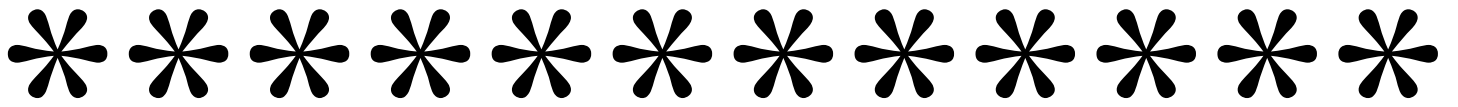




RAMSEY-WASHINGTON
METRO WATERSHED DISTRICT

August 2024 Board Packet



Agenda





Regular Board Meeting Agenda

Wednesday, August 7, 2024

6:30 PM

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

1. Call to Order – 6:30 PM
2. **Approval of Agenda (pg. 3)**
3. **Consent Agenda: To all be approved with one motion unless removed from consent agenda for discussion.**
 - A. Approval of Regular Meeting Minutes July 10, 2024 (pg. 7)
 - B. Treasurer's Report and Bill List (pg. 16)
 - C. Permit Program
 - i. 24-38 3M Building 209 Demolition, Maplewood (pg. 31)
 - D. Stewardship Grant Program
 - i. 24-36 CS Rabeaa (pg. 35)
 - ii. 24-38 CS Pham (pg. 37)
 - iii. 24-41 CS Rowe (pg. 39)
4. Visitor Comments (limited to 4 minutes each)
5. Permit Program
 - A. Applications
 - i. **24-39 Xcel St. Paul Service Center, St. Paul (pg. 42)**
 - B. 2024 Inspector Intern Summary, Kendra Kloth
 - C. Enforcement Action Report (pg. 50)
6. Stewardship Grant Program
 - A. Applications – see consent agenda
 - B. Budget Status Update (pg. 56)
7. Action Items
 - A. **Fish Creek Tributary Permanent Easement Acquisition (pg. 58)**
8. Attorney Report
9. Board Discussion Topics
10. New Reports and/or Presentations
 - A. 2025 Budget Discussion (pg. 62)
 - B. WARP Update Presentation (pg. 75)
11. Administrator's Report (pg. 90)
 - A. Meetings Attended
 - B. Upcoming Meetings and Dates
 - C. Staff Anniversaries
 - D. Board Action Log
 - E. Minnesota Watersheds Updates

F. Staff Updates

12. Project and Program Status Reports (*pg. 94*)

Project Feasibility Studies

- A. Ames Lake Area Flood Risk Reduction Planning Study
- B. Phalen Village Flood Risk Reduction
- C. Street Sweeping
- D. Maplewood Mall 2024 Assessment
- E. Watershed Approach to Retrofit Projects

Project Operations

- F. Lake-Level Station Maintenance and Rain Gauge Installation

Capital Improvements

- G. Woodbury Target Store Stormwater Retrofit Project
- H. Roosevelt Homes
- I. Targeted Retrofit Projects 2024
- J. Stewardship Grant Program
- K. Pioneer Park Stormwater Reuse
- L. Fish Creek Tributary Improvements
- M. Cottage Place Wetland Regeneration
- N. County Road C Culvert Replacement
- O. Kohlman Creek Flood Risk Reduction Projects: Final Design

CIP Project Repair and Maintenance

- P. Routine CIP Inspection and Unplanned Maintenance Identification
- Q. 2024 CIP Maintenance and Repairs Projects
- R. Beltline Mississippi Branch Outfall Replacement Project

Program Updates

- S. Natural Resources Program
- T. Public Involvement and Education Program
- U. Communications and Outreach Program

13. Manager Comments and Next Month's Meeting

14. **Adjourn**



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

NOTICE OF BOARD MEETING

Wednesday, August 7th, 2024

6:30 PM

Hybrid Meeting: In-Person and Web Conference

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

To access the meeting via webcast, please use this link: <https://us02web.zoom.us/j/87952654028>

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 **879 5265 4028**. The meeting password is **835155**. If you have any questions, please contact Tina Carstens at tina.carstens@rwmwd.org.



Consent Agenda





**Ramsey-Washington Metro Watershed District
Minutes of Regular Board Meeting
July 10, 2024**

The Regular Meeting of July 10, 2024, was held at the District Office Board Room, 2665 Noel Drive, Little Canada, Minnesota, and via Zoom web conferencing at 6:30 p.m. A video recording of the meeting can be found at <https://youtu.be/xaFV5J760Ns>. Video time stamps included after each agenda item in minutes.

PRESENT:

Val Eisele, President
Ben Karp, Vice President
Mark Gernes, Secretary

ABSENT:

Matt Kramer, Treasurer
Stephanie Wang, Manager

ALSO PRESENT

Staff:

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

Consultants:

Laurann Kirschner, Attorney for District
Erin Anderson Wenz, Barr Engineering
Jay Hawley, Barr Engineering
Marcy Bean, Barr Engineering

Visitors:

Stephan McLafferty, Shoreline Landscaping
Jodi Cremers, Woodland Hills Church
Janice Rohling, Woodland Hills Church

1. CALL TO ORDER

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

2. APPROVAL OF AGENDA (0:15)

President Eisele requested to add Resolution 24-02 Woodbury Target Stormwater Retrofit Change in Contractor as action item 7B.

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

Motion carried unanimously.

3. CONSENT AGENDA (1:37)

- A. Approval of Minutes from June 5, 2024
- B. Treasurer's Report and Bill List
- C. Permit Program
 - i. 24-34 Rice Street Crossing, Shoreview
- D. Stewardship Grant Program
 - i. 24-40 CS 2024 Lake Phalen Aquatic Vegetation Harvesting

President Eisele asked for more information on the training and education budget.

