for Progress Payment Number 4 Final

						(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
Site 6 - Wakefield Lake, Maplewood (Test Cell Media Replacement)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	0	\$0.00	0	\$0.00	0	\$0.00
W	Clean-out Accumulated Sediment in Riprap Void Areas	L.S.	1	\$2,000.00	\$2,000.00	1	\$2,000.00	1	\$2,000.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	42	\$36.00	\$1,512.00	42	\$1,512.00	42	\$1,512.00	0	\$0.00
X	Granite Sand	TON	35	\$35.00	\$1,225.00	35	\$1,211.00	0	\$0.00	35	\$1,211.00
Y	Iron Aggregate	TON	1.8	\$125.00	\$225.00	1	\$125.00	0	\$0.00	1	\$125.00
I	Clear Washed Filter Rock	TON	0.2	\$250.00	\$50.00	0	\$0.00	0	\$0.00	0	\$0.00
Z	MN/DOT Class III Riprap (Field Stone) with Geotextile Filter Fabric	TON	10	\$90.00	\$900.00	10	\$900.00	0	\$0.00	10	\$900.00
E	Site Access Restoration (Seeding and Erosion Control Blanket)	S.Y.	380	\$1.00	\$380.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 7 - County Road D, Vadnais Heights (Washout Repair)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	1	\$500.00	1	\$500.00	0	\$0.00
P	Clear and Grub	L.S.	1	\$8,000.00	\$8,000.00	1	\$8,000.00	1	\$8,000.00	0	\$0.00
K	Silt Fence	L.F.	300	\$3.00	\$900.00	150	\$450.00	150	\$450.00	0	\$0.00
AA	Remove and Disposal of Existing 15" Flared End Section and 1.5' of 15" C.P.E.P.	L.S.	1	\$1,000.00	\$1,000.00	1	\$1,000.00	1	\$1,000.00	0	\$0.00
BB	22" HDPE DR 17 Pipe	L.F.	131	\$120.00	\$15,720.00	131	\$15,720.00	131	\$15,720.00	0	\$0.00
CC	Anti-Seepage Collar for 22" HDPE Pipe	EACH	4	\$2,400.00	\$9,600.00	3	\$7,200.00	3	\$7,200.00	0	\$0.00
DD	24" RCP CL 3	L.F.	29	\$125.00	\$3,625.00	29	\$3,625.00	29	\$3,625.00	0	\$0.00
EE	24" RCP Flared End Section w/ Pipe Ties	Each	1	\$1,500.00	\$1,500.00	1	\$1,500.00	1	\$1,500.00	0	\$0.00
FF	48" Dia. Precast Concrete Manhole with Manhole Casting Assembly	EACH	2	\$5,000.00	\$10,000.00	2	\$10,000.00	2	\$10,000.00	0	\$0.00
Z	MN/DOT Class IV Riprap (Field Stone) with Geotextile Filter Fabric	TON	25	\$90.00	\$2,250.00	12	\$1,055.70	0	\$0.00	12	\$1,055.70
HH	Excavate, Cut, Fill, Grade Channel	L.S.	1	\$35,000.00	\$35,000.00	1	\$35,000.00	1	\$35,000.00	0	\$0.00
II	High Performance Turf Reinforcement Mat (HP-TRM)	S.Y.	250	\$14.00	\$3,500.00	250	\$3,500.00	250	\$3,500.00	0	\$0.00
JJ	High Performance Flexible Growth Medium (HP-FGM)	S.Y.	375	\$5.00	\$1,875.00	0	\$0.00	0	\$0.00	0	\$0.00
KK	Rock Grade Control Check Dam	EACH	2	\$3,000.00	\$6,000.00	2	\$6,000.00	0	\$0.00	2	\$6,000.00
LL	Salvage and Replace Topsoil	C.Y.	62	\$10.00	\$620.00	262	\$2,620.00	62	\$620.00	200	\$2,000.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	660	\$3.00	\$1,980.00	3,548	\$10,644.00	3,548	\$10,644.00	0	\$0.00
Site 8 - Gervais Creek, Little Canada (Creek Improvements Restoration)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	1	\$500.00	1	\$500.00	0	\$0.00
P	Clear and Grub	L.S.	1	\$5,000.00	\$5,000.00	1	\$5,000.00	1	\$5,000.00	0	\$0.00
MM	Salvage and Replace Large Fallen Tree in Slope Wash-out	L.S.	1	\$2,000.00	\$2,000.00	1	\$2,000.00	1	\$2,000.00	0	\$0.00
Q	Inlet Protection	EACH	1	\$150.00	\$150.00	0	\$0.00	0	\$0.00	0	\$0.00
K	Slit Fence (Double Row)	L.F.	130	\$6.00	\$780.00	65	\$390.00	65	\$390.00	0	\$0.00
NN	Clean Sediment 8' out from Existing Pipe	L.S.	1	\$1,000.00	\$1,000.00	1	\$1,000.00	1	\$1,000.00	0	\$0.00
OO	Remove Existing 18" CMP and Headwall	L.S.	1	\$500.00	\$500.00	1	\$500.00	1	\$500.00	0	\$0.00
BB	18" HDPEP DR 17	L.F.	119	\$95.00	\$11,305.00	119	\$11,305.00	119	\$11,305.00	0	\$0.00
BB	28" HDPEP DR 17	L.F.	81	\$230.00	\$18,630.00	81	\$18,630.00	81	\$18,630.00	0	\$0.00
CC	Anti-Seepage Collar for 28" HDPE Pipe	EACH	3	\$2,400.00	\$7,200.00	3	\$7,200.00	3	\$7,200.00	0	\$0.00
DD	24" RCP CL 3	L.F.	25	\$125.00	\$3,125.00	16	\$2,000.00	16	\$2,000.00	0	\$0.00
EE	24" RCP Flared End Section w/ Pipe Ties	EACH	1	\$1,500.00	\$1,500.00	1	\$1,500.00	1	\$1,500.00	0	\$0.00
FF	48" Dia. Precast Concrete Manhole with Manhole Casting Assembly	EACH	2	\$7,000.00	\$14,000.00	2	\$14,000.00	2	\$14,000.00	0	\$0.00
GG	30" Dia. Precast Concrete Catch Basin with Casting Assembly	EACH	4	\$2,900.00	\$11,600.00	4	\$11,600.00	4	\$11,600.00	0	\$0.00
Z	MN/DOT Class IV Riprap (Field Stone) with Geotextile Filter Fabric	TON	20	\$90.00	\$1,800.00	18	\$1,605.60	0	\$0.00	18	\$1,605.60
UU	Select Granular Backfill	C.Y.	237	\$20.00	\$4,740.00	357	\$7,140.00	0	\$0.00	357	\$7,140.00
LL	Salvage and Replace Topsoil	C.Y.	175	\$10.00	\$1,750.00	575	\$5,750.00	0	\$0.00	575	\$5,750.00
II	High Performance Turf Reinforcement Mat (HP-TRM)	S.Y.	95	\$14.00	\$1,330.00	95	\$1,330.00	95	\$1,330.00	0	\$0.00
JJ	High Performance Flexible Growth Medium (HP-FGM)	S.Y.	345	\$5.00	\$1,725.00	1,222	\$6,110.00	1,222	\$6,110.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	700	\$3.00	\$2,100.00	375	\$1,125.00	375	\$1,125.00	0	\$0.00

2022 Capital Improvement Project (CIP)
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 19th, 2022 for Progress Payment Number 4 Final

						(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
Site 9 - Meadowood Pond, Woodbury (Pond Cleanout)											
M	Construction Entrance	EACH	2	\$500.00	\$1,000.00	2	\$1,000.00	2	\$1,000.00	0	\$0.00
P	Clear and Grub	L.S.	1	\$4,000.00	\$4,000.00	1	\$4,000.00	1	\$4,000.00	0	\$0.00
L	Flotation Silt Curtain	L.F.	330	\$10.00	\$3,300.00	0	\$0.00	0	\$0.00	0	\$0.00
Q	Inlet Protection	EACH	3	\$150.00	\$450.00	0	\$0.00	0	\$0.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	500	\$36.00	\$18,000.00	500	\$18,000.00	0	\$0.00	500	\$18,000.00
Z	MN/DOT Class III Riprap (Field Stone) with Geotextile Filter Fabric	TON	20	\$90.00	\$1,800.00	20	\$1,800.00	0	\$0.00	20	\$1,800.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	1150	\$1.00	\$1,150.00	343	\$343.00	343	\$343.00	0	\$0.00
Site 10 - Ventura Pond, Woodbury (Pond Cleanout)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	1	\$500.00	1	\$500.00	0	\$0.00
Q	Inlet Protection	EACH	2	\$150.00	\$300.00	0	\$0.00	0	\$0.00	0	\$0.00
PP	Remove Trash Guard and Clean-out 5' of Pipe	EACH	2	\$1,000.00	\$2,000.00	2	\$2,000.00	2	\$2,000.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	250	\$36.00	\$9,000.00	300	\$10,800.00	300	\$10,800.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	650	\$1.00	\$650.00	689	\$689.00	689	\$689.00	0	\$0.00
Site 11 - Lake Terrace Pond, Woodbury (Pond Cleanout)											
M	Construction Entrance	EACH	1	\$500.00	\$500.00	1	\$500.00	1	\$500.00	0	\$0.00
Q	Inlet Protection	EACH	2	\$150.00	\$300.00	0	\$0.00	0	\$0.00	0	\$0.00
L	Flotation Silt Curtain	L.F.	150	\$10.00	\$1,500.00	150	\$1,500.00	150	\$1,500.00	0	\$0.00
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	TON	2880	\$36.00	\$103,680.00	2,001	\$72,050.40	2,001	\$72,050.40	0	\$0.00
Z	MN/DOT Class III Riprap (Field Stone) with Geotextile Filter Fabric	TON	20	\$90.00	\$1,800.00	20	\$1,800.00	0	\$0.00	20	\$1,800.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	175	\$1.00	\$175.00	181	\$181.00	181	\$181.00	0	\$0.00

2022 Capital Improvement Project (CIP)
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 19th, 2022 for Progress Payment Number 4 Final

						(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
Site 12 - Willow Creek, White Bear											
QQ	Furnish and Install Prefabricated Headwall Grate	L.S.	1	\$7,500.00	\$7,500.00	1	\$7,500.00	1	\$7,500.00	0	\$0.00
Site 13 - RWMWD Office, Little Canada (Inlet Structure Sink Hole Repair)											
RR	Exploration Excavation of Sink Hole Around Structure and Disposal of Excavated Materials	L.S.	1	\$2,000.00	\$2,000.00	1	\$2,000.00	1	\$2,000.00	0	\$0.00
LL	Salvage and Replace Existing Topsoil	L.S.	1	\$2,000.00	\$2,000.00	1	\$2,000.00	1	\$2,000.00	0	\$0.00
SS	Furnish and Install External Manhole Seal	Each	1	\$2,000.00	\$2,000.00	1	\$2,000.00	1	\$2,000.00	0	\$0.00
TT	Back Fill with Granular Bentonite/Sand Mixture	C.Y.	2	\$175.00	\$350.00	2	\$350.00	2	\$350.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	25	\$1.00	\$25.00	25	\$25.00	25	\$25.00	0	\$0.00
Contract Base Extensions =					\$514,194.00		\$488,379.20		\$436,930.40		\$51,448.80
Change Order 1											
C.O.1.A	Woodbury Ponds - Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2) to alternative, non-landfill, site.	TON	2,000	\$32.00	\$64,000.00	2,309	\$73,894.40	1,265	\$40,475.84	1,044	\$33,418.56
Change Order Extensions =					\$64,000.00		\$73,894.40		\$40,475.84		\$33,418.56
Contract Grand Total =					\$578,194.00		\$562,273.60		\$477,406.24		\$84,867.36

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 20, 2022
File No: 9M

	Balance
General Account	<u>\$486.00</u>

Permit Application Coversheet

Date August 03, 2022

Project Name Hawkins Terminal Improvements

Project Number 22-20

Applicant Name Drew Scott, Hawkins

Type of Development Industrial

Property Description

This project is located at 1125 Childs Road along the Mississippi River in the City of St. Paul. The applicant is proposing to complete site improvements including paving, concrete containment construction, and the reconstruction of a loading platform. The total site area is 0.64 acre. The site is located within the 100-year floodplain, thus triggering District Rule D for flood control. The applicant has submitted material import and export volumes to demonstrate there will be no net fill within the floodplain. Site disturbance is greater than 1,000 square feet, so District Rule F for erosion and sediment control also applies to this project. Due to an accelerated timeline to complete this project, a temporary erosion and sediment control permit was issued by RWMWD staff on 7/13/22.

Watershed District Policies or Standards Involved:

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

Water Quantity Considerations

The proposed site plan achieves no net loss in floodplain storage.

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.

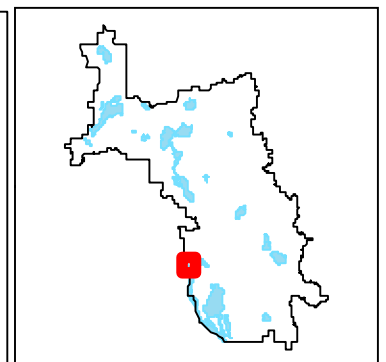
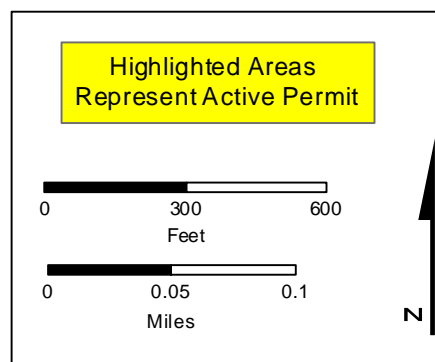
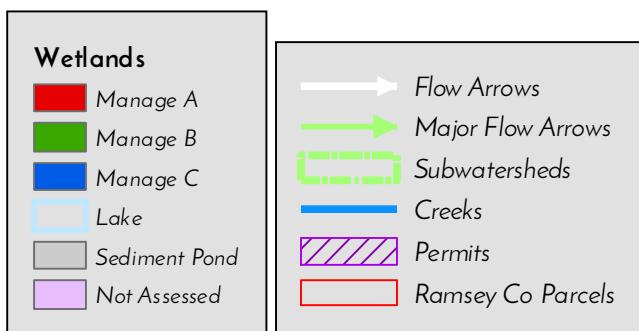
Staff Recommendation

Staff recommends approval of this permit.

Attachments:

- ☒ Project Location Map
- ☒ Project Grading Plan

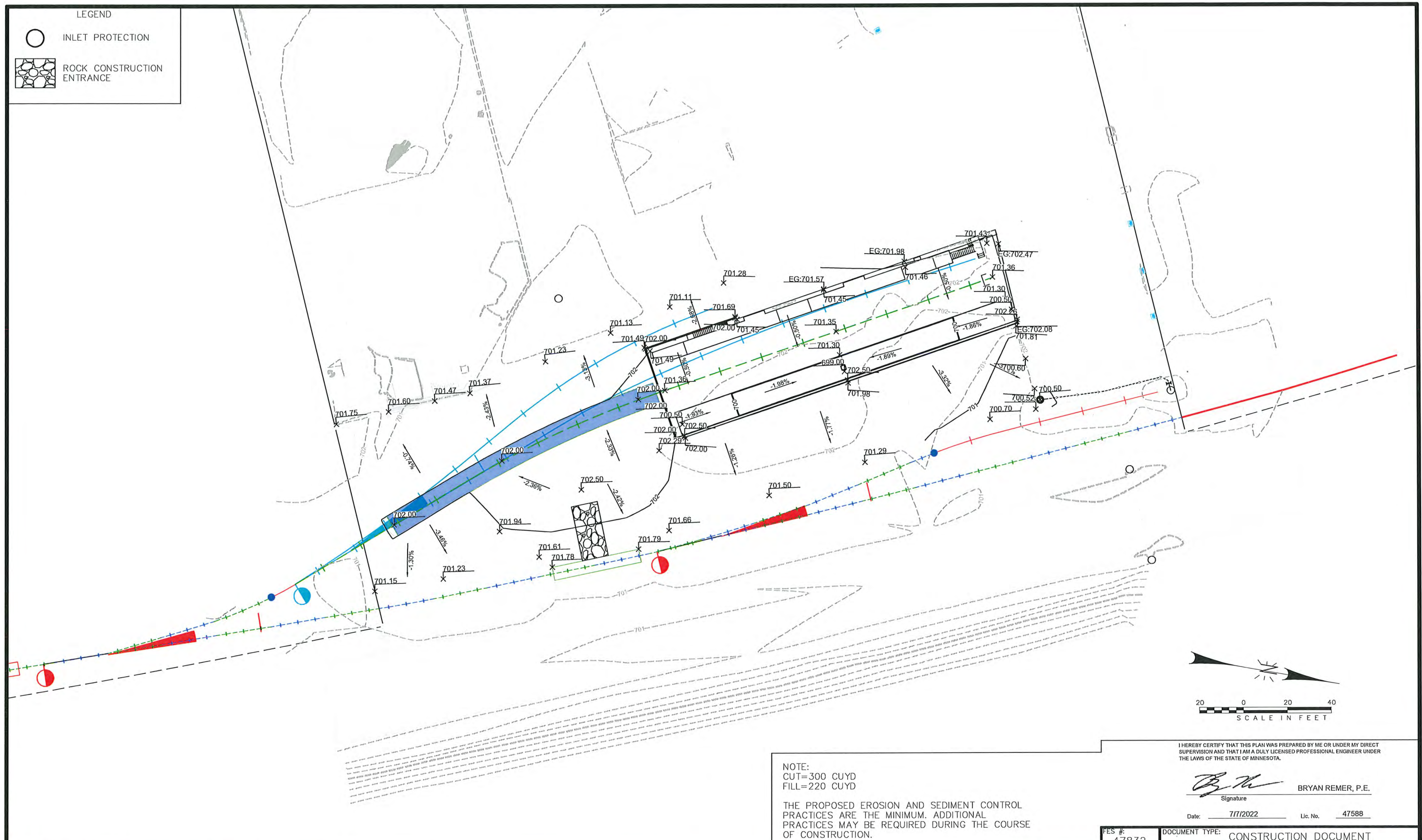
#22-20 Hawkins Terminal Improvements



22-20

Special Provisions


None



NOTE:
CUT=300 CUYD
FILL=220 CUYD


THE PROPOSED EROSION AND SEDIMENT CONTROL PRACTICES ARE THE MINIMUM. ADDITIONAL PRACTICES MAY BE REQUIRED DURING THE COURSE OF CONSTRUCTION.