Tina Carstens explained that a lot of training happens in the fall and that is when the Board will see spending from that budget.

President Eisele asked for more information on the current status of the health and safety budget.

Tina Carstens explained that the District is working on updating the safety manual so there is more spending from that budget this year.

President Eisele requested that Target Stormwater Retrofit progress payment number three include an updated contract price when that time comes.

Manager Gernes requested more information on the disposal of plant materials for stewardship grant application 24-40 CS Lake Phalen Aquatic Vegetation Harvesting.

Ashlee Ricci explained that the DNR manages the disposal regulations and noted that this project also has a DNR permit. Ashlee stated that she would look into further details of the disposal process.

President Eisele asked for information on the moderate vulnerability drinking water supply management area in permit application 24-34 Rice Street Crossing and how that pertained to this particular permit.

Nicole Maras explained that there are certain areas in the District that are designated as drinking water supply management areas where extra care is needed regarding stormwater infiltration so as not to contaminate the drinking water supply. Nicole explained that MPCA manages the rules and regulations around the drinking water supply management areas and noted that it is sited in the permit for extra filtration and the high ground water levels. Nicole explained that this is something checked during the permit review process due to the MPCA's restrictions and prohibitions for stormwater infiltration near drinking water.

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

Motion carried unanimously.

4. VISITOR COMMENTS (7:59)

No comments.

5. PERMIT PROGRAM (8:32)

A. Applications

i. 24-35 Woodlane Drive Retaining Wall Removal, Woodbury

Nicole Maras provided a description of the project, noting that it was to remove and replace a failing retaining wall and adding a graded embankment to improve safety and stability. Nicole explained that a variance was requested for the compensatory storage requirement, Nicole explained the applicant was able to demonstrate the adjacent homes have adequate freeboard even with an increase (less than 0.01 ft) in the 100-year high water level and they were able to demonstrate through modeling that there was no peak flood elevation impacts downstream.

President Eisele stated that he appreciated the report. President Eisele questioned the comments stating some of the water could be held on the streets and questioned if the streets in this area flood periodically.

Nicole Maras stated that flooded streets were in the detailed modeling for existing conditions and that is how it behaves with the existing conditions. Nicole explained that modeling demonstrated no adverse flood impacts for both peak discharge and rise in high water levels downstream, noting road flooding would not be a new adverse flood condition as a result of this permit.

Motion: Manager Gernes moved, Manager Karp seconded, to approve permit 24-35 Woodland Dr Retaining Wall Removal, Woodbury with the variance.

Motion carried unanimously.

ii. 24-36 Cottage Place Wetland Restoration, Shoreview

Nicole Maras provided details on the permit request for Cottage Place project noting that it is triggering rule E for wetland disturbance. Nicole explained that the District will be working in the area creating new wetland and restoring the wetland buffer. Nicole stated that because the site is over one acre it is also triggering erosion and sediment control within the District's rules. Nicole explained that the variance request for wetland disturbance is included to accommodate the goal of the project which is to restore a wetland.

Manager Gernes questioned how the federal rule actions related to long eared bats and tree concerns would affect the scheduling of the project.

Erin Anderson Wenz explained that there have not been bats found at the location but it is an environment conducive to bats and because of that trees would not be removed until the fall, noting that removal can take place November 15 through April 1.

Manager Gernes noted that he did not see anything in regards to the contractor making sure their equipment is free of invasive species that could be tracked into the restoration site.

Erin Anderson Wenz stated that she would be able to check and see if that is something that is already included.

Motion: Manager Karp moved, Manager Gernes seconded to approve permit 24-36 Cottage Place Wetland Restoration, Shoreview with the variance.

Motion carried unanimously.

B. Monthly Enforcement Report

Nicole Maras provided a review of the enforcement report.

6. STEWARDSHIP GRANT PROGRAM (41:12)

A. Applications – See consent agenda

B. Budget Adjustment Request – 24-16 CS Woodland Hills Church

Paige Ahlberg provided history on the Woodland Hills Church project. Noting the current situation requiring a budget adjustment is something that hasn't been seen before. Paige explained that part of this project involves removing over an acre of impervious surface from the north side of the parking lot. Paige stated that a rain garden was incorporated in the plans for stormwater treatment as well as native plantings. Paige explained that once the contractor started excavating, multiple layers of pavement were found causing the project to be put on hold until more investigating could be done.

Marcy Bean provided more details on what the original plans entailed. Marcy stated that test pits were dug to get a better handle on the volume of materials found. Marcy went on to provide more details on how the pavement levels vary throughout the site, noting that it gets very deep in some locations.

Erin Anderson Wenz described the details of the original soil borings and explained what was found at that time and how it differs from what was found in other locations of the site during the current project work.

Marcy Bean stated that the reasoning for the deep layers of parking lot is unknown and that it was a choice that the former land owners had made at some point in time. Marcy explained there was another location on site where an unexpected concrete slab and concrete vault was located. Marcy provided more information on the investigation completed which included looking at aerial photos of the site and work completed at nearby locations.

Marcy Bean provided more detail on the vault that was found noting that the contractor did not enter the vault but was able to see visible pipes.

Stephan McLafferty explained that walls in the vault had been crushed or caved in so there wasn't a large void but there were iron and poly pipe visible but he could not tell what was inside of the vault due to the soil being pushed in.

Manager Gernes questioned if the vault could be related to the carwash that was potentially at the site and if finding that out would help understand if there are contaminate concerns.

Manager Karp stated that the unknowns in the request were his biggest concern. Manager Gernes stated that the request is for \$100,000 but the actual cost is unknown at this time.

Tina Carstens stated that the District would only pay for the work completed to a maximum amount of \$100,000.

Marcy Bean proceeded to provide details on the options available which included continuing the project as designed, putting the parking lot back, as well as looking for other opportunities to reduce paved areas. Marcy explained that more cost estimating would need to be done. Marcy stated that the church's preference is to not cover it again to be revisited in the future, such as has been happening. Marcy explained that the church would like to continue on with the current designs. Marcy provided different ideas on how to continue with the project and stated that she has been working with Stephan McLafferty on the numbers for what would need to be removed and the fill that would need to be brought in, assuming that everything is clean and can be disposed of. Marcy stated that the project is currently stalled until a path forward is found.

Managers expressed concern regarding the risk of contamination on the site.

Tina Carstens explained that the pits were dug down to the native clay soil and that dealing with the vault would be the church and contractors' responsibility as it is part of their project. Tina noted the district is involved to pay for the BMP and results and in order to get there is the District is willing to contribute more funds. Tina explained the decision on how to complete the project would be the landowner and contractor's responsibility.

President Eisele expressed concern that if more money is given and it turns out the project cannot be fully completed the District would be unable to recoup any funds if the project is only partially completed.

Tina Carstens explained that the funds are provided as reimbursement as the project is completed, noting that if the project is not complete there would not be funds to reimburse.

Paige Ahlberg stated that this project did get approval to pay the contractor ahead of time and noted that one payment had been made. Paige explained that the church has expressed commitment to completing this project as designed and that the work will be done to come up with the best plan moving forward.

Janice Rohling stated that she would have to discuss the potential contamination more with the church's board. Janice stated that the church would like to continue with the rain garden and explained they try to be as environmentally friendly as possible and with recent habit changes of their church patrons they are finding they no longer need the parking spaces. Jodie stated that if the problem area has to remain a parking lot they will still continue with the rain garden. Jodie stated that the church is excited to help model ways to cooperate with the environment and help with the

environmental issues facing the community. Janice stated the church hoped to become a demonstration to other churches of what can be done with unused parking areas.

Manager Karp stated that because the project has already started, the church is committed and there would be water quality improvement he is ok with the additional funding.

Manager Gernes stated he was comfortable with awarding the additional funds and sharing the burden. Manager Gernes did express some hesitancy and that there needed to be a serious discussion on assessing if the project design as originally envisioned is the best course forward even with the additional funding. Manager Gernes stated that he believed this was a great project and would vote yes to the additional \$100,000.

President Eisele stated that he would like more transparency and for the money to come with additional obligations where more updates on final designs are provided to make sure the BMP will be as effective.

Tina Carstens stated that District staff are partnering closely with the church and trusted that a solution would be found that met everyone's needs.

Motion: Manager Gernes moved, Manager Karp seconded to approve 24-16 CS Woodland Hills Church with additional information being provided throughout the redesign process.

Motion carried unanimously.

C. Budget Status Update

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

7. ACTION ITEMS

A. Beltline Mississippi River Branch Outfall Replacement Bid Award (1:31:50)

Erin Anderson Wenz provided details on the area of the project noting a sink hole was found in 2023 and design work has been completed on how to repair the damage. Erin explained the Barr Engineering's team designed the repairs and the project went out to bid. Erin stated that the low bidder came in a bit higher than Barr's estimated cost. Erin provided reasons for why the bids may have come in higher than the estimate including the increased water in the area. Erin stated that Minger Construction Co. Inc. is the lowest responsible bidder and is a company familiar to the District.

Motion: Manger Gernes moved, Manager Karp seconded to accept the bids and award the Beltline Mississippi River branch outfall replacement project to Minger Construction Co. Inc. Direct staff to prepare and mail the notice of award, prepare the agreements, and review the required submittals.

Motion carried unanimously.

B. Woodbury Target Store Stormwater Retrofit Project Change in Contractor (1:35:50)

Erin Anderson Wenz provided history on the project and the company awarded the project. Erin explained that the company was a newer, lesser known one, but after references were checked and the bid was reviewed there was nothing that warranted rejecting the low bid. Erin provided more details on what occurred with the project and explained that it became clear that the company was new to this kind of work. Erin detailed a critical day where structures were installed, noting that it was found the structures were not the right elevation and needed to be removed. Erin explained that at that point, the contractor indicated that they had lost confidence in their ability to complete the project.

Laurann Kirschner explained that options per the contract were to voluntarily terminate the contract either with everyone agreeing (terminating the contract "for convenience") or to terminate for cause. Laurann stated that the

termination for cause process is much more extensive and would have caused a greater delay to the project. Laurann explained that the best option was for the contractor to walk away from the project and for the district to put a new contractor in place. Laurann stated that there were discussions with the contractor's attorney to come up with a voluntary termination contract that was signed by both parties. Laurann explained that the contract included wording that this was a voluntary departure that released further claims by either party except for any omissions or acts by the contractor that result in future harm. Laurann stated that there are recommended payments including for materials purchased that can be used going forward.

Erin Anderson Wenz provided details on the materials on site that the new contractor will be able to use.

Manager Karp questioned if the completed work would change Peterson Companies bid.

Erin Anderson Wenz stated that Peterson Companies bid would be adjusted to the new scope of the project.

Laurann Kirschner provided details on the emergency statute that allowed for this to not go out for public bid again due to the concerns for property and safety. Laurann explained that Barr reached out to Peterson Companies based on the history they have with working on prior Target projects and they seemed like the wise choice.

Manager Karp questioned if Peterson Companies were the next lowest bid or if there were any in between.

Erin Anderson Wenz stated that they were not the next lowest bid. Erin explained that the reason that the District did not go with the next in line was due to the need for a well-known company with prior experience on similar sites who has current capacity that could get the project done as soon as possible.