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


Signature
BRYAN REMER, P.E.

Date: 7/7/2022 Lic. No. 47588

REV. #	BY	DATE	DESCRIPTION
1	CMM	07/07/22	ISSUED FOR CONSTRUCTION
0	CMM	06/07/22	ISSUED FOR CONSTRUCTION

 Ex. UPRR Track	 Shift Ind. Track	 Hand Throw Turnout
 Prop. UPRR Track	 Future Ind. Track	 Power Turnout
 Remove UPRR Track	 Prop. Leased Ind. Trk	 Power Derail
 Shift UPRR Track	 Ex. Leased Ind. Trk	 Hand Throw Derail
 Ex. Ind. Track	 No RR Operations	 Point of Curve
 Prop. Ind. Track	 Right of Way	 Bridge
 Remove Ind. Track	 Acquire Property	 Signal

 PHONE: 320.229.4300
1200 25TH AVENUE SOUTH
P.O. BOX 1717
ST. CLOUD, MN 56302-1717
www.sehinc.com



FES #: 47832	DOCUMENT TYPE: CONSTRUCTION DOCUMENT
DRAWN BY: CMM	UNION PACIFIC RAILROAD For use in Agreement with: HAWKINS INC
CHECKED BY: BJR	LOCATION & DESCRIPTION: SOUTH ST. PAUL, MN - ALBERT LEA SUB. MP 351.6 Trackage to Serve: Hawkins INC, Ramsey Co, MN
DATE: 07/07/22	SHEET TITLE: GRADING PLAN
SHEET NUMBER 9	

Permit Application Coversheet

Date August 03, 2022

Project Name Lapham-Hickey Steel Addition

Project Number 22-21

Applicant Name Patrick Domeier, Lapham-Hickey Steel

Type of Development Industrial

Property Description

This project is located at 3250 Spruce Street, east of Blacktern Pond in the City of Little Canada. The applicant is proposing to construct an office and warehouse addition with associated parking and landscaping. The total site area is approximately 2.4 acres. A 'no wetland determination' for the site was approved on 6/15/22 (#22-05 WCA). A filtration basin is proposed to meet stormwater treatment requirements. Filtration is being proposed due to the site's location within a DWSMA (Drinking Water Supply Management Area) ERA (Emergency Response Area) with moderate vulnerability. Pretreatment will include a vegetated swale.

Watershed District Policies or Standards Involved:

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

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.

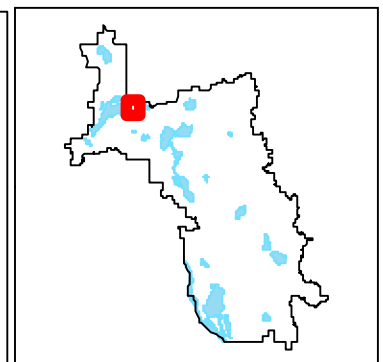
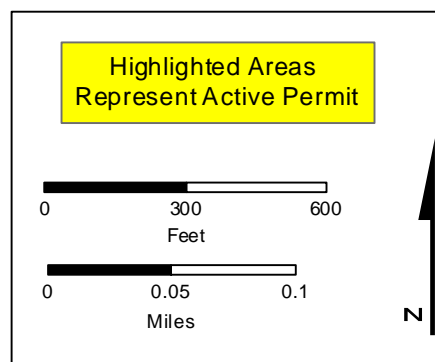
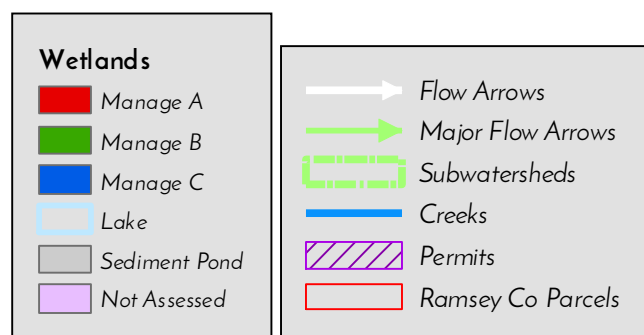
Staff Recommendation

Staff recommends approval of this permit with the special provisions.

Attachments:

- ☒ Project Location Map
- ☒ Project Grading Plan

#22-21 Lapham-Hickey Steel Addition



22-21

Special Provisions

1. The applicant shall submit the escrow fee of \$11,800.
2. The applicant shall submit the 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 erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).
5. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.

PRELIMINARY:
NOT FOR
CONSTRUCTION

PROJECT
LAPHAM HICKEY
3250 SPRUCE STREET, LITTLE CANADA, MN 55117
LAPHAM HICKEY STEEL
3250 SPRUCE STREET, LITTLE CANADA, MN 55117

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.

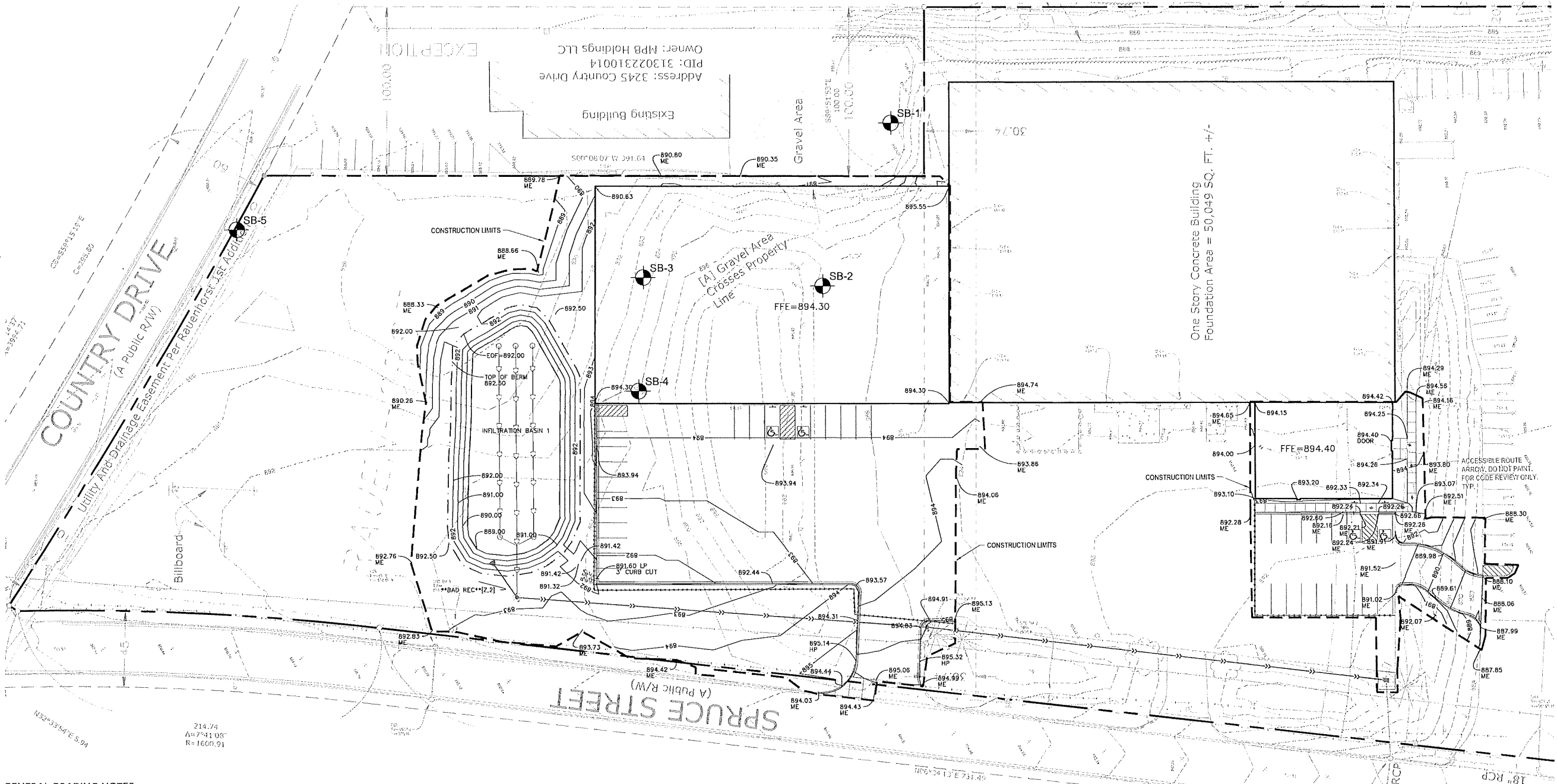
Matthew R. Pavlek
DATE 05/27/22 LICENSE# 44263

ISSUE/SUBMITTAL SUMMARY	
DATE	DESCRIPTION
05/27/22	FINAL SUBMITTAL
05/27/22	WATERSHED SUBMITTAL
05/19/22	WATERSHED SUBMITTAL
DRAWN BY: FJ REVIEWED BY: MP	
PROJECT NUMBER: 16074.01	
REVISION SUMMARY	
DATE	DESCRIPTION

GRADING PLAN

C3.0

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GENERAL GRADING NOTES:

- CONTRACTOR SHALL VERIFY ALL BUILDING ELEVATIONS, (FFE, LFE, GFE), PRIOR TO CONSTRUCTION BY CROSS CHECKING WITH ARCHITECTURAL, STRUCTURAL AND CIVIL ELEVATIONS FOR EQUIVALENT "100" ELEVATIONS. THIS MUST BE DONE PRIOR TO EXCAVATION AND INSTALLATION OF ANY FOOTING MATERIALS. VERIFICATION OF THIS COORDINATION SHALL BE CONFIRMED IN WRITING BY CIVIL, SURVEYOR, ARCHITECTURAL, STRUCTURAL AND CONTRACTOR PRIOR TO CONSTRUCTION.
- ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "GOPHER STATE ONE CALL" (651-454-0002 OR 800-252-1156) FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.
- SEE SITE PLAN FOR HORIZONTAL LAYOUT & GENERAL GRADING NOTES.
- THE CONTRACTOR SHALL COMPLETE THE SITE GRADING CONSTRUCTION (INCLUDING BUT NOT LIMITED TO SITE PREPARATION, SOIL CORRECTION, EXCAVATION, EMBANKMENT, ETC.) IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER'S SOILS ENGINEER. ALL SOIL TESTING SHALL BE COMPLETED BY THE OWNER'S SOILS ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED SOIL TESTS AND INSPECTIONS WITH THE SOILS ENGINEER.
- ANY ELEMENTS OF AN EARTH RETENTION SYSTEM AND RELATED EXCAVATIONS THAT FALL WITHIN THE PUBLIC RIGHT OF WAY WILL REQUIRE A "RIGHT OF WAY EXCAVATION PERMIT". CONTRACTOR IS RESPONSIBLE FOR ACQUIRING THIS PERMIT PRIOR TO CONSTRUCTION IF APPLICABLE.
- ALL EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE. CONTACT "GOPHER STATE ONE CALL" (651-454-0002 OR 800-252-1156) FOR UTILITY LOCATIONS, 48 HOURS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY UTILITIES THAT ARE DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.
- GRADING AND EXCAVATION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS & PERMIT REQUIREMENTS OF THE CITY.
- PROPOSED SPOT GRADES ARE FLOW-LINE FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- GRADES OF WALKS SHALL BE INSTALLED WITH 5% MAX. LONGITUDINAL SLOPE AND 1% MIN. AND 2% MAX. CROSS SLOPE, UNLESS OTHERWISE NOTED.
- PROPOSED SLOPES SHALL NOT EXCEED 3:1 UNLESS INDICATED OTHERWISE ON THE DRAWINGS. MAXIMUM SLOPES IN MAINTAINED AREAS IS 4:1
- PROPOSED RETAINING WALLS, FREESTANDING WALLS, OR COMBINATION OF WALL TYPES GREATER THAN 4' IN HEIGHT SHALL BE DESIGNED AND ENGINEERED BY A REGISTERED RETAINING WALL ENGINEER. DESIGN DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF GRADE STAKES THROUGHOUT THE DURATION OF CONSTRUCTION TO ESTABLISH PROPER GRADES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR A FINAL FIELD CHECK OF FINISHED GRADES ACCEPTABLE TO THE ENGINEER/LANDSCAPE ARCHITECT PRIOR TO TOPSOIL AND SODDING ACTIVITIES.
- IF EXCESS OR SHORTAGE OF SOIL MATERIAL EXISTS, THE CONTRACTOR SHALL TRANSPORT ALL EXCESS SOIL MATERIAL OFF THE SITE TO AN AREA SELECTED BY THE CONTRACTOR, OR IMPORT SUITABLE MATERIAL TO THE SITE.
- EXCAVATE TOPSOIL FROM AREAS TO BE FURTHER EXCAVATED OR REGRADED AND STOCKPILE IN AREAS DESIGNATED ON THE SITE. THE CONTRACTOR SHALL SALVAGE ENOUGH TOPSOIL FOR RESPREADING ON THE SITE AS SPECIFIED. EXCESS TOPSOIL SHALL BE PLACED IN EMBANKMENT AREAS, OUTSIDE OF BUILDING PADS, ROADWAYS AND PARKING AREAS. THE CONTRACTOR SHALL SUBCUT CUT AREAS, WHERE TURF IS TO BE ESTABLISHED, TO A DEPTH OF 6 INCHES. RESPREAD TOPSOIL IN AREAS WHERE TURF IS TO BE ESTABLISHED TO A MINIMUM DEPTH OF 6 INCHES.

- FINISHED GRADING SHALL BE COMPLETED. THE CONTRACTOR SHALL UNIFORMLY GRADE AREAS WITHIN LIMITS OF GRADING, INCLUDING ADJACENT TRANSITION AREAS. PROVIDE A SMOOTH FINISHED SURFACE WITHIN SPECIFIED TOLERANCES, WITH UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE ELEVATIONS ARE SHOWN, OR BETWEEN SUCH POINTS AND EXISTING GRADES. AREAS THAT HAVE BEEN FINISH GRADED SHALL BE PROTECTED FROM SUBSEQUENT CONSTRUCTION OPERATIONS, TRAFFIC AND EROSION. REPAIR ALL AREAS THAT HAVE BECOME RUTTED BY TRAFFIC OR FLOODED BY WATER OR HAS SETTLED BELOW THE CORRECT GRADE. ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO EQUAL OR BETTER THAN ORIGINAL CONDITION OR TO THE REQUIREMENTS OF THE NEW WORK.
- PRIOR TO PLACEMENT OF THE AGGREGATE BASE, A TEST ROLL WILL BE REQUIRED ON THE STREET AND/OR PARKING AREA SUBGRADE. THE CONTRACTOR SHALL PROVIDE A LOADED TANDEM AXLE TRUCK WITH A GROSS WEIGHT OF 25 TONS. THE TEST ROLLING SHALL BE AT THE DIRECTION OF THE SOILS ENGINEER AND SHALL BE COMPLETED IN AREAS AS DIRECTED BY THE SOILS ENGINEER. THE SOILS ENGINEER SHALL DETERMINE WHICH SECTIONS OF THE STREET OR PARKING AREA ARE UNSTABLE. CORRECTION OF THE SUBGRADE SOILS SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOILS ENGINEER. NO TEST ROLL SHALL OCCUR WITHIN 10' OF ANY UNDERGROUND STORM RETENTION/DETENTION SYSTEMS.
- TOLERANCES
 - THE BUILDING SUBGRADE FINISHED SURFACE ELEVATION SHALL NOT VARY BY MORE THAN 0.30 FOOT ABOVE, OR 0.30 FOOT BELOW, THE PRESCRIBED ELEVATION AT ANY POINT WHERE MEASUREMENT IS MADE.
 - THE STREET OR PARKING AREA SUBGRADE FINISHED SURFACE ELEVATION SHALL NOT VARY BY MORE THAN 0.05 FOOT ABOVE, OR 0.10 FOOT BELOW, THE PRESCRIBED ELEVATION OF ANY POINT WHERE MEASUREMENT IS MADE.
 - AREAS WHICH ARE TO RECEIVE TOPSOIL SHALL BE GRADED TO WITHIN 0.30 FOOT ABOVE OR BELOW THE REQUIRED ELEVATION, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
 - TOPSOIL SHALL BE GRADED TO PLUS OR MINUS 1/2 INCH OF THE SPECIFIED THICKNESS.
- MAINTENANCE
 - THE CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION, AND KEEP AREA FREE OF TRASH AND DEBRIS.
 - CONTRACTOR SHALL REPAIR AND REESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS TO SPECIFIED TOLERANCES. DURING THE CONSTRUCTION, IF REQUIRED, AND DURING THE WARRANTY PERIOD, ERODED AREAS WHERE TURF IS TO BE ESTABLISHED SHALL BE RESEDED AND MULCHED.
 - WHERE COMPLETED COMPACTED AREAS ARE DISTURBED BY SUBSEQUENT CONSTRUCTION OPERATIONS OR ADVERSE WEATHER, CONTRACTOR SHALL SCARIFY, SURFACE, RESHAPE, AND COMPACT TO REQUIRED DENSITY PRIOR TO FURTHER CONSTRUCTION.

CITY OF LITTLE CANADA GRADING NOTES:

- RESERVED FOR CITY SPECIFIC GRADING NOTES.

RAMSEY-WASHINGTON METRO WATERSHED NOTES:

- NOTIFY NICOLE SODERHOLM RAMSEY-WASHINGTON METRO WATERSHED DISTRICT, AT 651-792-7976 PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY IN ORDER TO SCHEDULE AN INITIAL SWPPP INSPECTION.
- NOTIFY NICOLE SODERHOLM RAMSEY-WASHINGTON METRO WATERSHED DISTRICT, AT 651-792-7976 PRIOR TO CONSTRUCTION OF THE PROPOSED INFILTRATION BASIN.

EROSION CONTROL NOTES:

SEE SWPPP ON SHEETS SW1.0 - SW1.5

GROUNDWATER INFORMATION:

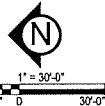
PER GEOTECHNICAL REPORT BY HAUGO GEOTECHNICAL SERVICES, DATED 10-10-16 GROUNDWATER WAS OBSERVED AT ELEVATIONS RANGING FROM 880.50 TO 882.50

THE BORINGS & GROUNDWATER ARE AS FOLLOWS:
SB-3 880.50
SB-4 881.50
SB-5 882.50

PROPOSED FOOTING DRAIN TILE INVERT ELEVATION = XXXXX

GRADING PLAN LEGEND:

1125	EX. 1" CONTOUR ELEVATION INTERVAL
1137	1.0' CONTOUR ELEVATION INTERVAL
41.26	SPOT GRADE ELEVATION (GUTTER/FLOW LINE UNLESS OTHERWISE NOTED)
891.00 G	SPOT GRADE ELEVATION GUTTER
891.00 TC	SPOT GRADE ELEVATION TOP OF CURB
891.00 BS/TS	SPOT GRADE ELEVATION BOTTOM OF STAIRS/TOP OF STAIRS
891.00 ME	SPOT GRADE ELEVATION MATCH EXISTING
68	GRADE BREAK - HIGH POINTS
EOFF=1135.52	CURB AND GUTTER (T.O. = TIP OUT)
EMERGENCY OVERFLOW	



Permit Application Coversheet

Date August 03, 2022

Project Name Shoreview Deluxe Redevelopment Phase I Project Number 22-23

Applicant Name Jake Kurth, Scannell Properties #452, LLC.

Type of Development Industrial

Property Description

This project is located at 3680 Victoria Street North, south of I-694 in the City of Shoreview. The applicant is proposing to demolish an existing office building and parking lot, and construct two industrial office-warehouse buildings with associated parking and stormwater management. The total site area is 22 acres. The project represents the first phase in an anticipated multi-use development (totaling 50 acres) which is proposed to include future multi-family residential and retail/office uses. Subsequent phases of the project will be required to submit separate permit applications and provide additional stormwater treatment. For the current phase, the applicant is proposing four filtration basins to meet District requirements. An existing stormwater pond on the east side of the site will remain in place. A wetland delineation was completed in 2020. Wetland areas identified were designated as incidental through WCA (Wetland Conservation Act), meaning they are non-historical wetlands unintentionally created due to past mass grading activities and improper parking lot drainage (#20-16 WCA, 21-01 WCA).

Watershed District Policies or Standards Involved:

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

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.

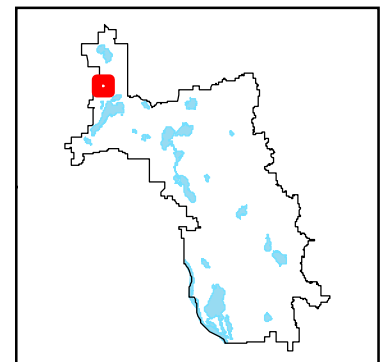
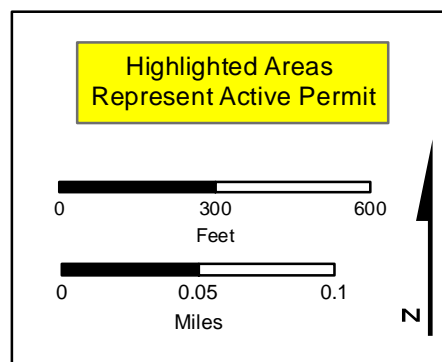
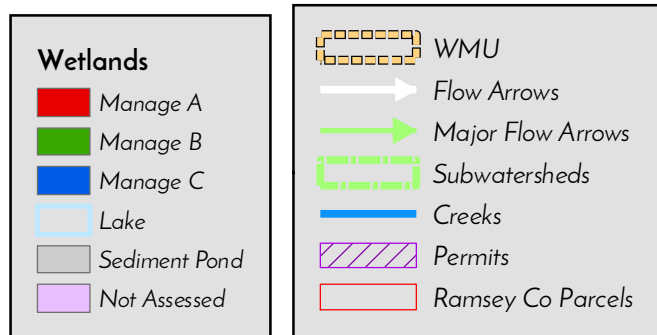
Staff Recommendation

Staff recommends approval of this permit with the special provisions.

Attachments:

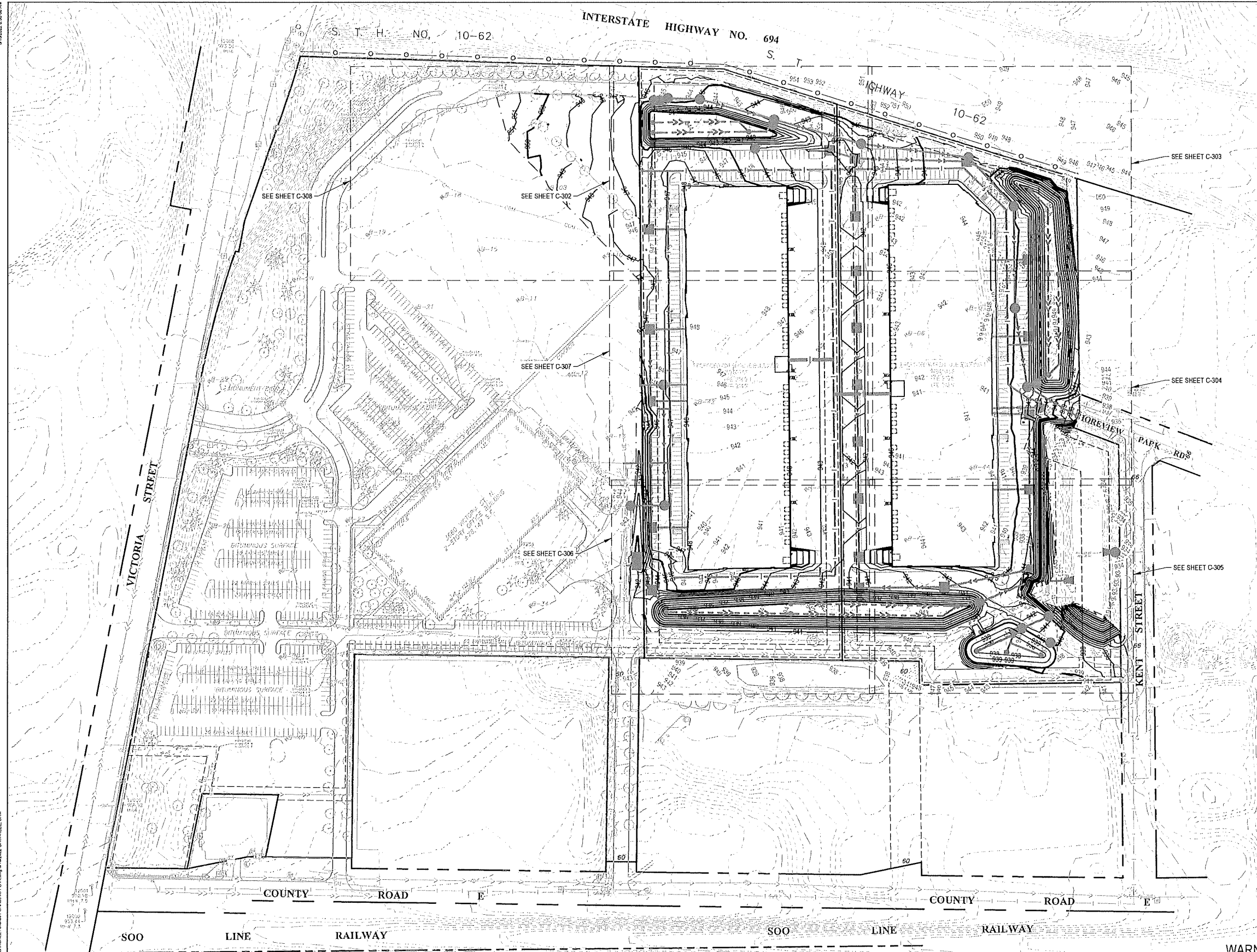
- ☒ Project Location Map
- ☒ Project Grading Plan

#22-23 Shoreview Deluxe Redevelopment Phase I



Special Provisions

1. The applicant shall add notes to the plans:
 - A. Describe best practices for construction of filtration basins.
 - B. "Notify Nicole Soderholm, Ramsey-Washington Metro Watershed District, at 651-792-7976 prior to beginning construction activity in order to schedule an initial erosion control inspection."
 - C. "Notify Nicole Soderholm, Ramsey-Washington Metro Watershed District, at 651-792-7976 at least 48 hours prior to beginning construction of the filtration basins."
 - D. "The specified erosion and sediment control practices are the minimum. Additional practices may be required during the course of construction."
2. The applicant shall submit the final, signed plans set.
3. The applicant shall submit a copy of the approved Minnesota Pollution Control Agency's NPDES Construction Permit coverage for the project.
4. The applicant shall submit an executed stormwater maintenance agreement for the proposed filtration basins.
5. The applicant shall submit contact information for the trained erosion control coordinator responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP).



WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

CALL BEFORE YOU DIG

GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166



500 OLSON MEMORIAL HWY
SUITE 300
GOLDEN VALLEY, MN 55427
PHONE: 763-252-6800
FAX: 952-831-1268

CLIENT:



SCANNELL
PROPERTIES

SHOREVIEW DELUXE IMPROVEMENTS

CITY OF SHOREVIEW RAMSEY COUNTY, MINNESOTA

[illegible]

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

PATRICK W. SYEUM

LICENCE NO.: 54244

DATE: 06/13/2022

PROJECT NO.: 227704677

DWN BY:	CHK'D BY:	APP'D BY:
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SAG	JTF	FWS
ISSUE DATE: 06/13/2022		

ISSUE NO.: 1

SHEET TITLE:

OVERALL GRADING PLAN

SHEET NO.:

C-301

Consent Agenda Action Item

Board Meeting Date: August 3, 2022

Agenda Item No: 3D

Preparer: Tina Carstens, Administrator

Item Description: Change Order No. 2 for the 2022 Targeted Retrofit Projects

Background:

Attached is change order number 2 for the St. Pascal Baylon Catholic Church portion of the 2022 Targeted Retrofit Projects. The change order has two components as shown in the attachment. The changes do not affect the contract time and at this time increases the total contract price by \$29,500. As noted in the attached change order, there are anticipated deductions in contract price in the range of \$10,000-\$15,000 that won't be realized until the work is done in the field and will be included in a future change order request.

Applicable District Goal and Action Item:

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

Action Item: Implement retrofit water quality improvement projects.

Staff Recommendation:

Approve Change Order No. 2.

Financial Implications:

This change order decreases the total contract price by \$29,500.

Board Action Requested:

Approve Change Order No. 2.

**Change Order No. 2 – St. Pascal Baylon Catholic Church
Ramsey-Washington Metro Watershed District
2022 School and Faith-Based Retrofit Sites**

DATE OF ISSUANCE: August 3, 2022

Owner: Ramsey-Washington Metro Watershed District
2665 Noel Drive
Little Canada, MN 55117
Attn: Lawrence Swope

Contractor: Shoreline Landscaping
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, Senior Landscape Architect

All items within this change order apply to the St Pascal Baylon Catholic Church site.

C.O.2.A Issued for Construction Drawings

Description of Change:

The entire set of construction drawings were re-issued as “Issued for Construction”. The Issued for Construction drawings included City of St. Paul plan review approval, dated 7/25/2022.

C.O.2.B City-Approved Plumbing Subcontractor

Description of Change:

After the project went out to bid, it was determined that the St. Pascal Baylon Catholic Church site needed to be submitted to the City of St. Paul plan review process for approval because of the proposed connection to the St Paul stormsewer system. Some redesign was required, which included connecting to a manhole in the city street rather than the catch basin nearest to the site. In addition, the City of St. Paul requires that the Contractor hire a plumbing subcontractor from an approved list for all work within the City right-of-way, necessitating that Shoreline Landscaping (who is not on the approved list) hire an approved subcontractor for that portion of the work.

This subcontracted work includes furnishing all materials, labor, permitting, traffic control, and equipment necessary to install: pipe connections to City infrastructure, restoration of City street, curb and gutter, and sidewalk.

Because of this change, we expect changes in quantities from the original bid from Shoreline Landscaping for the portions that Shoreline will no longer be doing themselves. Those changes will be reflected in Change Order #3 as completed quantities for Shoreland Landscaping's work will be measured in the field. We estimate a deduction in price between \$10,000-\$15,000.

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

Bid Item	Description	Unit	Estimated Quantity	Unit Price	Estimated Cost
C.O.2.B	City-Approved Plumbing Subcontractor	LS	1	\$29,500.00	\$29,500.00

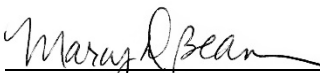
Change in Contract Time:

These changes do not affect the contract time.

Total Impact on Contract Price:

These changes increase the total contract price by \$29,500. As stated above, some of this increase will be offset by deductions to be detailed in Change Order 3, to be issued at a later date.

This Change Order No. 2 is:

Submitted By: (ENGINEER)	 _____ Marcy Bean, Senior Landscape Architect Barr Engineering Company	Date: <u>July 26, 2022</u>
Authorized By: (OWNER)	_____ Lawrence Swope, President Ramsey-Washington Metro Watershed District	Date: _____
Approved By: (CONTRACTOR)	_____ Stephan McLafferty Shoreline Landscaping	Date: _____

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Permit Program

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RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

MEMORANDUM

Date: August 3, 2022

To: Board of Managers and Staff

From: Nicole Soderholm, Permit Coordinator
Mary Fitzgerald, District Inspector

Subject: July Enforcement Action Report

During July 2022:

Number of Violations:	6
Install/Maintain Inlet Protection	2
Install/Maintain Perimeter Control	3
Install Stabilization	1

Activities and Coordination Meetings:

Permitting assistance to private developers and public entities, miscellaneous resident inquiries, ongoing ESC inspections/reporting, WCA administration, new permit review with Barr Engineering, permit closure/final walk-throughs, MN Water Workforce Pilot meeting, vegetation establishment inspections, Communications intern shadowing inspections, BWSR Minnesota Wetland Professional Certification Wetland Delineation and Regulation Course, inspections team meeting, closed permit routine BMP inspections, RWMWD office BMP tour with MnDOT intern, University of Minnesota Equitable Engagement presentation, First Aid/CPR/AED certification training

Project Updates:

20-05 Frost Lake Elementary Improvements (St. Paul)

Now that school is out for summer, demolition of the old school building is underway to wrap up a two-year school improvement project. Once demolition is complete, the area will be restored to a grassy field, with room for snow storage and an existing parking lot staying in place. Staff resumed routine inspections once informed the site would be active again (site has been inactive since last fall). Staff inspected the site on July 5th and observed a couple action items needed including inlet protection maintenance and perimeter control installation. Staff reinspected the site on July 19th and found all repair items complete with no new action items.

21-33 Owasso Warehouse (Little Canada)

Construction continues through the summer months at the Owasso Warehouse project located at Owasso Blvd E and Spruce St. Rigid inclusions work is complete, and vertical building construction is underway. Staff conducted a routine inspection on July 5th and discovered that biolog perimeter control had been buried by a temporary access route around the perimeter of the building. Staff notified contractors that perimeter control had to be reinstalled immediately. Contractors confirmed that this would be promptly repaired. Staff revisited the site on July 19th and found new perimeter control installed, and all other categories of the inspection to be compliant.

18-27 McKnight Road Development (North St. Paul)

Construction is complete at the multi-year housing development project in North St. Paul near McKnight Road and 3rd St N. Staff visited the site on July 19th to verify vegetation growth, inspect the stormwater infiltration and filtration basins, and various other permit closure items. Staff noted that more vegetation growth is needed to meet at least 70% uniform perennial vegetation cover to meet permit closure requirements. Staff also made note that there were excess biologs, silt fence and other temporary ESC products throughout the site that were no longer necessary. Staff sent site contacts a detailed permit close-out checklist of necessary items to complete prior to permit closure and escrow refund. Staff will revisit the site in a few weeks to check on vegetation establishment and other permit close-out items.

Single Lot Residential Permits Approved by Staff:

22-22 3216A W Owasso Blvd (Lake Owasso, Shoreview)

Permits Closed:

13-27 Maplewood Fire Station No 1 (Maplewood)
15-09 Cardinal Glen (North St. Paul)
18-13 Trails Edge Apartments (Maplewood)
19-41 Margaret Street Apartments (North St. Paul)
19-51 Margaret Street Downtown Improvements (North St. Paul)
20-21 Tartan High School Redevelopment Phase I (Oakdale)

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Stewardship Grant Program

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Stewardship Grant Program Budget Status Update

August 3, 2022

Homeowner	Coverage	Number of Projects: 15	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	10	\$35,125
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	4	\$48,125
Master Water Steward Project	100% Cost Share \$15,000 Max	0	\$0
Shoreland Restoration	100% Cost Share \$15,000 Max	1	\$15,000*

Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects: 11	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	3	\$25,500
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	1 (Lake Owasso)	\$160,000
Priority Area Projects	100% Cost Share \$100,000 Max	4	\$328,540
Non-Priority Area Projects	75% Cost Share \$50,000 Max	1	\$50,000
Public Art	50% Cost Share \$15,000 Max	0	\$0
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	2	\$12,430

Maintenance	50% Cost Share \$5,000 Max for 5 Years	68	\$50,275
Consultant Fees			\$26140
Total Allocated			\$751,135

2022 Stewardship Grant Program Budget	
Budget	\$1,000,000
Total Funds Allocated	\$751,135
Total Available Funds	\$248,865

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Board Topics

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From: [JOHN CHIKKALA](#)
To: [Tina Carstens](#)
Subject: Exceptional LEAP Bus Tour
Date: Wednesday, July 27, 2022 4:21:51 PM

Caution: This email originated outside our organization; please use caution.