Laurann Kirschner explained that because of the emergency situation the District had no responsibility to go with the next lowest bidder and it is separate from the initial bidding process.

Manager Gernes questioned if Peterson Companies would have any issues with the materials at the site.

Erin Anderson Wenz explained that if Peterson Companies found the materials suitable the District would pay for the materials and Peterson would complete the installation. Erin explained that the former contractor would not be paid for any materials that Barr or Peterson Companies rejected. Erin explained more details on the plan related to materials and how it would be purchased if more were needed. Erin stated that change orders will be coming to the board in the future. Erin explained that even with the potential increase in cost it is still on track to come in less than Barr's opinion of cost.

Manager Gernes questioned if this would cause any issues with budgeting.

Tina Carstens explained that the District had expected to pay more for this project and budgeted for the higher expected amount so there is enough room in the budget for any increased cost.

Motion: Manager Karp moved, Manager Gernes seconded to approve resolution 24-02.

Motion carried unanimously.

8. ATTORNEY REPORT (1:52:51)

Laurann Kirschner stated that it had been a busy month and provided an overview of tasks the attorney's office had been working on over the last month. This included helping navigate the contractor replacement for the Woodbury Target Stormwater Retrofit project and contract document review for the Cottage Place Wetlands project. Laurann also provided an update on the Fish Creek tributary easement appraisals, noting that she had received the appraisals documents and will be passing those along.

9. BOARD DISCUSSION TOPICS (1:54:05)

No comments.

10. NEW REPORTS AND/OR PRESENTATIONS (1:54:40)

A. South District (Non-Beltline) Flood Risk Resiliency Study Presentation – Jay Hawley, Barr Engineering

Erin Anderson Wenz provided an introduction to the presentation given by Barr Engineering staff, Jay Hawley. Erin gave an overview of Jay's experience working with the District noting his involvement with flood risk reduction work.

Jay Hawley started his presentation by providing an overview of the study, noting that he will discuss the model updates, evaluated system modifications, high level cost estimation and next steps. Jay explained that the study was a continuation of the Battle Creek/Fish Creek resiliency study, which focused on the northern two thirds of the watershed and this study continued to southern parts of the District. Jay stated that purpose of this study was to do a planning level look at the full system and find impacted structures and find projects that can be completed to remove those structures from the floodplain without purchasing them, as well as identifying big picture projects. Jay provided background on previous resiliency studies. Jay gave information on the updated District H&H models and provided details on the information that was updated. Jay continued on to explain once the flood prone structures were located categories were created, the first being District flood risk areas with District control or interest and the other for areas that have constrictions, municipality storm sewers that are far away from District projects and water bodies.

Jay stated that 29 structures were identified in the Battle Creek watershed and 4 structures in the Fish Creek/ Carver Lake watershed. Jay provided information on the locations of those structures. Jay reviewed the three main categories of modifications looked at to reduce the flood risk which were: store water, change direction of flow, and increase flow. Jay provided more details on the options available for those modifications including increasing storage in existing ponds, modifying storm sewer systems, increasing conveyance capacity, and providing flood-storage in parks or other existing open spaces. Jay highlighted potential system modifications at Battle Creek, noting that three projects are linked so all three would need to be completed in order. Jay provided more details on potential projects, noting that some could be completed as standalone projects. Jay continued to explain the potential projects identified and the details of those projects. Jay went on to provide details on the concept planning-level opinion of probable construction cost, noting that these cost estimates had not yet been updated and that would be done with more detail through feasibility studies. Jay provided more information on the next steps and prioritization suggestions.

President Eisele questioned if the flood risk findings would be brought to the cities where the risks exist.

Tina Carstens confirmed that the city specific information would be provided similar to what had been done with previous studies.

Erin Anderson Wenz stated that sharing the details will provide cities with information on local structures as well.

President Eisele stated that he was looking forward to see more information as planning takes place.

B. Kohlman Lake Internal Load Management Scope Summary (no presentation)

No comments.

C. Watershed Management Plan Scope Summary (no presentation)

No comments.

11. ADMINISTRATOR'S REPORT (2:18:09)

A. Meetings Attended

No comments.

B. Upcoming Meetings and Dates

Tina Carstens reviewed the upcoming meetings and dates.

C. Staff Anniversaries

No comments.

D. Board Action Log

No comments.

E. Minnesota Watersheds Updates

Manager Gernes provided information on the sessions he attended at the Minnesota Watersheds Summer Tour detailing the different projects and ideas that were discussed in those sessions.

F. 2025 Budget Planning Memo

No comments.

12. PROJECT AND PROGRAM STATUS REPORTS (2:27:14)

Project Feasibility Studies

- A. Ames Lake Area Flood Risk Reduction Planning Study
- B. Phalen Village Flood Risk Reduction
- C. Resiliency Study for Non-Beltline Tributary Areas
- D. Owasso Basin/North Start Estates Improvements
- E. Street Sweeping
- F. Maplewood Mall 2024 Assessment
- G. Payne-Phalen Natural Resources Inventory
- H. Watershed Approach to Retrofit Projects

Project Operations

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

Capital Improvements

- J. Woodbury Target Store Stormwater Retrofit Project
- K. Roosevelt Homes
- L. Targeted Retrofit Projects 2024
- M. Stewardship Grant Program
- N. Pioneer Park Stormwater Reuse

President Eisele requested more information on the next steps for this project.

Erin Anderson Wenz explained that the project is going well and they are waiting on submittals from the contractor as well as waiting on a timeline from Watertronics, who supply parts, pumps and treatments.

- O. Fish Creek Tributary Improvements
- P. Cottage Place Wetland Restoration
- Q. County Road C Culvert Project
- R. Kohlman Creek Flood Risk Reduction Projects: Final Design

CIP Project Repair and Maintenance

- S. Routine CIP Inspection and Unplanned Maintenance Identification
- T. 2024 CIP Maintenance and Repairs Project
- U. Beltline Mississippi Branch Outfall Replacement Project

Program Updates

- V. Natural Resources Program
- W. Public Involvement and Education Program
- X. Communications and Outreach Program

13. MANAGER COMMENTS AND NEXT MONTH'S MEETING (2:34:05)

No comments.

14. ADJOURN

Motion: Manager Gernes moved, Manager Karp seconded, to adjourn the meeting at 9:04 p.m. Motion carried unanimously.

DRAFT

RWMWD BUDGET STATUS REPORT

Administrative & Program Budget

Fiscal Year 2024

7/31/2024

Budget Category	Budget Item	Account Number	Original Budget	Budget Transfers	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per Diems	4355	\$7,000.00	-	-	-	\$7,000.00	0.00%
	Manager Expenses	4360	3,000.00	-	-	-	3,000.00	0.00%
Committees	Committee/Bd Mtg. Exp.	4365	4,000.00	-	59.00	662.26	3,337.74	16.56%
	Sub-Total: Managers/Committees:		\$14,000.00	\$0.00	59.00	662.26	\$13,337.74	4.73%
Employees	Staff Salary/Taxes/Benefits	4010	2,000,000.00	-	155,986.31	1,055,342.53	944,657.47	52.77%
	Employee Expenses	4020	10,000.00	-	573.18	6,679.16	3,320.84	66.79%
	District Training & Education	4350	75,000.00	-	549.04	17,300.19	57,699.81	23.07%
	Sub-Total: Employees:		\$2,085,000.00	\$0.00	157,108.53	1,079,321.88	\$1,005,678.12	51.77%
Administration/Office	Data Base/GIS Maintenance	4170	20,000.00	-	1,538.94	6,378.24	13,621.76	31.89%
	Office Equipment Maintenance	4305	2,000.00	-	-	-	2,000.00	0.00%
	Telephone	4310	2,000.00	-	201.38	1,517.59	482.41	75.88%
	Office Supplies	4320	7,000.00	-	1,742.18	4,271.80	2,728.20	61.03%
	Postage/Delivery	4330	2,000.00	-	-	690.08	1,309.92	34.50%
	Printing/Copying	4335	5,000.00	-	496.98	2,784.66	2,215.34	55.69%
	Dues & Publications	4338	17,000.00	-	-	13,395.00	3,605.00	78.79%
	Janitorial/Trash Service	4341	15,000.00	-	998.55	13,334.08	1,665.92	88.89%
	Utilities	4342	20,000.00	-	734.11	10,609.52	9,390.48	53.05%
	Building Maintenance	4343	100,000.00	-	854.52	14,683.51	85,316.49	14.68%
	Miscellaneous	4390	5,000.00	-	-	312.20	4,687.80	6.24%
	Insurance	4480	65,000.00	-	-	57,840.00	7,160.00	88.98%
	Office Equipment	4703	80,000.00	-	-	16,931.61	63,068.39	21.16%
	District Vehicles/Maintenance	4810-40	60,000.00	-	659.73	3,928.66	56,071.34	6.55%
	Metro INET	4325	100,000.00	-	8,162.30	58,245.48	41,754.52	58.25%
	Sub-Total: Administration/Office:		\$540,000.00	-	15,388.69	204,922.43	\$295,077.57	37.95%
Consultants/Outside Services	Auditor/Accounting	4110	80,000.00	-	3,040.00	51,567.65	28,432.35	64.46%
	Engineering-Administration	4121	122,000.00	-	9,034.00	56,367.36	65,632.64	46.20%
	Engineering-Permit I&E	4122	10,000.00	-	3,095.42	6,259.58	3,740.42	62.60%
	Engineering-Review	4123	75,000.00	-	3,383.00	32,999.19	42,000.81	44.00%
	Engineering-Permit Application Review	4124	65,000.00	-	4,290.00	43,374.00	21,626.00	66.73%
	Project Feasibility Studies	4129	260,000.00	-	14,619.70	87,094.67	172,905.33	33.50%
	Attorney-Permits	4130	5,000.00	-	-	-	5,000.00	0.00%
	Attorney-General	4131	40,000.00	-	2,080.00	16,852.20	23,147.80	42.13%
	Outside Consulting Services	4160	40,000.00	-	-	-	40,000.00	0.00%
	Sub-Total: Consultants/Outside Services:		\$697,000.00	\$0.00	39,542.12	294,514.65	\$402,485.35	42.25%
Programs	WMP/Lakes/TMDLs/Grants	4661	154,500.00	-	3,055.50	18,366.50	136,133.50	11.89%
	Natural Resources Program	4670	120,000.00	-	6,899.39	54,476.85	65,523.15	45.40%
	Water Monitoring Program	4520-30	285,000.00	-	48,788.21	260,688.99	24,311.01	91.47%
	Outside Program Support	4683	57,000.00	-	1,987.50	19,200.58	37,799.42	33.69%
	Research Projects	4695	150,000.00	-	258.00	52,095.50	97,904.50	34.73%
	Project Operations	4650	150,000.00	-	9,704.34	57,447.18	92,552.82	38.30%
	Communication/Outreach/Events	4371	166,000.00	-	9,222.65	115,802.90	50,197.10	69.76%
	Health and Safety Program	4697	4,000.00	-	928.52	6,253.78	(2,253.78)	156.34%
	Sub-Total: Programs:		\$1,086,500.00	\$0.00	80,844.11	584,332.28	\$502,167.72	53.78%
GENERAL FUND TOTAL			\$4,382,500.00	\$0.00	292,942.45	2,163,753.50	2,218,746.50	49.37%
CIP's	Project Repair & Maintenance	516	2,125,000.00	-	99,468.50	577,057.21	1,547,942.79	27.16%
	Targeted Retrofit Projects	518	1,950,000.00	-	18,903.98	194,065.55	1,755,934.45	9.95%
	Flood Risk Reduction Fund	520	5,400,000.00	-	8,626.78	163,017.83	5,236,982.17	3.02%
	Debt Services-Beltline/Maplewood Mall	526	394,963.00	-	89,000.15	392,957.80	2,005.20	99.49%
	Stewardship Grant Fund	529	1,250,000.00	-	54,545.71	349,424.46	900,575.54	27.95%
	Fish Creek Tributary Improvements	537	1,375,000.00	-	4,431.00	40,444.00	1,334,556.00	2.94%
	Wetland Restoration Projects	540	700,000.00	-	1,523.50	98,182.66	601,817.34	14.03%
CIP BUDGET TOTAL			\$13,194,963.00	-	276,499.62	1,815,149.51	\$11,379,813.49	13.76%
TOTAL BUDGET			\$17,577,463.00	\$0.00	569,442.07	3,978,903.01	\$13,598,559.99	22.64%