Dear Ms. Carstens: Good afternoon. I went on the Exceptional LEAP Bus Tour (LEAP Tour) yesterday evening. This was my first time attending the LEAP Tour. I am very impressed with the effort put in by your staff, LEAP Team, and volunteers to make the Tour an educational, informative, and inspirational time. I wanted to pass on “Kudos” for a job well done, and my personal thanks to two of your staff, Simba Blood, and Sage Passi. It was a great time of interacting with the Master Naturalists, Master Gardeners, and Water Stewards, presenting a ton of learning opportunities.

Here are my observations:

1. A private residence by a lake, and next to the land owned by the City of Little Canada

Countless hours spent in planting native species to protect the lake shore, and also City owned land to make it a natural habitat, and for pollinators

Folks stated how grateful they are to receive ongoing support and grants offered from RWMWD.

I believe this is a clear demonstration of the public-private partnership in protecting, and enhancing the environmental quality in the area.

2. Island Lake Elementary School Project, Shoreview

It was a perfect location next to the playground, with in sight from the classrooms. The garden’s presence reminded me of a phrase, “a city on a hill cannot be hid”. The presentation by volunteers of Wild Ones, and Big River Big Woods was very detailed, and thorough.

Again, the volunteers mentioned about their gratefulness for RWMWD assistance, and expertise shared from Simba, and Sage.

In my opinion this project/garden is a clear demonstration of transformation to make an eagle scout project into a raingarden, and a pollinator habitat. These volunteers are very passionate, and outcome driven. I commend RWMWD staff for the partnerships with the school, and volunteers from these organizations for an exceptional LEAP Award Winner.

3. The White Bear Lake site behind Cub Store, and next to Sam’s Club

It was interesting to hear about how this project evolved, designed, maintained, and ongoing struggles to keep the native vegetation be natural and not mowed. The White Bear Lake staff appreciated receiving grants for this project, and the regular inspections by the RWMWD staff.

This project is a win-win solution for managing the stormwater from the large parking lots; a

true partnership between the businesses, the City, and the Watershed.

And lastly, thank you RWMWD for the easy registration for the Tour, arranging with property owners or the responsible individuals or gardeners, and the City staff. Thank you for the bus transportation, the supper meal, and the beverages. It was like an “all inclusive” Tour. Many thanks to Sage Passi for coordinating this fantastic event.

Keep up the great work of serving the Ramsey and Washington Counties!

Sincerely,

John Chikkala

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New Reports/ Presentations

* * * * *

Memorandum

To: Ramsey-Washington Metro Watershed District (RWMWD) Board of Managers
From: Erin Anderson Wenz, Gabrielle Campagnola, and Greg Williams, Barr Engineering Co.
Tina Carstens, RWMWD Administrator
Subject: Summary of Twin Cities Metro Area Watershed Management Organization Wetland Management Roles
Date: July 22, 2022
Project: 23621006.00-220-009

1 Background

The Ramsey-Washington Metro Watershed District (RWMWD) Board of Managers seeks to better understand the RWMWD's current management roles with respect to wetlands and determine if revisions to its management roles are appropriate. At the June 1, 2022, RWMWD meeting, the Board of Managers reviewed a summary of its own organizations' rules, policies, and activities related to wetland management. As a next step, this memorandum summarizes the rules, policies, and management activities of other Twin Cities Metro Area (TCMA) watershed management organizations (WMOs) (note: the term WMO is used herein to include joint powers organizations and watershed districts).

2 Watershed Roles of Other WMOs

Wetland management is not an explicit responsibility of WMOs per the purposes defined in Minnesota Statutes 103B.201. The purposes of watershed districts as defined in Minnesota Statutes 103B.201 mention wetlands only in relation to regulating land use:

*(11) to regulate improvements by riparian property owners of the beds, banks, and shores of lakes, streams, and **wetlands** for preservation and beneficial public use;*

As part of this task, Barr Engineering Co. (Barr) staff reviewed the wetland management roles of the following WMOs:

- Bassett Creek Watershed Management Commission (BCWMC)
- Capitol Region Watershed District (CRWD)
- Lower Mississippi River Watershed Management Organization (LMRWMO)
- Minnehaha Creek Watershed District (MCWD)
- Nine Mile Creek Watershed District (NMCWD)
- South Washington Watershed District (SWWD)
- Valley Branch Watershed District (VBWD)

Wetland management roles of the above organizations are summarized in a checklist format, along with the RWMWD, in Table 1.

Table 1 Checklist of WMO Wetland Management Roles

Wetland Management Role	RWMWD	BCWMC	CRWD	LMRWM	MCWD	NMCWD	SWWD	VBWD
Administer WCA	X	X	X		X	X	X	X
Adopt Wetland Rules	X		X		X	X	X	X
Enforce/Require Buffer Standards	X	X	X	X	X	X	X	X
Enforce/Require Hydrologic Standards ¹		X ²					X	X
Perform Studies/ Inventories	X		X		X	X	X	X
Perform Capital Projects			X		X			
Manage PWI "W" waters	X ³			X		X		X

(1) Standard linked to wetland hydrology designed to protect wetlands from development activity.

(2) BCWMC requires cities to enforce hydrologic standards for select wetland classifications only

(3) The Plan notes that the RWMWD manages "W" designated waterbodies differently than "P" designated waterbodies

More detailed wetland management information for the above-listed WMOs and the RWMWD is presented in Table 2 located at the end of this memorandum and includes a summary of:

- Wetland management rules (including policies if stated in rules document)
- Wetland management policies (as included in Watershed Management Plans)
- Wetland management activities (as defined in Watershed Management Plans and CIPs)
- Wetland classification systems relevant to management activities

2.1 Wetland Management Rules

Most of the WMOs included in this analysis have adopted rules to regulate wetland management. In the case of the BCWMC and LMRWMO, the WMO has adopted wetland management performance standards via policy. In some cases (e.g., RWMWD, VBWD) the WMO enforces wetland rules through its own project review and permitting program. In other cases (e.g., SWWD, LMRWMO), member cities review projects and apply the WMOs' requirements.

Wetland management rules considered in this review universally address two issues:

1. Wetland Conservation Act (WCA) – Compliance with WCA generally requires no loss of wetland area or function without mitigation and/or replacement
2. Buffers – areas of perennial vegetation are required extending from wetlands to a defined width (with greater buffer widths often required for higher quality wetlands).

Additionally, VBWD and SWWD have adopted performance standards applicable to development and redevelopment projects (that trigger WMO rules) that are intended to limit adverse impacts to wetland hydrology. These performance standards establish allowable limits for wetland bounce, inundation period, changes in runoff volume (VBWD only), and changes to runout control elevation relative to existing conditions depending on wetland classification. The VBWD and SWWD wetland hydrology performance standards are applicable to both landlocked and free-flowing wetlands. The BCWMC requires member cities to enforce criteria related to wetland bounce, inundation, and runoff control for high quality wetlands (MnRAM "Preserve" or "Manage 1" classifications) but leaves the numeric criteria to the discretion of the cities.

2.2 Wetland Management Policies

Wetland management policies of WMOs generally include performance standards related to wetland management that are mirrored in watershed district rules or must be enforced by WMO member cities. WMO wetland policies typically:

- Clarify the WMO and member cities roles' with respect to WCA administration
- Establish buffer requirements
- Require stormwater treatment prior to discharge to limit water quality and/or hydrologic impacts
- Commit the WMO (or required cities) to establish or maintain wetland inventories
- Define wetland classification systems based on functions and values assessments (typically the Minnesota Routine Assessment Method (MnRAM) or similar)

Additionally, some WMO policies define the types of projects WMOs will pursue to manage wetlands, including:

- Identification of priority areas for wetland protection or restoration
- Working with cities to develop land use controls that promote wetland protection
- Implementation of wetland restoration projects led by the WMO and/or cities

2.3 Wetland Management Actions

The implementation programs of the WMOs evaluated in this memorandum include a range of wetland management actions, including:

- Administering the WCA (or assisting in administering WCA)
- Monitoring wetland quality

- Wetland inventory, assessment, and prioritization for management activities
- Capital projects for wetland restoration or improvement

2.3.1 Wetland Capital Projects

Some WMO implementation programs include non-specific wetland improvement project opportunities (e.g., NMCWD) while others identify projects for specific high-priority wetlands (e.g., MCWD and CRWD).

Projects included in the MCWD Watershed Management Plan capital improvement program generally titled as “wetland restoration” include the following within the project descriptions: hydrologic modification, changes to storage capacity, vegetation restoration, and construction of filtration systems. MCWD wetland restoration projects are primarily drive by downstream water quality concerns (i.e., nutrient impairments). The MCWD Plan notes that “wetland restoration must focus on modifying hydrology to support the native plant community while minimizing phosphorus export.”

Wetland-related capital projects included in the CRWD Watershed Management Plan include activities intended to improve the quality and quantity of wildlife habitat, provide water quality benefits, and reduce local flood risk (e.g., Sanita wetland restoration). The CRWD Wetland Management Strategy (appended to the Watershed Management Plan) describes methodologies for identifying sites for both wetland enhancement (i.e., improving wetland functions and values) and wetland reestablishment.

2.4 Wetland Classification Systems, Priority, and Public Water Status

Many of the wetland policies, performance standards, and implementation activities of the WMOs presented in Table 2 depend upon the wetland classification. All of the WMOs considered use the Minnesota Rapid Assessment Method (MnRAM) for wetland classification; MnRAM evaluates multiple wetland functions and values. The NMCWD classifies wetlands as high, medium, or low priority based in individual functions and values versus an overall MnRAM score.

Some WMOs reference wetlands prioritized for restoration activities. WMO watershed management plans link wetland priority to MnRAM classification, ecological health, or potential to impact downstream water quality.

Some wetlands are included in the Minnesota Department of Natural Resources’ (MDNR’s) public waters inventory (PWI) as PWI wetlands (as identified by a “W” in the MDNR public waters number). Some of these PWI wetlands are among the WMO-managed waterbodies defined in WMO watershed management plans. In many cases these PWI wetlands are characteristically similar to lakes.

3 Summary

Table 2 provides a detailed summary of the wetland rules, policies, and implementation activities of the RWMWD and several other WMOs. This information has been further summarized in the wetland management checklist included as Table 1. All of the WMOs considered in this evaluation implement

To: Ramsey-Washington Metro Watershed District (RWMWD) Board of Managers
From: Erin Anderson Wenz, Gabrielle Campagnola, and Greg Williams, Barr Engineering Co.
Tina Carstens, RWMWD Administrator
Subject: Summary of Twin Cities Metro Area Watershed Management Organization Wetland Management Roles
Date: July 22, 2022
Page: 5

buffer performance standards via rule or policy. Some WMOs have adopted standards to preserve wetland hydrologic characteristics during development or redevelopment projects. Most WMOs administer WCA for one or more of the cities within their jurisdiction, and most perform inventories or studies to identify wetland management opportunities (e.g., restoration projects). CRWD and MCWD have included specific wetland capital projects in their implementation programs (see Section 2.3.1) although several WMOs have language in their implementation programs that suggest the WMO could lead or partner on such projects.

Table 2. Matrix Summary of WMO Wetland Management Roles

	Ramsey Washington Metro Watershed District	Bassett Creek Watershed Management Commission	Capital Region Watershed District	Lower Mississippi River Watershed Management Organization
Rules Summary	<p>POLICY. It is the policy of the Board of Managers to:</p> <p>(a) Manage wetlands to achieve no-net loss in the quantity, quality, and biological diversity of wetlands in the District.</p> <p>(b) Increase the quantity, quality, and biological diversity of wetlands in the District by restoring or enhancing diminished or drained wetlands.</p> <p>(c) Avoid impacts from activities that destroy or diminish the quantity, quality, and biological diversity of District wetlands.</p> <p>(d) Replace affected wetlands where avoidance is not feasible and prudent.</p> <p>(e) Encourage natural vegetation around wetlands to maintain the water quality and ecological functions that wetlands provide.</p>	<p>Cities must ensure that WCA is being met if they are the LGU. IF f BCWMC is LGU, will enforce WCA</p> <p>Has the following buffer width requirements:</p> <ul style="list-style-type: none">- An average of 75 feet and a minimum of 50 feet from the edge of wetlands classified as Preserve.- An average of 50 feet and a minimum of 30 feet from the edge of wetlands classified as Manage 1.- An average of 25 feet and a minimum of 15 feet from the edge of wetlands classified as Manage 2 or Manage 3 (Policy 68). <p>Also has specific design and maintenance requirements.</p>	<ul style="list-style-type: none">- Wetlands shall not be drained, filled wholly or in part, excavated, or have sustaining hydrology impacted such that there will be a decrease in the inherent (existing) functions and values of the wetland. Wetland impacts shall be evaluated based on the following principles in descending order of priority: avoid the impact to the wetland, minimize the impact to the wetland, replace the wetland that was impacted. Projects that propose wetland impacts shall follow the requirements provided in the Minnesota Wetland Conservation Act and associated rules with the following amendments:<ol style="list-style-type: none">1. The de minimis size will be zero.2. Sequencing Flexibility will not be allowed.3. Permanently impacted wetlands shall be replaced through creation of new wetland, restoration of drained wetlands, or expansion of existing wetlands of the same type (Circular 39) at a minimum 2:1 ratio.4. All WCA non-temporary impact exemptions to wetlands will not be allowed.5. All wetland replacements shall be within the District’s boundaries.- A minimum buffer of 25 feet of permanent District approved un-manicured vegetative ground cover abutting and surrounding a wetland is required.	<p>The LMRWMO has not adopted rules. Wetland management performance standards are enacted via policy.</p> <p>Wetland regulations and WCA are administered by member cities.</p>
Policies	<ul style="list-style-type: none">- See policies included in Rule E <p>The RWMWD Plan does not explicitly include policy. Applicable wetland goals/signs of success from the Strategic Overview include:</p> <ul style="list-style-type: none">- The quantity of ecologically diverse aquatic, wetland, and associated upland habitats is increased.- Wetlands are preserved and protected, as measured by their net area (no net loss) and the continued viability of their functions and value. <p>Applicable "Action Items" include item EC-1: "continue to implement the District wetland permit program".</p>	<ul style="list-style-type: none">- The BCWMC requires member cities to inventory, classify and determine the functions and values of wetlands, either through a comprehensive wetland management plan or as required by the Wetland Conservation Act (WCA).- The BCWMC requires member cities to develop and implement wetland protection ordinances that consider the results of wetland functions and values assessments, and are based on comprehensive wetland management plans, if available. For wetlands classified as Preserve or Manage 1 (or comparable classification if BWSR’s Minnesota Rapid Assessment Method (MnRAM) is not used), member cities are encouraged to implement standards for bounce, inundation, and runout control that are similar to MnRAM; member cities are encouraged to apply standards for other wetland classifications.- The BCWMC will defer wetland issues in cases where the municipality acts as the local government unit (LGU) for administering the Wetland Conservation Act, unless BCWMC involvement is requested by the municipality.- The BCWMC does not specifically review buffers for proposed projects, but requires that member cities maintain and enforce wetland and streambank buffer requirements at least as stringent as the BCWMC requirements laid out in Appendix B of Requirements Document- The BCWMC prefers any wetland mitigation to be performed within the same subwatershed as the impacted wetland.	<ul style="list-style-type: none">- Manage wetlands to achieve no-net loss of acreage and values and where possible, strive to enhance the functions and values of existing wetlands within the District- Identify wetland restoration and creation sites to enhance water quality and/or restore natural habitats; and CRWD RULES 06/05/2019 26- Interact with cities in the administration of the Wetland Conservation Act if desired by the cities.	<ul style="list-style-type: none">- Member cities shall continue to serve as local governmental units (LGUs) responsible for administering the Wetland Conservation Act (WCA). MnDOT is the LGU for the WCA on its rights-of-way.- Member cities shall maintain and enforce wetland buffer requirements for development and redevelopment projects disturbing one acre or more. Vegetated wetland buffer distances shall be based on wetland classification (MnRAM or similar methodology) and shall be an average of at least 15 feet.- Member cities shall maintain and enforce stream and lake buffer requirements for development and redevelopment projects disturbing one acre or more. Vegetated buffers adjacent to streams and lakes shall be an average of at least 15 feet and conform to applicable MDNR shoreland rules.- Member cities shall inventory, classify, and determine the functions and values of wetlands, either through a comprehensive wetland management plan or through the review of development and redevelopment projects that disturb one acre or more. Member cities developing or updating their comprehensive wetland management plans shall submit these plans to the WMO for review and comment.
Implementation Items (wetland monitoring, restoration, etc.)	<ul style="list-style-type: none">- Administer WCA- Performed District-wide inventory <p>Plan Projects related to wetlands (including PWI "W" basins):</p> <ul style="list-style-type: none">- KC-3: Manage macrophytes in Casey Lake Wetland- BeL-6/LO-6: Evaluate the carp population in the Lake Owasso-Central Park Wetlands-Bennett Lake chain- BeL-7/LO-7: Manage the carp population in the Lake Owasso-Central Park Wetlands-Bennett Lake chain	<ul style="list-style-type: none">- The BCWMC requires that member cities annually inspect wetlands classified as Preserve (or comparable classification if BWSR's MnRAM is not used) for terrestrial and emergent aquatic invasive vegetation, such as buckthorn and purple loosestrife, and attempt to control or treat invasive species, where feasible.- The BCWMC encourages member cities to pursue wetland restoration projects, as opportunities allow.- The BCWMC encourages member cities to participate in wetland monitoring programs (e.g., Wetland Health Evaluation Program).	<ul style="list-style-type: none">- Has a wetland monitoring program which follows the protocols as outlined in the Minnesota Pollution Control Agency’s Biological Monitoring Program for “Macroinvertebrate Community Sampling Protocol for Depressional Wetland Monitoring Sites” and “Aquatic Plant Community Sampling Procedures for Depressional Wetland Monitoring Sites.”- Wetland reestablishment program. Identified wetlands that could be reestablished and prioritized them. In addition set aside funding for this program to do the reestablishment	<p>Will support member cities in their efforts to protect, manage and restore wetlands where appropriate</p>
Wetland Classification	<p>District classification system of Manage A, B, C is based on MnRAM.</p> <p>Some "W" public waters are among District-managed waterbodies (e.g., Casey Lake, Lake Owasso, Pig's Eye Lake)</p>	<p>The BCWMC recommends that cities use the Minnesota Rapid Assessment Method (MnRAM) (or similar) wetland assessment method and wetland management classification system. Member cities are encouraged to use such a method for all wetland assessment and classification, but are not required to perform reassessments for wetlands already assessed. Does not manage public water wetlands, has note in WMP</p>	<p>Use MnRAM. Does have multiple public waters which are classified as a wetland, but appears to not manage as waterbody</p>	<p>Use MnRAM. Has multiple public waters that are wetlands that are managed.</p>
Reference Links	<ul style="list-style-type: none">- https://rwmwd.org/wp-content/uploads/2022/06/District-Rule_Adopted-6-5-19.pdf- https://rwmwd.org/wp-content/uploads/2022/06/RWMWD-Management-Plan.pdf	<ul style="list-style-type: none">- https://www.bassettcreekwmo.org/application/files/9216/1409/7544/Feb_2021_BCWMC_Requirements_Document_Revised.pdf- https://www.bassettcreekwmo.org/application/files/3015/9831/7115/BCWMC_Section_4_w_Wetland_Policy_Updates.pdf	<ul style="list-style-type: none">- https://www.capitolregionwd.org/wp-content/uploads/2021/05/CRWD_WatershedManagementPlan_2021_Main-Body2.pdf- https://www.capitolregionwd.org/wp-content/uploads/2021/05/CRWD_WatershedManagementPlan_2021-Appendices.pdf	<ul style="list-style-type: none">- Draft 2023 Plan currently in development

Table 2. Matrix Summary of WMO Wetland Management Roles (Page 2)

	Minnehaha Creek Watershed District	Nine Mile Creek Watershed District	South Washington Watershed District	Valley Branch Watershed District																																																																																				
Rules Summary	<p>Policy from Rules:</p> <p>(a) Achieve no net loss in the quantity, quality and biological diversity of Minnesota's existing wetlands;</p> <p>(b) Increase the quantity, quality and biological diversity of Minnesota's wetlands by restoring or enhancing diminished or drained wetlands;</p> <p>(c) Avoid direct or indirect impacts from activities that destroy or diminish the quantity, quality and biological diversity of wetlands;</p> <p>(d) Minimize direct or indirect impacts from activities that destroy or diminish the quantity, quality and biological diversity of wetlands;</p> <p>(e) Rectify the impact of any such activity by repairing, rehabilitating, or restoring the affected wetland environment;</p> <p>(f) Reduce or eliminate the impact of such activity over time by preservation and maintenance operation during the life of the activity;</p> <p>(g) Compensate for the impact on the wetlands by restoring a wetland;</p> <p>(h) Compensate for the impact on the wetlands by replacing or providing substitute wetland resources or environments; and</p> <p>(i) Promote competent administration of the Wetland Conservation Act (WCA) within the watershed.</p> <p>- WCA (where District is LGU)</p> <p>- Buffer requirements based on District wetland class:</p> <ul style="list-style-type: none">- 75 feet (average) for "protect" wetlands- 40 feet (average) for "Manage 1" wetlands- 30 feet (average) for "Manage 2" wetlands- 20 feet (average) for "Manage 3" wetlands <p>- some modifications to buffer rule based on slope, soil class, site constraints</p> <p>- lower standards for linear projects and primary residential structures</p>	<p>3.1 Policy: It is the policy of the Board of Managers to ensure the preservation of the natural resources, habitat, water treatment and water storage functions of wetlands. This rule is intended to:</p> <p>3.1.1 Achieve no net loss in the extent, quality and ecological diversity of existing wetlands.</p> <p>3.1.2 Preserve and increase native-vegetation buffers around wetlands in the Nine Mile Creek watershed.</p> <p>3.1.3 Prevent direct and indirect impacts to wetlands and require replacement of wetlands affected by land-altering activities regulated by the District.</p> <p>3.1.4 Maintain wetland integrity and prevent fragmentation of wetlands.</p> <p>- WCA (where District is LGU)</p> <p>- Buffer requirements:</p> <ul style="list-style-type: none">- 60 feet (average) for "high value" wetlands- 40 feet (average) for "medium value" wetlands- 20 feet (average) for "low value" wetlands <p>- may be more for areas of steep slope (12%+)</p> - 20 feet (average) for single-family residential <p>3.5.1 Stormwater must be treated before discharge to a wetland. A High-value wetlands cannot be used for stormwater management unless no other alternative is feasible. When permitted, discharge to a high value wetland must be treated to 60% annual TP removal and at least 90% annual TSS removal prior to discharge to the wetland.</p>	<p>Standard WCA rules plus figure below:</p> <table><caption>Table 5.3: Protection standards for wetland management classes</caption><tr><th>Criteria</th><th>Protect</th><th>Manage 1</th><th>Manage 2</th></tr><tr><td colspan="4">Water Quality</td></tr><tr><td>Phosphorus Inflow Load (average annual pounds)</td><td>Maintain predevelopment</td><td>60% post-development load reduction</td><td>60% post-development load reduction</td></tr><tr><td colspan="4">Water Quantity</td></tr><tr><td>Storm bounce</td><td>Existing</td><td>Existing plus 1.0 foot</td><td>No limit</td></tr><tr><td>10-year rainfall</td><td>Existing</td><td>Existing or less</td><td>Existing or less</td></tr><tr><td>Discharge rate (inflow)</td><td>Existing</td><td>Existing or less</td><td>Existing or less</td></tr><tr><td>2-year & 100-year rainfall</td><td>Existing</td><td>Existing plus 2 days</td><td>Existing plus 7 days</td></tr><tr><td>Inundation period 1-year rainfall</td><td>Existing</td><td>Existing plus 14 days</td><td>Existing plus 14 days</td></tr><tr><td>Inundation period 2-year rainfall</td><td>Existing</td><td>Existing plus 14 days</td><td>Existing plus 14 days</td></tr><tr><td>Run-out control elevation (free flowing)</td><td>No change</td><td>0 to 1.0 feet above existing run out</td><td>0 to 4.0 feet above existing run out</td></tr><tr><td>Run-out control elevation (landlocked)</td><td>Based on SWWD Floodplain Map</td><td>Based on SWWD Floodplain Map</td><td>Based on SWWD Floodplain Map</td></tr><tr><td colspan="4">Buffer Width</td></tr><tr><td>Wetlands < 1 acre</td><td>75 feet</td><td>50 feet</td><td>25 feet</td></tr><tr><td>Wetlands > 1 acre</td><td>100 feet</td><td>75 feet</td><td>50 feet</td></tr><tr><td colspan="4">Impact Mitigation</td></tr><tr><td>Area replacement ratio</td><td>3:1</td><td>2:1</td><td>2:1</td></tr><tr><td>Volume replacement ratio</td><td>2:1</td><td>2:1</td><td>2:1</td></tr></table> <p>1) Proposed developments that may affect a wetland area must maintain the annual average predevelopment infiltration capacity of the site. Predevelopment infiltration capacity will be evaluated over the entire site and expressed as total annual runoff volume resulting from typical climatic conditions. Maximum phosphorus runoff concentrations for predevelopment conditions cannot exceed 0.320 mg/L.</p> <p>2) Rainfall events are 24-hour duration, following Rule 7.3.1.</p>	Criteria	Protect	Manage 1	Manage 2	Water Quality				Phosphorus Inflow Load (average annual pounds)	Maintain predevelopment	60% post-development load reduction	60% post-development load reduction	Water Quantity				Storm bounce	Existing	Existing plus 1.0 foot	No limit	10-year rainfall	Existing	Existing or less	Existing or less	Discharge rate (inflow)	Existing	Existing or less	Existing or less	2-year & 100-year rainfall	Existing	Existing plus 2 days	Existing plus 7 days	Inundation period 1-year rainfall	Existing	Existing plus 14 days	Existing plus 14 days	Inundation period 2-year rainfall	Existing	Existing plus 14 days	Existing plus 14 days	Run-out control elevation (free flowing)	No change	0 to 1.0 feet above existing run out	0 to 4.0 feet above existing run out	Run-out control elevation (landlocked)	Based on SWWD Floodplain Map	Based on SWWD Floodplain Map	Based on SWWD Floodplain Map	Buffer Width				Wetlands < 1 acre	75 feet	50 feet	25 feet	Wetlands > 1 acre	100 feet	75 feet	50 feet	Impact Mitigation				Area replacement ratio	3:1	2:1	2:1	Volume replacement ratio	2:1	2:1	2:1	<p>- Administer WCA</p> <p>- Any wetland alteration shall not reduce the existing storage volume in the immediate watershed.</p> <p>- The VBWD may permit the excavation of some wetlands consistent with WCA (see complete rules for details).</p> <p>- Buffer standards and standards for bounce, inundation, runoff volume, and runoff control as follows:</p> <table><tr><th>Management Class</th><th>Average Buffer^{2,3,4}</th><th>Hydrologic Guidelines</th></tr><tr><td>A-Preserve</td><td>100 feet</td><td><i>Bounce (10-year, 24-hour):</i> Existing <i>Inundation (1- & 2-year, 24-hour):</i> Existing <i>Inundation (10-year, 24-hour):</i> Existing <i>Runout Control:</i> No Change Maintain existing hydrology. (The runoff volume flowing into the wetland from a 2-year 24-hour event cannot be changed by more than 10%.) Encourage infiltration and reduced impervious BMPs Conduct water budget analysis</td></tr><tr><td>B-Manage 1</td><td>75 feet</td><td><i>Bounce (10-year, 24-hour):</i> Existing + 0.5 feet <i>Inundation (1- & 2-year, 24-hour):</i> Existing plus 1 day <i>Inundation (10-year, 24-hour):</i> Existing + 7 days <i>Runout Control:</i> No Change Maintain existing hydrology. (The runoff volume flowing into the wetland from a 2-year 24-hour event cannot be changed by more than 10%.) 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Policies	<p>Goals/targets:</p> <p>- Maintain or increase existing acreage of wetlands in the watershed and achieve no net loss in their size, quality, type, and biological diversity</p>	<p>5.4 Obj 1, 1 - Manage wetlands through NMCWD administration of the Wetland Conservation Act (WCA) and the NMCWD rules.</p> <p>5.4 Obj 1, 2 - Work with other local governments to adopt land use and development ordinances or other regulatory controls to complement NMCWD's wetland protection rule and achieve no net loss of wetland acreage, function, and value.</p> <p>5.4 Obj 1, 3 - Achieve no net loss of wetland acreage, function, and values on District-sponsored projects.</p> <p>5.4 Obj 1, 4 - Promote wetland replacements within the same subwatershed whenever possible.</p> <p>5.4 Obj 1, 5 - Require avoidance of direct or indirect wetland disturbance for all developments and land disturbing activities.</p> <p>5.4 Obj 1, 6 - Prohibit use of high value wetlands for stormwater management where other alternatives exist.</p> <p>5.4, Obj. 2-1 - Protect and restore high-quality wetland areas, sensitive habitats, sensitive animal and plant species, and rare or endangered species.</p>	<ul style="list-style-type: none">• Use a functional assessment approach to define a wetlands best value for multiple or singular use• Maximize the preservation of wetlands providing critical flood control function• Preserve high priority wetlands• Participate in wetland permitting activities within the District, in support of the responsible LGU <p>Applicable policies from 2002 Wetland Management Plan:</p> <p>1B. Protect wetlands, lakes, streams, and their adjacent uplands.</p> <p>1D. Identify and provide a high level of protection for wetlands and other landscape features that serve as important groundwater recharge areas.</p> <p>1E. Identify and provide detailed standards to preserve the functional values of wetlands in the watershed including identifying restoration and high priority wetland areas.</p>	<p>- To protect the quantity, quality, and biological diversity of the wetlands within the VBWD, all projects below the 100-year flood level of a wetland will be regulated by the VBWD Managers.</p> <p>- The VBWD has adopted the Minnesota Wetland Conservation Act of 1991, (Minnesota Laws 1991 Chapter 354, codified as Minnesota Statute Sections 84 and 103, as amended), and the accompanying rules of the BWSR (Minnesota Rules Chapter 8420, as amended), herein referred to as the WCA and the WCA Rules, respectively.</p> <p>- The VBWD will continue as the Local Government Unit (LGU) administering the WCA throughout the VBWD, as long as the cities and townships in VBWD continue to designate the VBWD as the LGU. The LGU responsible for administering the WCA on state land is the agency with responsibility for the land. For all projects requiring a VBWD permit, the VBWD will continue to administer the wetlands management provisions of its rules and regulations, regardless of LGU status for the WCA. In addition, in the event that the WCA should ever be repealed, the VBWD will incorporate the WCA requirements into the VBWD rules and regulations</p> <p>- The VBWD will continue to accept the DNR's waived permit jurisdiction for Public Waters Work Permit program projects on a case-by-case basis. In these cases, a DNR representative will be included on the Technical Evaluation Panel (TEP)</p> <p>- Upland vegetative buffers will be required adjacent to lakes, streams, and wetlands because they reduce the amount of phosphorus from runoff, prevent shoreline erosion, discourage waterfowl nesting/feeding, and provide additional wildlife habitat.</p>																																																																																				
Implementation Items (wetland monitoring, restoration, etc.)	<p>Land Management and Restoration (general activity types):</p> <p>- 2. Excavating to enlarge wetland or improve wetland functions and values.</p> <p>Table 3.17 (CIP) includes four specific wetland restoration projects:</p> <ul style="list-style-type: none">- Painter Creek wetland restoration (\$330,000)- Six-Mile Creek Halstad Bay Turbid-Lundsten Wetland Restoration (\$3.1M)- Six-Mile Creek Halstad Bay West Auburn wetland restoration (\$990,000)- Six-Mile Creek Halstad Bay wetland restoration (\$3M)	<p>OA-1 (high priority) - Establish an incentive program for implementation of wetland buffer areas on private properties.</p> <p>RP-4 (high priority) - Administer WCA requirements as the responsible Local Government Unit (LGU) for the cities of Eden Prairie, Edina, Hopkins, and Richfield (technically assist others).</p> <p>S-26 (high priority) - Prepare a District wetland inventory that identifies high-value wetlands within the watershed, rare and high-quality wetland biological communities, and identifies opportunities for restoration and/or protection.</p> <p>S-27 (high priority) - Develop restoration and/or protection plans to address high-quality wetlands areas, sensitive habitats and plant species, and rare, endangered, and threatened plants and animals within watershed.</p> <p>P-6 (high priority) - Establish a wetland bank within the District for District-sponsored projects.</p> <p>No capital improvements for wetlands are specifically identified in Plan.</p>	<p>Wetland restoration/enhancement sites were identified during the field inventory. Typically, wetlands that were identified for restoration/enhancement had either a hydrologic impact that could easily be rectified or a plant community that was of exceptional to high quality. The areas with exceptional to high quality native plant populations could, with some minor management, have their ecological integrity enhanced and exotic species minimized. Wetlands that have hydrologic restoration proposed would likely qualify as wetland banking sites if restored. Also identified potential funding sources for wetland restoration work</p>	<p>The VBWD will complete and/or update wetland inventories and assessments in targeted areas of VBWD as necessary, or at the request of the cities and townships.</p>																																																																																				
Wetland Classification	<p>Use District Functional Assessment of Wetlands (FAW) or MnRAM.</p> <p>District managed lakes appear to be limited to PWI lakes.</p>	<p>Wetlands classified as "high value", "medium value" or "low value" based on meeting one or more specific functions/values rating based on MnRAM (see table below).</p> <p>Figure 2-4 of Plan identifies MDNR Public Waters Wetlands and Public Waters Lakes.</p> <p>District-managed lakes are limited to "P" designations with the exception of Smetana Lake.</p>	<p>Uses MnRAM. Does not mention public waters that are wetlands in any of the below documents.</p>	<p>Use MnRAM. Does have multiple public wetlands which are managed (some have different manage levels, range low to high)</p>																																																																																				
Reference Links	<p>- https://www.minnehahacreek.org/sites/minnehahacreek.org/files/attachments/8.%20Rule%20-%20wetland.pdf</p> <p>- https://www.minnehahacreek.org/sites/minnehahacreek.org/files/CompPlan/MCWDCompPlan/3%20-%20MCWD%20Watershed%20Management%20Plan%201-11-17.pdf</p>	<p>- https://www.ninemilecreek.org/wp-content/uploads/NMCWD-Rules-Adopted-072121.pdf</p> <p>- https://www.ninemilecreek.org/wp-content/uploads/2017_Oct_Final_9-Mile_WMP_Amended_April_2019.pdf</p>	<ul style="list-style-type: none">• https://www.swwdmn.org/wp-content/uploads/2016/03/DRAFT_Wetland_Mgmt_Plan_2002_SWWDVERSION.pdf• https://www.swwdmn.org/wp-content/uploads/2016/08/SWWWD-WMP-October-2016-1.pdf• https://www.swwdmn.org/wp-content/uploads/2016/03/2015SWWDRules.pdf	<ul style="list-style-type: none">• https://cms6.revize.com/revize/vbwd/document_center/Quick%20links/2013AdoptedRules.pdf• https://vbwd.org/watershed_management_plan_2015-2025/index.php																																																																																				



Memorandum

To: Board of Managers and Staff
From: Tina Carstens, District Administrator
Subject: 2023 Budget Planning
Date: July 28, 2022

Attached to this memo are several items regarding the 2023 preliminary budget:

- 2023 Budget Table
- 2023 Budget Program Line Item Breakouts
- 2023 Budget Line by Line Narrative

In the general fund, you will find some increases and decreases in line items. I have evaluated the completed budget and audit from 2021 as well as what has been spent to date in 2022. I use this information to fine-tune the 2023 budget. Some increases seen in the general fund are due to anticipated increased costs due to inflation and some are due to a change in program work. The largest increase is in anticipated salary and benefits needs. This is a larger increase over previous years as I anticipate our compensation structure to trend upwards requiring some adjustments in salaries for our staff. This also includes anticipated increases in health insurance costs to the District.