Current Fund Balances:

Fund:	Unaudited Beginning Fund Balance @ 12/31/23	Fund Transfers	Year to date Revenue	Current Month Expenses	Year to Date Expense	Unaudited Fund Balance @7/31/24
101 - General Fund	\$3,125,440.06	-	1,984,454.50	292,942.45	2,163,753.50	2,946,141.06
516 - Project Repair & Maintenance	872,232.70	-	553,422.65	99,468.50	577,057.21	848,598.14
518 - Targeted Retrofit Projects	476,410.31	-	358,192.38	18,903.98	194,065.55	640,537.14
520 - Flood Risk Reduction Fund	4,726,296.76	-	431,364.62	8,626.78	163,017.83	4,994,643.55
526 - Debt Services-Beltline/Maplewood Mall	407,575.04	-	123,069.43	89,000.15	392,957.80	137,686.67
529 - Stewardship Grant Fund	201,659.15	-	383,663.78	54,545.71	349,424.46	235,898.47
536 - Stormwater Impact Fund	1,336,819.50	-	84,053.00	31,593.79	284,090.54	1,136,781.96
537 - Fish Creek Tributary Improvements	121,092.62	-	238,863.64	4,431.00	40,444.00	319,512.26
540 - Wetland Restoration Projects	498,036.00	-	100,480.02	1,523.50	98,182.66	500,333.36
580 - Contingency Fund	1,215,487.00	-	-	-	-	1,215,487.00
Total District Fund Balance	\$12,981,049.14	\$0.00	\$ 4,257,564.02	\$ 601,035.86	\$4,262,993.55	\$12,975,619.61

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From July 1, 2024 to July 31, 2024