In the capital improvement project (CIP) budget, you will see a new project was added for the Double Driveway Pond Enhancement project. This is based on the feasibility study that is currently underway. This adds a significant amount to our CIP budget and therefore includes a large increase in our proposed levy. In order to address the desires of the board to be cautious of large levy increases, the board could choose to not pursue this project in 2023 or the funds could be taken from the healthy contingency fund in the CIP fund. That contingency fund is currently at nearly \$1,500,000. Also to be aware of, the CIP budget table includes an amount to levy and then an amount to plan for carry over from 2022.

The carry-over is quite dynamic and will continually be evaluated as we move towards September and ultimately December. In this table, I have anticipated what I think will be close to the carry-over numbers to plan for. The proposed levy also anticipates \$3,000,000 carry-over in the general fund. Even a small change in the carry-over in the positive direction can make a big difference in the proposed levy and can help bring it closer to a zero increase. We typically start with a higher levy amount in August and September, and that number is refined as we move towards final levy approval in December. On the other side of things, I am still getting information from vendors and industry clues that may continue to increase proposed costs. We will be balancing both sides of this over the coming months.

I will take any feedback from the board at the August meeting regarding the budget and proposed levy increase. It will be helpful in August to know from the board on what is your comfort level in levy changes in 2023. Once we have that discussion in August, I will make some adjustments to the budget and levy before sending it to our city and county partners for review and comment. The information will also be public noticed in the paper (and on our website) in anticipation of the September board meeting to hold a public hearing on the preliminary budget and levy. At the September meeting, you will see a new budget/levy take and have a chance to better refine it. Those opportunities continue until the final adoption in December.

Fiscal Year 2023 Budget V1
August Budget Discussion

Budget ID Number	Budget Item		FY 2022 Budget	General Fund	Capital Improvements	Carry-over Funds	Other Funds	Total Proposed 2023 Budget	Increase (decrease) from 2022 Budget
1	Engineering	Administration	125,000	132,000				132,000	7,000
2		Engineering Review	60,000	70,000				70,000	10,000
3		Permit Application Review	55,000	59,000				59,000	4,000
4		Permit Inspection and Enforcement	10,000	10,000				10,000	0
5		Project Feasibility Studies	410,000	395,000				395,000	(15,000)
6		GIS Maintenance	5,000	5,000				5,000	0
7									
8	Attorney	General	40,000	40,000				40,000	0
9		Permit Enforcement	10,000	5,000				5,000	(5,000)
10									
11	Managers	Meeting Per diems	8,500	7,000				7,000	(1,500)
12		Managers Expenses	4,000	3,000				3,000	(1,000)
13									
14	Auditor/Accounting	Auditor/Accounting	70,000	75,000				75,000	5,000
15									
16	Miscellaneous	Dues & Publications	11,000	11,000				11,000	0
17		Insurance	55,000	60,000				60,000	5,000
18		Committee & Board Meeting Expenses	3,500	3,500				3,500	0
19		Miscellaneous	5,000	5,000				5,000	0
20									
21	Administrative	Salary & Benefits	1,660,000	1,860,000				1,860,000	200,000
22		Employee Expenses	15,000	15,000				15,000	0
23		Janitorial/Trash Services/Snow Plowing	15,000	15,000				15,000	0
24		Building Maintenance	150,000	125,000				125,000	(25,000)
25		Utilities (gas,electric, water, sewer, maintenance)	30,000	30,000				30,000	0
26		Office Supplies	7,000	7,000				7,000	0
27		Copying/Printing	5,000	5,000				5,000	0
28		Postage/Delivery	3,000	2,000				2,000	(1,000)
29		Office Furniture & Computer Equipment	150,000	120,000				120,000	(30,000)
30		Office Equipment Maintenance	3,000	2,000				2,000	(1,000)
31		Training/Education	75,000	75,000				75,000	0
32		Telephone	4,000	2,000				2,000	(2,000)
33		District Vehicles/Maintenance	20,000	20,000				20,000	0
34		GIS System Maintenance & Equip.	5,000	5,000				5,000	0
35		Database Improvements	40,000	20,000				20,000	(20,000)
36		IT Services/Internet/Website/Software Licenses	75,000	85,000				85,000	10,000
37		Outside Program Support	57,000	57,000				57,000	0
38		Outside Consulting Services	20,000	20,000				20,000	0
39									
40	Program	Lakes, TMDLs, Grants	125,000	142,000				142,000	17,000
41	Activities	Natural Resources Program	120,000	120,000				120,000	0
42		Water Monitoring-Lab Costs & Equip.	180,000	214,000				214,000	34,000
43		Research Projects	225,000	155,000				155,000	(70,000)
44		Project Operations	200,000	200,000				200,000	0
45		Education Program	75,000	70,000				70,000	(5,000)
46		Communications and Marketing	50,000	50,000				50,000	0
47		Events	46,000	51,000				51,000	5,000
48		Health & Safety Program/Staff In-House Training	3,000	4,000				4,000	1,000
49									
50	Capital Improvements	Maplewood Mall SRF Loan Debt Service	91,848		0	92,441		92,441	593
51	Summary	Beltline and Battle Creek Tunnel Repair Debt Service	302,863		0	302,963		302,963	101
52		Targeted Retrofit Projects	1,500,000		1,100,000	400,000		1,500,000	0
53		Stewardship Grant Fund	1,000,000		800,000	200,000		1,000,000	0
54		Double Driveway Water Quality Optimization Implementation	0		675,000	0		675,000	675,000
55		Project Repair & Maintenance	1,500,000		1,000,000	500,000		1,500,000	0
56		Wetland Restoration Projects	500,000		0	500,000		500,000	0
57		Flood Risk Reduction Fund	5,200,000		700,000	4,500,000		5,200,000	0
		Totals	14,324,710	4,351,500	4,275,000	6,495,404	0	15,121,904	797,194

	Budget Total	Budget Total By Fund		Proposed Levy
		General Fund	CIB	
2023 Budget Total and totals by fund	15,121,904	4,351,500	10,770,404	7,581,500
2022 Budget Total and totals by fund	14,324,710	4,230,000	10,094,710	6,763,498
2023 Budget Increase or (Decrease) from 2021 Budget	797,194	121,500	675,694	818,002
2023 Budget % change from 2021 Budget	5.57%	2.87%	6.69%	12.09%

2023 Budget Program Line Item Breakouts

Project Feasibility Studies (Line 5)	
Emergency Response Plans	\$15,000
Groundwater/Surface Water Next Steps	\$50,000
Hillcrest Golf Course Planning Assistance	\$20,000
Kohlman Creek Flood Risk Reduction Feasibility Study Continued	\$75,000
Ames Lake Technical Assistance and Project Planning	\$40,000
Resiliency Study for non-Beltline Tributary Areas	\$150,000
Contingency	\$45,000
Total =	\$395,000

Outside Program Support (Line 37)	
Watershed Partners	\$10,000
Blue Thumb	\$3,000
East Metro Education	\$13,000
Cooperative Weed Management Program	\$10,000
GIS Users Group	\$1,000
Contingency	\$20,000
Total =	\$57,000

Lake Studies Etc. (Line 40)	
Grant Applications	\$40,000
Watershed Management Plan Updates	\$20,000
West Vadnais Lake Incorporation	\$15,000
Subwatershed Feasibility Studies Prioritization	\$5,000
Carver Ponds Internal Load Reduction	\$37,000
Contingency	\$25,000
Total =	\$142,000

NR Program (Line 41)	
Ongoing Site Maintenance	\$25,000
Carp Management Program	\$50,000
Restoration Project Work	\$20,000
Equipment Needs	\$20,000
Contingency	\$5,000
Total =	\$120,000

Water Monitoring (Line 42)	
WQ Equipment Replacement and Repair	\$50,000
Lab Costs	\$90,000
Engineering Monitoring Assistance and Reporting	\$22,000
Special Project Monitoring: Maplewood Mall, Battle Creek etc	\$52,000
Total =	\$214,000

Research (Line 43)	
Minnesota Stormwater Research Council	\$50,000
Shallow Lakes Aeration Study	\$40,000
New Technology Reports	\$15,000
Internal Research/Contingency	\$50,000
Total =	\$155,000

Education/Events/Communications (Lines 45-47)	
Education and Work in Schools	\$70,000
Communications and Marketing	\$50,000
WaterFest	\$35,000
Watershed Excellence Awards	\$6,000
Events Contingency	\$10,000
Total =	\$171,000

Targeted Retrofits (Line 52)	
Retrofit WQ Projects Budget (eg. Lake Emily BMP, Roosevelt Homes)	\$1,500,000
Total =	\$1,500,000

Project Repair and Maintenance (Line 55)	
2021 Project Repair and Maintenance Contract	\$1,000,000
Beltline 5-year Inspection Completion and Repairs	\$15,000
Routine Inspections and Unplanned Maintenance ID	\$235,000
BMP and NR Maintenance Program	\$250,000
Total =	\$1,500,000

Flood Risk Reduction Fund (Line 57)	
Phalen Village/County Ditch 17 Final Design	\$150,000
Owasso Basin Flood Risk Reduction Projects (West Industrial Park Berm and Associated Improvements)	\$2,300,000
Tanners Lake/Battle Creek Lake Pipe Installation	\$410,000
Wakefield Lake Diversion Planning and Design	\$120,000
Other Flood Risk Reduction and Conveyance Feasibility Study Implementation Projects + Contingency	\$2,220,000
Total =	\$5,200,000

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.

2023 BUDGET NARRATIVE

Budget Line No.	Item & Description	Budget Amount	Change from '22 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.	132,000	7,000
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.	70,000	10,000
3	Engineering - Permit Application Review and Processing Provides for Engineering assistance in review of all permit applications, clarifying problems with the developer, meet developer on-site, coordinate permit issues with communities, counties, and other regulatory bodies.	59,000	4,000
4	Engineering - Permit Inspection & Enforcement Inspect projects when a designed improvement is involved and requested by District staff.	10,000	0
5	Engineering - Project Feasibility Studies This item provides a budget item for annual feasibility studies in preparation of future capital improvement projects. See Program Budget Line Item Breakout table.	395,000	(15,000)
6	Engineering - GIS Maintenance Provides funds for maintenance and assistance of the District GIS system.	5,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '22 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.	40,000	0
9	Attorney - Permit Enforcement Legal advice on permit sites including enforcement activities, letter and legal action as necessary.	5,000	(5,000)
11	Manager per Diems Manager per diems for regular and special meeting attendance. Increased budget due to increase in state statute amount allowed for manager per diems.	7,000	(1,500)
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	(1,000)
14	Auditor/Accounting Preparation of the District's annual audit and provide monthly accounting services.	75,000	5,000
16	Dues & Publications Dues for appropriate organization memberships (MAWD, League of MN Cities, etc.) and for purchase of necessary publications and reference materials.	11,000	0
17	Insurance District General Liability, Property/Casualty, Public Official Liability insurance, etc.	60,000	5,000
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.	3,500	0

Budget Line No.	Item & Description	Budget Amount	Change from '22 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 a salary increases and increased benefit costs.	1,860,000	200,000
22	Employee Expenses This includes mileage, parking, and supply expenses incurred by the District's staff.	15,000	0
23	Janitorial/Trash Services/Snow Removal Contract services required for office building and winter snow removal.	15,000	0
24	Building Maintenance Building repairs, equipment and landscape maintenance expenses.	125,000	(25,000)
25	Utilities (gas, electric, water, sewer) Provides for office building utility expenses.	30,000	0
26	Office Supplies Office supply costs for district operations.	7,000	0
27	Copying/Printing Photocopying and commercial printing expenses.	5,000	0
28	Postage/Delivery District postage and delivery expenses.	2,000	(1,000)
29	Office Furniture and Computer Equipment Acquisition of necessary new and replacement office equipment and furniture.	120,000	(30,000)

Budget Line No.	Item & Description	Budget Amount	Change from '22 increase (decrease)
30	Office Equipment Maintenance To fund office equipment maintenance.	2,000	(1,000)
31	Training/Education Training and education expenses for the District staff including pursuing equity/inclusion work.	75,000	0
32	Telephone District telephone expenses. Includes office phone system and support costs.	2,000	(2,000)
33	Vehicle Replacement, Equipment and Maintenance Provides for fleet maintenance and equipment.	20,000	0
34	GIS System Maintenance & Equipment Provides for continuous upgrading of GIS system data files and equipment as needed.	5,000	0
35	Database Improvements Provides for improvements to district database programs for permit program, stewardship grant program, inspections and timesheets.	20,000	(20,000)
36	IT Services/Internet/Web Site/Software Licenses Provides for maintenance and upgrades to computer network and software upgrades.	85,000	10,000
37	Outside Program Support Provides budget for financial support of programs that provide support to the District and its goals. See attached list.	57,000	0
38	Outside Consultant Services Provides funds for contracting special services with outside consultants as needs arise in the year.	20,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '22 increase (decrease)
40	Lakes, TMDLs, Grants This item is for various water body studies and related topics. See Program Budget Line Item Breakout table.	142,000	17,000
41	Natural Resources Program This item includes funding for project to enhance ecological diversity within the District – habitat restoration projects, site maintenance, studies and research.	120,000	0
42	Water Quality Monitoring Includes lab costs and equipment for lake sampling, BMP monitoring and performance monitoring. See attached list for breakdown.	214,000	0
43	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, and shallow lake aeration study. See Program Budget Line Item Breakout table. The decrease is due to moving from research to implementation for the Kohlman Permeable Weirs.	155,000	(70,000)
44	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 as well as the Keller Channel Weir and Phalen Outlet modification operations.	200,000	0
45	Educational Programming 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 includes continued support of Master Water Stewards Program as well as support of the Adopt-a-Drain program.	70,000	(5,000)

Budget Line No.	Item & Description	Budget Amount	Change from '22 increase (decrease)
46	Communications and Marketing This will be used to support our communications and marketing plan.	50,000	0
47	Events Provide funds for the annual WaterFest program and Watershed Excellence Awards program.	51,000	5,000
48	Health & Safety Program/Staff In-house Training Provides funds to support the District staff safety program, training costs, equipment.	4,000	1,000

Capital Improvement Budget Summary:

50	Maplewood Mall SRF Loan Debt Service Annual payment for the State Revolving Fund (SRF) loan for Maplewood Mall Phase IV project.	92,441	593
51	2016 Beltline and Battle Creek Tunnel Repair Debt Service This is the principal and interest payment for a bond issue approved in 2016.	302,963	101
52	Targeted Retrofit Projects This budget is to fund projects that have been targeted by the District as a priority project for water quality and natural habitat. Projects are vetted in the current year and potential project implementations are planned for 2023. Projects with the most potential at this time are planned for. 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.	1,500,000	0
53	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.	1,000,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '22 increase (decrease)
54	Double Driveway Water Quality Optimization Implementation This is a capital improvement project that may materialize out of the 2022 feasibility study of the same name. This is a water quality project in the Fish Creek subwatershed to target sediment based on the impairment the creek has.	675,000	675,000
55	Project Repair and Maintenance Provides funds for the maintenance of District projects and trunk conveyor system. Also includes funds for continuation of a BMP maintenance program and a contingency fund. See Program Budget Line Item Breakout table.	1,500,000	0
56	Wetland Restoration Projects This is a placeholder for the board to consider for projects that would include wetland restoration work. This is carryover from 2022.	500,000	0
57	Flood Risk Reduction Fund Provides funds for flood control projects including acquisition or flood proofing of existing flood prone structures. Assistance to cities to reduce flood risks in areas identified by District modeling of Atlas 14 storm events could also be included. This fund pools money for projects that meet the board's flood risk reduction goals. Projects identified out of the Owasso Basin Flood Risk Reduction Feasibility Study are included and listed in the line items breakout attachment. Also, anticipating projects from the completion of the Kohlman Creek Flood Risk Reduction Feasibility Study. Funds are also held in reserves for other project opportunities that may arise.	5,200,000	0

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Administrator's Report

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MEMO

TO: Board of Managers and Staff
FROM: Tina Carstens, Administrator
SUBJECT: July Administrator's Report
DATE: July 28, 2022

A. Meetings Attended

Tuesday, July 5	9:30 AM	MAWA Executive Meeting
Monday, July 25	8:30 AM	Staff Safety Training
Tuesday, July 26	2:00 PM	Metro INET Board Meeting

B. Upcoming Meetings and Dates

MAWD Summer Tour	August 23-25, 2022
September Board Meeting	September 7, 2022
October Board Meeting	October 5, 2022
November Board Meeting	November 2, 2022
MAWD Annual Meeting	Wednesday, Nov 30 – Friday, Dec 2, 2022
December Board Meeting	December 7, 2022

C. Ongoing Project Update

Board Action Log – I've started the list and included it at the end of the board packet.

Land Acquisition/Ponds of Battle Creek – No new information at this time. I am continuing to explore this and just didn't have time to focus on this in July.

D. West Vadnais Lake Boundary Change Update

Since the last update, the City of Vadnais Heights has indicated to me that formal action of the council isn't necessary for us to move forward with our process. There was significant support of the action at the two council work session meetings and they believed the next action they needed to take was the official approval at the end of the boundary change process. I also felt there was sufficient approval from the city at this stage. I indicated to the city that I am happy to answer any questions the council may have if anything comes up in the meantime. I will be meeting with our BWSR conservationist very soon and may have an update for you at the board meeting on our discussion.

E. MAWD Summer Tour Information

I emailed this information to the board this week but wanted to include it here as a reminder. If you are interested in attending, please let me know in the next week so we can get registration and accommodations completed.

RED RIVER PARTNERS SUMMER TOUR

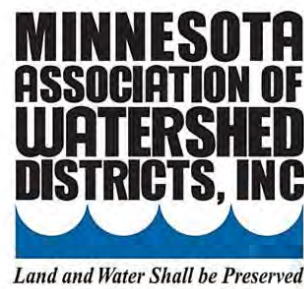
Grand Forks, ND | August 23-25, 2022



Red River Joint
Water Resource District



m BOARD OF WATER
AND SOIL RESOURCES



Tuesday, August 23



Meetings, Dinner, Social, and Presentations

- 1 p.m. MAWD Board of Directors meeting
- 1 p.m. MAWA meeting
- 4 p.m. Registration
- 6 p.m. Dinner and Social
- 7 p.m. 1997 Flood Overview; Presentations: Flood Reduction Efforts

Meetings and registration will be held at the Canad Inn. Dinner and social will be held at the Boardwalk Bar and Grill. Ken Vein, former Grand Forks City Engineer and Public Works Director and current city council member, will give a short overview of the 1997 flood. Summer Tour Partners will give presentations regarding flood reduction/water quality restoration efforts that have occurred over the last 25 years. The event will conclude at 9 p.m.

Wednesday, August 24



Red River Basin Bus Tour (Minnesota and North Dakota sites)

- 7 a.m. Registration (Buses will depart the Canad Inn at 8:30 a.m.)
 - 8:00 a.m. – 4 pm Bus Tour (see tour packet for more details)
- Hop on the bus for a tour of some exciting projects in the Red River Basin in both Minnesota and North Dakota. These projects will showcase water quality, drainage, flood damage reduction, soil conservation, fish and wildlife, and outdoor recreation.

Thursday, August 25



Workshop

- 8:30 a.m. Workshops (coffee, pastries, and fruit provided)
- Tracy Halstengard, Roseau River WD and Tara Jensen, Wild Rice WD will provide an update on eminent domain. An overview of the legislative bonding process will be given. Workshop ends at 11:30 a.m.
- 9 a.m. BWSR Board meeting – East Grand Forks

Hotel Accommodations and Registration Details

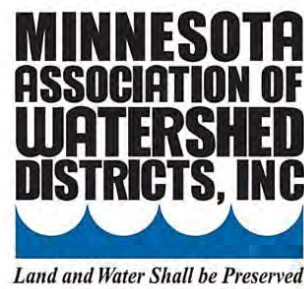
HOTEL: Call 701-772-8404 to reserve your hotel room at Canad Inns, 1000 S. 42nd Street, Grand Forks, ND 58201

REGISTRATION: [Click this link](#) to register for the Summer Tour

QUESTIONS: Contact Rob Sip at: 218-474-1084 or rob.sip@rwmb.us

RED RIVER PARTNERS SUMMER TOUR

Grand Forks, ND | August 23-25, 2022



Bus Tour Itinerary Wednesday, August 24, 2022 (Minnesota and North Dakota sites)

8:00 a.m. Load buses at hotel parking lot for **8:30 a.m. departure:** Canad Inns, 1000 S. 42nd Street, Grand Forks, ND 58201

Oslo: Tour participants will stop and see the Red River at Oslo and hear about Oslo area flooding and the Border Township Associative Group (BTAG) efforts to end Oslo's isolation from flooding by addressing the bridges and roadways that connect Minnesota and North Dakota.

Floodplain easements: Participants will see efforts since 1997 to provide flood damage reduction to private landowners along the Red, Forest, and Park Rivers in ND using USDA NRCS Emergency Watershed Protection (EWP) and Wetland Reserve Program (WRP) easements.

City of Drayton: The tour will look at and hear about the city's efforts for flood protection with dikes.

Drayton Dam: Tour will stop at the Drayton Dam located approximately three miles northwest of the City of Drayton. This structure will be modified as part of the mitigation plan for the F-M diversion project. When implemented it will allow fish passage upstream and will facilitate the movement of fish species such as the lake sturgeon to spawn as it did years ago. The project will also reduce the public safety concerns at the site.

Springbrook Flood Protection Project: This project consisted of constructing approximately eight miles of setback dikes to the 10-year flood elevation to prevent future out-of-bank flows and overland flooding. Twenty-eight side water inlets were installed and a 300-acre grass buffer corridor was created. In addition to providing significant flood damage reduction, the project has provided natural resources enhancements by reducing erosion, providing a habitat corridor, and reducing turbidity and suspended solids. Funding sources included the USDA-NRCS's PL566 small watershed program, Reinvest In Minnesota, the DNR's Flood Hazard Mitigation grant program, and the Two Rivers Watershed District.

Agassiz Valley Water Resource Management Project: This project was developed under the Mediation Agreement between the State of Minnesota and the RRWMB. It is a multi-purpose project which combines flood control and environmental enhancement features. It occupies about 2,600 acres in Marshall and Polk Counties in which an off-channel impoundment of approximately 5.25 miles of embankment, 5.5 miles of inlet channels, and two miles of bypass channel were constructed.

Swift Coulee Channel Restoration: This project includes restoration of meandering channel across eight sections of McCrea and Warrenton Townships in Marshall County. The channel restoration design is based on the Rosgen type E-Channel and a floodplain design for a 10-year frequency event. A setback levee included for flood damage reduction benefits and a culvert sizing scheme to reduce peak flows downstream. Side water inlets will be installed to minimize sediment runoff from adjacent agricultural fields. This project will provide flood control, habitat restoration, and soil health/erosion reduction benefits.

Snake River PL-566 Project: Phase 1 of this project consisted of the construction of the lower 4,000 feet of floodway and the outlet chute. Phase 2 included the off-channel floodwater storage area with a flood pool storage area of 6,800 acre/feet. Phase 3 consisted of the construction of the Snake River diversion structure and the upper three miles of floodway. Phase 4 called for mitigating 38.73 acres of directly and indirectly impacted wetland acres, as well as seven acres of forest impacted by construction of the project.

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Project and Program Status Reports

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Memorandum

To: Board of Managers and Staff
From: Tina Carstens and Brad Lindaman
Subject: Project and Program Status Report – June 2022
Date: May 27, 2022

Note: *The location, brief description, and current status of each project described below can be found on the [2022 RWMWD engineering services story map](#).*

Project feasibility studies

A. Interim emergency response planning for district areas at risk of flooding (Barr project manager: Gareth Becker; RWMWD project manager: Tina Carstens)

The purpose of this project is to provide information and guidance to cities throughout the district about how to protect low-lying habitable structures from flooding during the 100-year storm event. These emergency response plans address areas for which there is 1) not currently a feasible project that has been identified to protect structures or 2) a project that cannot be implemented in the near future due to logistical and/or budgeting reasons. This effort is an outcome of the Beltline resiliency study. This project will extend into 2022.

This month, Barr met with the City of North Saint Paul to discuss coordination of flood risk mitigation projects within the city. We provided an overview of the emergency response plans and information about site-specific modifications that the RWMWD is evaluating for properties within North Saint Paul. As in meetings with Saint Paul and Maplewood, North Saint Paul had concerns about response times in areas of flash flooding and limited resources relative to the number of flood-prone structures. The city is working on a flood risk mitigation study with grant funding obtained through the Minnesota Pollution Control Agency (MPCA). We discussed sharing files and notes to enable the ongoing studies to build off each other. Following the meeting, Barr met with the RWMWD to review the schedule for completing emergency response plans and, given feedback from cities regarding response times and number of structures, the anticipated format for proposed plans. This month and through the summer, Barr is developing plan sheets for placing emergency flood risk mitigation measures.

B. Kohlman Creek flood risk reduction feasibility study (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose of this study is to complete a feasibility evaluation of modifications to reduce flood risk along Kohlman Creek to remove structures from the 100-year floodplain. Work includes coordination with the cities of Maplewood and North Saint Paul, evaluation of alternatives to reduce flood risk, preparation of cost estimates for each alternative, and identification of permitting requirements. This project focused primarily on areas surrounding PCU Pond and the wetland complex west of White Bear

Avenue. This feasibility study is a follow-up study of flood-prone areas identified in the Beltline resiliency study.

This month, Barr continued to work with the City of North Saint Paul's consultant to set up a site to share files related to flood risk reduction studies within the city.

This year, the Kohlman Creek flood risk reduction feasibility study will focus on understanding the types of system improvements near PCU Pond that the city would support and that would coordinate with North Saint Paul's other ongoing studies. This study is being conducted in parallel with the Kohlman Creek/ Wakefield Lake diversion study, so system modifications around PCU Pond will not be evaluated further until next year when the diversion concept is better defined and design flows are determined.

Next month, Barr will continue to work with the city to identify flood risk reduction opportunities that accomplish both RWMWD and city goals and objectives.

C. Kohlman Creek/Wakefield Lake diversion feasibility study (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose of this study is to complete a feasibility evaluation of modifications to reduce flood risk on Kohlman Creek by diverting high flows to the historic County Ditch 17. Work includes coordination with stakeholders, evaluation of alternatives to reduce flood risk, preparation of cost estimates for each alternative, and identification of permitting requirements. This feasibility study is a follow-up study of a flood-prone area identified in the Beltline resiliency study.

This month, Barr continued the hydraulic evaluation of diversion sizes and stormwater storage best management practices (BMPs) located within the Goodrich Golf Course. The size of the diversion pipe and storage BMPs are interconnected; in general, the larger the diversion, the larger the storage BMPs must be so as to not increase downstream discharge rates.

We understand that Ramsey County has selected the designer for irrigation system improvements within the golf course. Next month, we will meet with the county and its consultant to discuss locations of storage BMPs and other improvements within the golf course.

Next month, Barr will also begin developing preliminary grading figures to illustrate how stormwater storage BMPs would tie into existing ground to provide a more complete characterization of the footprint for each BMP. Hydraulic evaluation and preliminary sizing of the diversion pipe, stormwater storage BMPs, outlet structures, and downstream modifications are an iterative process and are anticipated to continue through the summer.

In the fall, preliminary figures will be shared with project stakeholders, including the cities of North Saint Paul and Maplewood and Ramsey County. Barr will request comments on site impacts and changes to peak water levels within North Saint Paul, Goodrich Golf Course, and Maplewood. After receiving stakeholder comments, we will continue evaluating and refining alternatives through the winter. The feasibility study is scheduled to continue through summer 2023.

D. County Ditch 17 improvements feasibility study (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose of this study is to complete a feasibility evaluation of modifications to reduce flood risk northeast of Wakefield Lake along historic County Ditch 17 to remove structures from the 100-year floodplain. Work includes coordination with the City of Maplewood, evaluation of alternatives to reduce

flood risk, preparation of cost estimates for each alternative, and identification of permitting requirements. This feasibility study is a follow-up study of a flood-prone area identified in the Beltline resiliency study.

This month, Barr continued updating the RWMWD stormwater model to evaluate storm sewer modifications and alignments and stormwater BMPs to reduce flood risk along County Ditch 17 between Frost Avenue and Wakefield Lake and mitigate downstream impacts to water surface elevations. Several alternatives have been identified, including adding storage volume north of Frost Avenue, storage volume west of White Bear Avenue, and a new storm sewer system between Frost Avenue and Wakefield Lake.

Next month, Barr will prepare estimates of probable construction cost for each alternative, meet with the City of Maplewood to share potential storm sewer modifications for mitigating flood risk, and develop a memorandum summarizing the evaluation results and identification of recommended system modifications. The County Ditch 17 feasibility study is anticipated to extend through summer 2022.

E. Phalen Village feasibility study (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose of this study is to complete a feasibility evaluation of modifications to reduce flood risk near Phalen Village north of Lake Phalen to remove structures from the 100-year floodplain. Work includes coordination with the City of Maplewood, evaluation of alternatives to reduce flood risk, preparation of cost estimates for each alternative, and identification of permitting requirements. This feasibility study is a follow-up study of a flood-prone area identified in the Beltline resiliency study.

This month, Barr finished the hydraulic evaluation of stormwater system modifications to mitigate flood risk north of Lake Phalen. System modifications include changes to the storm sewer system or grading of an overflow swale within private property.

Next month, we will meet with the City of Maplewood to solicit input on potential system modifications and begin preparing a memorandum documenting the evaluation and recommended system modifications. The feasibility study will extend through summer 2022.

F. Ames Lake area flood risk reduction planning study (Barr project manager: Brandon Barnes; RWMWD project manager: Tina Carstens)

The purpose is to complete a planning-level evaluation of modifications to reduce flood risk near Ames Lake, supported by the City of Saint Paul. Work includes coordination discussions with Saint Paul; review of potential pipe alignments, land acquisition costs, utility conflicts, and permitting issues; and related design. If the planning study identifies projects that impact regional drainage, a feasibility study will be completed in 2023. This planning study is a follow-up study that was identified in the Beltline resiliency study.

This month, Barr continued reviewing comments from the Saint Paul Water Resources Working Group (WRWG) regarding system modifications at different locations within the city. The WRWG consists of Saint Paul staff from various departments who coordinate projects that may impact water resources. Based on input from the WRWG, Barr grouped locations by the potential for city support. Locations where support is likely were identified based on positive feedback from the WRWG and alignment with other city projects and goals. Areas categorized as “unknown” are locations where the city would potentially support a project, but the support is contingent on others’ approval and stakeholder coordination. Finally, areas identified as “not likely” are locations where WRWG members identified a

conflict or other city plans that would prevent system modifications. A figure showing site locations and corresponding classifications (based on WRWG comments) will be shared with city staff.

Many of the sites have constraints (such as planned future uses) or impacts (such as upland impacts to existing trees) that will require further evaluation in the form of a site-specific feasibility study prior to final design of system modifications.

This planning-level study will extend through summer 2022. The Beltline resiliency study identified modifications to the stormwater system that cities typically implement, such as additional catch basins and storm sewer pipes. However, if potential system-scale modifications are identified, a feasibility study could be completed in 2023.

G. Owasso Basin area/North Star Estates improvements (Barr project manager: Sam Redinger; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the benefit-cost of flood risk reduction strategies in the Owasso Basin/North Star Estates area by reviewing potential pipe and berm alignments, land acquisition costs, utility conflicts, permitting issues, and related design as well as construction and long-term maintenance costs associated with each alternative that achieves the project objective of removing habitable structures from the floodplain in this area. Stakeholder outreach with the City of Little Canada is an important part of this effort. This study is a continuation of the Owasso Basin bypass study, which laid out several phases of implementation and areas of further study.

This period, Barr evaluated modifications in and around Owasso Basin to meet design criteria, assessing alternatives to reduce flood risk for businesses along the western edge of the basin. Next period, we will continue evaluating the alternatives and review the developed options with Little Canada, as city input is needed to verify their feasibility and appropriateness within the city's long-term plans.

H. Double Driveway Pond optimization study (Barr project manager: Tyler Olsen; RWMWD project manager: Tina Carstens)

The purpose of this study is to evaluate the benefit-cost of water quality improvements in Double Driveway Pond in the Fish Creek subwatershed. These improvements will be targeted at sediment reduction strategies that will benefit downstream Fish Creek, which is considered impaired by excess sediment. An important part of this study is tying strategies to the findings of a current Department of Agriculture study (currently under review) that is assessing the water quality of runoff from upstream areas.

This period, Barr evaluated conceptual design costs for potential improvements to Double Driveway Pond. These planning-level costs will be included in budgeting discussions for 2023 with RWMWD staff. Barr will continue monitoring any remediation action outlined by the Minnesota Department of Agriculture and look for opportunities to partner with them to address TMDL issues in downstream Fish Creek.

I. Carver Ponds improvements study (Barr project manager: Tyler Olsen; RWMWD project manager: Tina Carstens)

The purpose of this study is to characterize the water quality in the Carver Ponds in the Fish Creek subwatershed and to evaluate the benefit-cost of water quality improvements to the ponds. These improvements will be targeted at internal loading of nutrients in the pond, as well as potential external

sediment and nutrient loading. The goal will be to inform design solutions to be implemented in the ponds.

This period, Barr collected survey information (bathymetry and storm sewer infrastructure) and conducted one water quality sampling event. The samples were sent to Pace Analytical for testing. The survey data will be used to create a design base file for any potential improvements to Carver Ponds. Additionally, internal discussions determined that sediment sampling of the pond and release rate experiments should be conducted in September to avoid the highly dynamic phosphorus cycling that occurs during the warmest summer months. Water quality sampling will still take place throughout the rest of the summer.

J. Lake Emily subwatershed regional BMP (Barr project manager: Leslie DellAngelo; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to complete final design, plans, and specifications for a regional stormwater BMP in the Lake Emily subwatershed with the purpose of decreasing phosphorus loads to Lake Emily, which is deemed to be at risk of impairment from excess nutrients.

As described last month, on June 23, RWMWD and Barr met with the City of Shoreview staff to discuss the projects identified in the Lake Emily subwatershed feasibility study (2016) to coordinate upcoming potential projects. After the meeting, the city provided information about the two sites under investigation. Staff reviewed the information, conducted a survey of the existing trees at both sites and performed other desktop analyses in preparation for upcoming topographic surveys and soil borings.

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

The purpose of this study is to evaluate the RWMWD's compliance with the South Metro Mississippi River TSS TMDL. As a regulated municipal separate storm sewer system (MS4), the district is required to meet the waste load allocations (WLA) of 154 pounds of TSS per acre per year. The WLA is applicable to the RWMWD for the Saint Paul Beltline Interceptor and its contributing drainage area, as the district owns and operates the infrastructure.

This past spring, Barr and the MPCA discussed 2022 reporting requirements for the South Metro Mississippi River TSS TMDL. Based on those conversations, the MPCA is not requiring reporting from regulated entities in the TMDL until summer 2023. This year, Barr will work with the RWMWD to analyze monitoring data (flow, water quality) for the Beltline to determine if the district is meeting its WLA. We may also utilize the RWMWD's P8 water quality models to help verify whether the district meets the WLA. After the RWMWD requested flow and water quality monitoring data for the Beltline from the Metropolitan Council, the district was informed that a data storage error occurred on the council's website. Barr will continue to inquire with the Metropolitan Council about this data request.

Monitoring water quality and special projects

L. Annual water quality report assistance (Barr project manager: Keith Pilgrim; RWMWD project manager: Eric Korte)

The purpose is to update and report on lake and stream water quality, monitoring of selected best management practices (BMPs), and other water quality improvement projects that highlight district efforts.

Primary activities during this period included organizing water quality data for lakes, streams, and BMPs; developing tables and graphs for the 2021 report; writing the report; and adding project activities for 2021. The draft report was finalized in June, and the final report will be available in early August.

M. Special project BMP monitoring (Barr project manager: Chris Bonick; RWMWD project manager: Eric Korte)

The objective is to monitor specific water quality BMPs that the RWMWD has implemented, particularly those that include filtration media such as iron-enhanced sand, spent lime, or CC17 crushed limestone aggregate, and/or that leverage continuous monitoring and adaptive control (CMAC) technology.

Barr has been unable to conduct the performance test on the Willow Pond CMAC due to the low water level this past month. We will attempt again as soon as rainfall occurs and pond levels rise. After successful completion of the test, the system will go online.