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	07/02/24	hea002	Aug-24	HealthPartners	Employee Benefits	\$15,069.00
EFT	07/01/24	met008	Jul-24	MetLife-Group Benefits	Employee Benefits	1,876.85
EFT	07/25/24	qwe001	Jul-24	CenturyLink	Project Operations	279.17
EFT	07/10/24	nsp001	Jul-24	Xcel Energy	Various	1,622.25
EFT	07/17/24	usb002	June 2024 Statement	U.S. Bank	Various	8,046.89
74668V	07/01/24	deb001	WF24	Deborah DeBellis	Communications/Outreach/Events	(110.00)
70297*	07/10/24	ber009	July 10, 2024	Bjorn Bergerson	Employee Expenses	37.96
74738	07/16/24	ada002	3920335	Adam's Pest Control, Inc.	Utilities/Building Services Contracts	94.72
74739	07/16/24	aws001	S1335957-070124	AWS Service Center	Utilities/Building Services Contracts	343.13
74740	07/16/24	haw001	6798129; 6800404	Hawkins, Inc.	Water Monitoring Program	6,633.02
74741	07/16/24	hom001	06/28/24	Home Depot Credit Services	Natural Resources Program	219.23
74742	07/16/24	kin001	060300019835	FedEx Office	Communications/Outreach/Events	20.38
74743	07/16/24	met004	INV2554335; INV2554336	Metro Sales, Inc.	Communications/Outreach/Events	328.30
74744	07/16/24	nat007	0120-14	Native Resource Preservation, LLC.	Stewardship Grant Program	5,535.64
74745	07/16/24	nep001	July 1, 2024	NCPERS Group Life Ins.	Employee Benefits	16.00
74746	07/16/24	pre003	310180259	Premium Waters, Inc.	Utilities/Building Services Contracts	34.00
74747	07/16/24	rkw001	23144	RK Wolfgang, Inc.	Communications/Outreach/Events	3,500.00
74748	07/16/24	rmb001	M2400118	RMB Environmental Laboratories	Water Monitoring Program	4,375.00
74749	07/16/24	sai001	4654	Saint Paul Media	Communications/Outreach/Events	100.00
74750	07/16/24	sar003	070424	Sandstrom Land Management	Construction Improvements/Project Maint & Rep	7,317.50
74751	07/16/24	stp004	06/15/2024	St. Paul East Parks Lions	Communications/Outreach/Events	545.00
74752	07/16/24	stu001	2019919	Studio Lola	Office Supplies	592.50
74753	07/16/24	usb005	532686912	US Bank Equipment Finance	Printing/Copier Lease	496.98
74754	07/16/24	vik001	3292104; 329103	Viking Industrial Center	Water Monitoring Program	228.00
74755	07/30/24	ahl001	Jul-24	Paige Ahlborg	Employee Benefits, Expenses	432.97
74756	07/30/24	att002	287256653401X07252024	AT & T Mobility - ROC	Project Operations	163.34
74757	07/30/24	bar001	June 22 to July 19, 2024	Barr Engineering	various	132,163.63
74758	07/30/24	bat002	P74682851	Batteries Plus Bulbs	Water Monitoring Program	54.50
74759	07/30/24	ben002	123313	Benefit Extras, Inc.	Employee Benefits	120.00
74760	07/30/24	ber009	Jul-24	Bjorn Bergerson	Employee Expenses	12.10
74761	07/30/24	car007	RWMWD_7_25_24	Carp Solutions, LLC	Natural Resources Program	6,600.00
74762	07/30/24	car010	18-11	Cara Builders, LLC	Escrow Refunds	16,260.00
74763	07/30/24	cit001	7/22/2024	City of Little Canada	Utilities/Building Services Contracts	262.26
74764	07/30/24	dav003	9000058647	Davey Resource Group, Inc.	Construction Improvements/Project Maint & Rep	10,389.66
74765	07/30/24	deb001	WF24-2nd Payment	Deborah DeBellis	Communications/Outreach/Events	110.00
74766	07/30/24	fir006	5884	First Response, Inc.	Health and Safety Program	700.00
74767	07/30/24	fit001	Progress Payment #6 FINAL	Fitzgerald Excavating & Trucking, Inc.	Construction Improvements/Project Maint & Rep	23,962.01
74768	07/30/24	fit002	Jul-24; 007	Mary Fitzgerald	Employee Benefits, Expenses	666.08
74769	07/30/24	fit003	Jul-24; 007	Emily F. Kamin	Employee Benefits, Expenses	490.00
74770	07/30/24	fle001	113463	Flemings Auto Service	Vehicle Maintenance	63.20
74771	07/30/24	gal001	7/25/2024	Galowitz Olson, PLLC	Attorney-General	5,482.50
74772	07/30/24	gou002	23-40 CS	Glenn Gourley	Stewardship Grant Program	4,297.45
74773	07/30/24	hac002	14103977	Hach Company	Water Monitoring Program	1,184.00
74774	07/30/24	haz001	7/23/2024	Lauren Hazenson	Employee Benefits, Expenses	266.39
74775	07/30/24	hod001	23-45 CS	Roberta Hodgins	Stewardship Grant Program	3,750.00
74776	07/30/24	hom001	7/28/2024	Home Depot Credit Services	Natural Resources Program	84.55
74777	07/30/24	int001	W24060536	Office of MN, IT Services	Telephone	59.38
74778	07/30/24	klo001	June-July 2024	Kendra L. Kloth	Employee Expenses	22.11
74779	07/30/24	kor001	Jul-24	Eric Korte	Employee Benefits, Expenses	229.00
74780	07/30/24	kub001	Jul-24	Kyle W. Kubitza	Employee Benefits, Expenses	62.51
74781	07/30/24	lan009	2651	Landbridge Ecological, Inc.	Construction Improvements/Project Maint & Rep	3,025.00
74782	07/30/24	mag004	1/1/24-7/23/24	Carrie Magnuson	Employee Benefits, Expenses	503.62
74783	07/30/24	mel001	June/July 2024	Michelle L. Melsler	Employee Benefits, Expenses	289.89
74784	07/30/24	mat012	2018	Metro-INET	Roseville IT Services/Web Site/Software/Licenses	8,211.00
74785	07/30/24	mey001	Jul-24	Sommer Meyer	Employee Expenses	10.39
74786	07/30/24	min008	Progress Payment #1	Minnesota Native Landscapes, Inc.	Construction Improvements/Project Maint & Rep	39,321.40
74787	07/30/24	min010	August 20, 2024	MN Public Facilities Authority	Loan Repayment	89,000.15
74788	07/30/24	pac001	Jul-24	Pace Analytical Services, Inc.	Water Monitoring Program	29,982.00
74789	07/30/24	pas002	Jul-24	Carol Passi	Employee Benefits, Expenses	95.43
74790	07/30/24	pet005	24-14 CS	Madeline Peterson	Stewardship Grant Program	2,665.00
74792*	07/30/24	red002	150488382	Redpath & Company, LLC.	Accounting	3,040.00
74793	07/30/24	rhi001	4385	Rhithron Associates, Inc.	Water Monitoring Program	1,800.00
74794	07/30/24	roc001	3154	Rock Leaf Water Environmental LLC	Construction Improvements/Project Maint & Rep	3,237.23
74795	07/30/24	seg001	24-01 CS	Pat Seger	Stewardship Grant Program	2,262.50
74796	07/30/24	sod001	Jul-24	Nicole Maras	Employee Benefits, Expenses	53.40
74797	07/30/24	sou003	24-25 CS	Southwind HOA	Stewardship Grant Program	2,993.50
74798	07/30/24	sti002	24-34 CS	Phillip Stien	Stewardship Grant Program	2,082.62
74799	07/30/24	stu001	2019919	Studio Lola	Office Supplies	592.50
74800	07/30/24	the003	19-36	The Luther Company, LLLP	Escrow Refunds	38,600.00
74801	07/30/24	til002	Jul-24	Joseph S. Tillotson	Employee Benefits, Expenses	54.34
74802	07/30/24	twi005	22-04	Twin Cities Housing Development Corp.	Escrow Refunds	7,770.00
74803	07/30/24	voy001	8692934232426	US Bank Voyager Fleet Sys.	Vehicle Fuel	479.36
74804	07/30/24	was002	6599	Washington Conservation District	Stewardship Grant Program	1,957.50
74805	07/30/24	wil007	Jul-24	Patrick D. Williamson	Employee Benefits, Expenses	79.53
74806	07/30/24	xce004	22-09	Xcel Energy	Escrow Refunds	1,880.00
74807	07/30/24	ram016	PRK-002374	Ramsey County	Stewardship Grant Program	23,107.50
Total						\$528,183.02