Research projects

N. Kohlman permeable weir test system (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)

The objective of this current investigation is to design a full-scale permeable weir treatment system for installation in the Kohlman Basin.

Barr and the RWMWD are proceeding with broader implementation of the permeable weir pilot project. A kickoff meeting was held on April 26. This period, we developed a plan for next steps: 1) conceptual design development; 2) cost-benefit analysis (e.g., cost per pounds of phosphorus removed) for the selected design; 3) evaluation of wetland considerations; 4) floodplain modeling; and 5) design development. Barr has completed a cost-benefit analysis, which will be provided at the August board meeting that consists of an annualized dollar-per-pound removal rate normalized for comparison with other BMPs across the district. During this period, floodplain modeling was also conducted and confirmed that no changes in flood elevation are expected with the planned permeable weir modifications. A project summary memo was also developed to inform the wetland permitting process.

O. Shallow lake aeration study (Barr project manager: Keith Pilgrim; RWMWD project manager: Bill Bartodziej)

The purpose of this study is to evaluate the potential effectiveness of aeration in shallow lakes by studying the effect of aeration in three smaller shallow systems (Markham Pond, Bennett Lake, and Gervais Mill Pond) in detail during 2021 and 2022. This approach is being pursued as an alternative to whole-lake alum treatments.

Barr presented the data collected in 2021 to the RWMWD and discussed it with Bill Bartodziej. The data offers a good baseline from which to evaluate the capacity of aeration to reduce internal loading in shallow lakes in general.

Markham Pond, Bennett Lake, and Gervais Mill Pond will serve as the study sites. The aerator in Markham Pond operated all winter and will continue to do so through the fall. The City of Roseville plans to install a limited aeration system in the east bay of Bennett Lake, and Gervais Mill Pond will have an aerator installed in the north bay in 2022 when equipment is available (currently backordered). Dissolved oxygen meters have been installed, and the first round of monitoring was conducted during the week of May 9.

This experimental design will provide comparison of:

- Internal loading in Markham Pond without (2021) and with (2022) aeration
- Internal loading in Gervais Mill Pond for a bay with aeration to a bay without aeration (2022)
- Internal loading in the west bay of Bennett Lake (no aeration) to the east bay of Bennett Lake (with aeration) in 2022

Project activities during this period included the June sampling event, organization and review of May and June data for completeness and accuracy, planning for the July sampling event, and presentation of data to the RWMWD to discuss results to date and any needed project changes.

Capital improvements

P. Target store stormwater retrofit projects (Barr project manager: Katie Turpin-Nagel; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to design, provide bid assistance for, and oversee construction of BMP retrofits at two Target retail stores.

At the East Saint Paul Target site, the one-year plant warranty expired in June, and plants were replaced in July. The RWMWD coordinated a watering schedule with Ramsey Conservation District to support the plantings through the dry season.

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

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

Construction at Mounds Park Academy is underway and should be complete in early August except for plantings, which will wait until fall. The rain garden and outdoor classroom spaces are shown in the images below. The St. Pascal Baylon Catholic Church project is delayed due to required City of Saint Paul plan review and related design modifications. The project has conditional approval, and we anticipate that construction will start in August, after changes are addressed and related price adjustments are found reasonable. Change Order 2, which describes those required changes to the scope and budget, is included in the consent agenda.

R. Stewardship grant program – street sweeping (Barr project manager: Marcy Bean and Michael McKinney; RWMWD project manager: Paige Ahlborg)

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

In support of the stewardship grant program, Barr began modeling and analysis efforts related to the street sweeping prioritization study. Water quality modeling results were summarized to allow for the evaluation of street sweeping effectiveness within all modeled subwatersheds. We also started developing geographic information system (GIS) tools to calculate the street sweeping pollutant removal and efficiency within grid areas (approximating city blocks) throughout the district. Barr will work with the RWMWD project manager, and a July 26 project coordination meeting addressed upcoming milestones, project timeline, and goals for incorporating street sweeping prioritization into recommendations for the stewardship grant program.

S. Woodbury Target stormwater retrofits (Barr project manager: Katie Turpin-Nagel; RWMWD project manager: Paige Ahlborg)

The purpose of this project is to create concept-level designs for Woodbury's Valley Creek Target shopping complex.

Unfortunately, Target delayed Barr's site visit until early August. The visit will include Target representatives, the RWMWD, Barr, and plaza owners. The next packet update will likely be at the end of August, and a scope summary will be presented to the managers after that meeting.

CIP project repair and maintenance

T. Beltline five-year inspection (Barr project manager: Sam Redinger, RWMWD project manager: Dave Vlasin)

The purpose of this project is to maintain the existing Beltline and Battle Creek tunnel systems and infrastructure owned and operated by the RWMWD.

This period, Barr completed the in-pipe survey of the Battle Creek pipe and the in-pipe visual inspection of the pipe system upstream of Upper Afton Road. Over the next few periods, we will evaluate findings to develop the inspection report.

U. District inspection standardization (Barr project manager: Tyler Olsen; RWMWD project manager: Tina Carstens)

The purpose of this project is to standardize the district's creek and facilities inspection process, evaluation, and related data collection effort. Work includes review of current methods, development of a scoring system, and implementation of mobile data collection.

On This period, Barr worked with the RWMWD to update the inspection location feature class to include unique identifiers for each location. This effort will help staff track inspections and historic data in GIS and will provide a framework when new locations are added to the database. Additionally, Barr began developing a one-page template for reporting inspection results that can be exported automatically each year. The district and its partners (i.e., cities) can use these one-page summaries to review data collected in the field.

In the upcoming month, Barr will work with the RWMWD to verify that the application and database are ready for annual inspection to occur in late August/early September. Tyler will attend the October board meeting to demonstrate the tool.

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V. CIP maintenance/repairs 2022 project (Barr project manager: Greg Nelson; RWMWD project manager: Dave Vlasin)

The purpose of this project is to maintain existing systems and infrastructure owned and operated by the RWMWD and to assist and facilitate stormwater pond cleanouts to allow other public entities to meet their municipal separate storm sewer systems (MS4) requirements.

Final payment application number 4 is included in the bill list portion of this project status report. Final payment includes release of all retainages withheld during the project. Barr will work with the contractor to fulfill the closeout requirements within the next week.

W. Natural Resources Update – Bill Bartodziej and Matt Doneux

Bennett Lake Aerator Installation

Management objectives: Reduce the carp population to lower the internal loading of phosphorus.
Sustain a bluegill population to limit carp reproduction.

Substantial Winter Fish Kill

As we reported in the spring, Bennett Lake experienced a pretty substantial fish kill over the winter. This was caused by very low (0.2 mg/L) dissolved oxygen levels in late winter. Gamefish species such as bluegill sunfish and largemouth bass require around 4 mg/L to survive and reproduce. The native bluegill sunfish efficiently eat carp eggs and provide an effective means to limit carp re-introductions. Thus, having a robust native fish community works to sustain good water quality, in addition to providing a valuable neighborhood fishing destination.

Partnering with Roseville

In late spring, The City of Roseville agreed to partner on the installation of an aeration system. Over the last two months, the City rewired their electric power system, installed two compressor pumps, poured a cement slab, and installed a pump-house shelter. The Watershed provided hose and diffusers, and a system layout design. The City will be in charge of the system operation. NR also contacted DNR Fisheries and they will be closely monitoring the gamefish population in Bennett.

Aeration Benefits and Water Quality Sampling

- Eliminates or reduces winter fish kills and promotes native fish communities
- Sustains bluegill sunfish which controls carp recruitment
- Provides a high quality neighborhood fishery.
- Aeration may reduce phosphorus loading from the lake bottom sediments. Although data is limited, phosphorus concentrations from Casey and Markham, two systems that are aerated, were generally lower than concentrations found in systems with depleted oxygen levels.
- Bennett will be sampled through the summer and in winter in order to determine the magnitude of internal phosphorus loading, and the capacity of aeration to reduce this loading. These data then can be used to better evaluate this tool in water quality management.

Installation

On July 19th, NR and Roseville staff installed the hoses and diffusers in Bennett. The system is now operational. Below is a map showing the diffuser locations and a few photos of the installation process. The bubbles from the diffusers can be viewed from the walking path.



Four twin diffuser heads ready for deployment.

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1,800' of weighted hose is being used to send air to the diffusers.



¾" hose being fed under the walking pathway, and then fastened to the pump stems.



Hose being pulled under the path and then positioned offshore by a crew in a johnboat.



The end product. The diffusers are working well and bubbles can be easily seen from the walking path.

X. Public Involvement and Education Program – Sage Passi

This Tour is Back! The LEAP team organized a bus trip for 22 people at 3 Exceptional LEAP Award-Winning Projects in Shoreview, White Bear Lake and Little Canada on July 26



Top left and right: Wild Ones volunteers, Karen Eckman and Eva Ekola engage tour visitors at the Island Lake Elementary rain garden in Shoreview that was rescued, revived and continues to be tended by volunteers. **Bottom left:** Connie Taillon, White Bear Lake Environmental Specialist/Water Resources Engineer provides background on the large prairie restoration completed by the City of White Bear Lake. This former bituminous roadway was replaced by more than a half-acre of dry, mesic, and wet prairie. **Bottom right:** Gregory Huonder interacts with Ramsey County Master Gardener, Sharon Hardy at his large-scale shoreline restoration project on Savage Lake. This enhancement project begun in 2011 with the removal of invasive plant species, regrading, and plantings of stunning, diverse native plant community including wetlands and uplands. Work continues today at this huge innovative site that handles significant water flows. Recruitment for participants on this tour was assisted by Sage Passi.

A Village Cares for the Boys and Girls Club Native Planting Demo Project



Left: Kohl's volunteers at work at Boys and Girls Club. Right: Native Garden at BG Club in July

During the last two weeks of July we've been gearing up for the upcoming National Night Out event at the East Side Boys and Girls Club in St. Paul to be held on Tuesday, August 2. Activities at our table and onsite will include native seed paper making, seedling transplanting, a plant give-away drawing, plant signs and photo ops with Blue Thumb flower faces. We will incorporate a number of different watershed display elements including maps and hand outs promoting our Stewardship grant program, upcoming events and provide Lawns to Legumes plant advice. We will also seek input from this east St. Paul community regarding water related issues including flooding and other watershed issues. Several Water Stewards (Stuart Knapmiller, Stephanie Wang) and Education staff (Sage) are teaming up to engage with participants at this event. Thank you to CAC /Water Steward Stephanie Wang for initiating the planning process and helping prepare activities.

Earlier in June, Sage did some supplemental planting of native seedlings in the garden, but then hot, dry weather discouraged further transplanting for awhile. She and Cathy Troendle did site visits on July 18 and 19 to inventory the progress of the garden. We were happy to see a lot of increased growth of native plants in the garden and determined where we needed to add more or replace plants. We also learned that the Club is engaging Tree Trust staff and four high school Tree Trust youth M-F in watering our large planting area, doing weeding and invasive removal around the perimeter of the building and other site maintenance. They are also preparing to build a split rail fence around this large restoration project over the next few weeks to keep bicycles out and people from trampling plants. Thanks so much Tree Trust!

Sage learned that a group of nine Kohl's corporate volunteers were coming on Saturday July 23 to add mulch to this large scale project at the Boys and Girls Club. She determined that it was not needed and redirected this team to do weeding and supplemental planting on the site. We hope to engage volunteers from Kohl's and other corporate partners in future District projects. What an awesome team! Thank you for your efforts!

Preparations for August Events: Pollinator Festival at Lake Phalen (August 7)



RWMWD is partnering with Lower Phalen Creek Project's at their annual Pollinator Festival on Sunday, August 7 from 11-3 at Lake Phalen. Sage, Cathy Troendle and Stuart Knappmiller will be helping set up and supporting activities in the pavilion at Lake Phalen. Our plans are to do a plant give-away similar to what we've offered at WaterFest over the years, offer several other hands on activities and provide Stewardship grant information and Blue Thumb Lawns to Legumes, rusty patched bumblebee handouts with information on how to incorporate pollinator and water friendly plants in yards or rain gardens. We will also be encouraging people who stop by to visit the large-scale Blue Thumb exhibit at the entrance to the Eco Experience building at the Minnesota State Fair in August and early September. At this event there will be live music, kid-friendly pollinator education, plant walks, a Dakota-owned food truck, art-making, Native plant giveaways, face painting, and more! Link is below:

https://www.facebook.com/events/426130342749488?active_tab=about

Planning is Underway for RWMWD's RWMWD Water Stewards Summer Get-Together and Tour of Capstone Sites in Roseville and St. Paul on August 4

We are organizing a potluck and in person tour to reconnect Water Stewards on August 4. Lee Bauer, a Steward who resides in Roseville is the host site for the first stop where Water Stewards will gather to see her stunning rain garden, native plantings and buffer plantings on the shoreline of Willow Pond. We will share info about her site, socialize and eat supper then move on to other capstone projects in East St. Paul at the homes of Rachel Hanks and Bill Cranford, Stuart Knappmiller, Bette Danielsen and Bobbie Scott.

Y. Communications and Outreach Program Report – Lauren Hazenson

Event Outreach

Stewardship Grant Open House

Tuesday, July 11

This event was quite successful overall, with approximately 30 attendees visiting the open house. We received five grant applications from properties in the targeted areas after the event.

White Bear Lake Environmental Expo

Thursday, July 28, 6:00 – 9:00 pm

This yearly expo, hosted on the last Friday of White Bear Lake Market Days, allows us to test some new outreach materials and determine audience interest for more content.

Lake Owasso Family Night

Thursday, August 11, 5:30 – 7:30 pm

Communications, Education, and Natural Resources are planning this community event to celebrate the shoreline restoration on Lake Owasso. It also drives attention to the project in its first year and increases awareness of restoration work in the Shoreview and Roseville area. We will host art and educational activities and a community planting where families can install aquatic plants. We have begun promoting this event via social media and press releases.

MS4 Brown Bag Lunch Series

This series is an ongoing partnership with Rice Creek Watershed District and Vadnais Lake Area Water Management Organization. This month we offered a workshop on creating an MS4 education implementation plan for city staff, local commissioners, and other interested professionals.

Volunteer Management

This month we completed edits to the volunteer guide draft based on CAC volunteer and staff feedback.

Website Redesign

The first half of this month was primarily dedicated to getting the new website ready for launch. Details for July work and the project's overall scope are included in a separate report below.

"Day in the Life" Twitter Series

We have been working on a regular social media series following each department for a day as part of a "day in the life" campaign. The goal is to show the regular work of RWMWD staff in the field to increase

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public understanding of how we do our work and why. The water quality, permit and inspections, and education departments have been featured thus far. We will complete the series with Natural Resources next month.

E-newsletter

Audience: 1,589

Opens: 41.7%

Link clicks: 5.4%

Social Media (Facebook, Twitter, Instagram)

Numbers as of 7/25 :

Facebook

Reach: 1,654

Engagement(likes, shares, comments): 804

Audience: 1,220

Instagram

Reach: 161

Engagement: 23

Audience: 698

Twitter

Reach: 1,203

Engagement: 34

Audience: 1,020

Resident Communications/Professional Development/ Public Meetings, Misc.

- Scandia Shores presentation (7/18)
- Staff first aid and CPR training (7/25)
- Staff support for resident emails (ongoing)

Staffing note: Communications Intern Jazmine Ngwu has moved on to work as a Communication Specialist at Paisley Park. We wish her all the best in her new endeavor!

July 2022 Website Redesign Report

Quality Assurance Testing and Final Fixes

After much of the site was populated, St. Paul Media and Lauren went through the site to ensure all widgets, custom pages, and links were working correctly. The site was transferred to the new server before the soft launch.

Usability Testing and Staff Training

A group of individuals with no previous experience of the site or RWMWD and very little watershed knowledge was given a script of different common activities to complete. This allowed us to identify potential concerns with usability in the site structure or the written content. The Board was also invited to participate in this activity. We added content and adjusted pathways based on these responses. All staff completing tasks on the website were trained on basic site functions and how to create posts or edit content.

Site Launch and Announcement

After fixes from both phases of usability testing were completed, staff were invited to complete a final review of their respective sections to ensure completion. The soft launch the prior week also allowed us to fix a few issues with the project and waters maps that popped up after the site went live. Staff was a key partner in quickly identifying these issues so that we could fix them within hours of the launch. On Monday, July 18th, we unveiled the new site to the public, along with a short video to help longtime users of the site find their favorite pages if the location has changed. Overall, the transition has been smooth and exceptionally quiet.

Phase 2

The online permit payment function of the site was delayed until RWMWD staff could further develop internal procedures to document online payments. A smaller campaign to past permit holders will be launched later this year when the payment portion of the site is launched. The one-stop site for the lake level stations was also delayed and will be promoted through a separate announcement as soon as it is completed.

Summary of work completed

Research

Interviews with staff, Board, longtime volunteers, business owners, grantees, and event attendees were completed to get a multi-audience perspective of the needs and wants for the new site. We then completed user personas to ensure all audiences were considered when constructing the site.

Content Mapping

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Content for the new site was based on newer audience and resident experiences primarily, as they have the most difficult time finding items and have no previous staff resource knowledge. We added resources to ensure new users with little watershed knowledge could quickly understand our work and basic watershed concepts to find the answers or services they need quickly and easily.

Framework

The basic framework of the site was created, and design elements were drafted to reflect the natural beauty of our district and its water bodies.

Usability testing 1

When the framework was completed, the first group of usability testing volunteers sent feedback on the site and potential improvements. Thanks to Val Eisele for volunteering his insights for this project phase.

Content creation and upload

- Summarized above

Usability testing 2

- Summarized above

Site launch

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Board Action Log

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Board of Managers Action Log

Wednesday, August 3, 2022

Date Added	Item	Anticipated Action Date	Means of Action
July 2022	Alum use for internal load control along with information on alternative solutions.	Fall/Winter 2022	Memo/Presentation
July 2022	PFAS (Per- and polyfluoroalyl substances) in MN and RWMWD's role.	Fall/Winter 2022	Presentation – invite MPCA representative
July 2022	Miyawaki Mini-Forest Assessment	Fall 2022	Barr new technology report