Ramsey Washington Metro Watershed Dist.
Check Register
For the Period From July 1, 2024 to July 31, 2024

Check #	Date	Payee ID	Invoice #	Payee	Description	Amount
EFT	07/05/24	myp001	07/05/24	July 5th Payroll	4110-101-000	90.85
EFT	07/19/24	myp001	07/19/24	July 19th Payroll	4110-101-000	90.85
Dir.Dep.	07/05/24	---	Payroll Expense-Net	July 5th Payroll	4010-101-000	39,109.88
EFT	07/05/24	int002	Internal Rev.Serv.	July 5th Federal Withholding	2001-101-000	13,747.20
EFT	07/05/24	mnd001	MN Revenue	July 5th State Withholding	2003-101-000	2,311.87
EFT	07/05/24	per001	PERA	July 5th PERA	2011-101-000	7,201.31
EFT	07/05/24	emp002	Empower Retirement	Employee Def. Comp. Contributions	2016-101-000	2,043.00
EFT	07/05/24	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	1,879.00
Dir.Dep.	07/19/24	---	Payroll Expense-Net	July 19th Payroll	4010-101-000	38,406.68
EFT	07/19/24	int002	Internal Rev.Serv.	July 19th Federal Withholding	2001-101-000	13,615.67
EFT	07/19/24	mnd001	MN Revenue	July 19th State Withholding	2003-101-000	2,302.93
EFT	07/19/24	per001	PERA	July 19th PERA	2011-101-000	7,201.31
EFT	07/19/24	emp002	Empower Retirement	Employee Def. Comp. Contributions	2016-101-000	2,043.00
EFT	07/19/24	emp002	Empower Retirement	Employee IRA Contributions	2018-101-000	1,879.00
Payroll/Benefits:						<u>\$131,922.55</u>
Total						Accounts Payable/Payroll/Benefits: <u>\$660,105.57</u>

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2024 to July 31, 2024

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
07/02/24	EFT	hea002	HealthPartners	4040-101-000	Employee Benefits	\$15,069.00	
07/01/24	EFT	met008	MetLife-Group Benefits	4040-101-000	Employee Benefits	1,876.85	
07/25/24	EFT	qwe001	CenturyLink	4650-101-000	Project Operations	279.17	
07/10/24	EFT	nsp001	Xcel Energy			1,622.25	
				4530-101-000	Water Monitoring Program		473.10
				4343-101-000	Building/Site Maintenance		854.52
				4650-520-000	Project Operations/Flood Damage Reduction		294.63
07/17/24	EFT	usb002	U.S. Bank			8,046.89	
				4530-101-000	Water Monitoring Program		202.27
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses		93.30
				4670-101-000	Natural Resources Program		8.95
				4697-101-000	Health and Safety Program		93.72
				4371-101-000	Communications/Outreach/Events		40.28
				4371-101-000	Communications/Outreach/Events		117.43
				4170-101-000	Database/GIS Maintenance		168.00
				4371-101-000	Communications/Outreach/Events		1,058.16
				4371-101-000	Communications/Outreach/Events		468.00
				4371-101-000	Communications/Outreach/Events		235.82
				4350-101-000	Water Monitoring Program		161.90
				4670-101-000	Natural Resources Program		39.75
				4350-101-000	Training & Education		374.14
				4697-101-000	Health and Safety Program		14.99
				4371-101-000	Communications/Outreach/Events		272.79
				4670-101-000	Natural Resources Program		51.96
				4371-101-000	Communications/Outreach/Events		300.00
				4697-101-000	Health and Safety Program		47.92
				4040-101-000	Employee Benefits		114.37
				4320-101-000	Office Supplies		139.00
				4170-101-000	Database/GIS Maintenance		1,117.58
				4670-101-000	Natural Resources Program		54.99
				4320-101-000	Office Supplies		418.18
				4170-101-000	Database/GIS Maintenance		250.00
				4697-101-000	Health and Safety Program		48.00
				4371-101-000	Communications/Outreach/Events		200.00
				4697-101-000	Health and Safety Program		23.89
				4371-101-000	Communications/Outreach/Events		200.00
				4371-101-000	Communications/Outreach/Events		48.00
				4371-101-000	Communications/Outreach/Events		45.00
				4670-101-000	Natural Resources Program		19.99
				4371-101-000	Communications/Outreach/Events		917.77
				4530-101-000	Water Monitoring Program		88.94
				4371-101-000	Communications/Outreach/Events		291.91
				4371-101-000	Communications/Outreach/Events		258.84
				4371-101-000	Communications/Outreach/Events		34.14
				4341-101-000	Janitorial/Trash/Plowing/Sweeping		23.55
				4170-101-000	Database/GIS Maintenance		3.36

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2024 to July 31, 2024

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
07/01/24	74668V	deb001	Deborah DeBellis	4371-101-000	Communications/Outreach/Events	(110.00)	
07/10/24	70297*	ber009	Bjorn Bergerson	4020-101-000	Employee Expenses	37.96	
07/16/24	74738	ada002	Adam's Pest Control, Inc.	4342-101-000	Utilities/Building Services Contracts	94.72	
07/16/24	74739	aws001	AWS Service Center	4342-101-000	Utilities/Building Services Contracts	343.13	
07/16/24	74740	haw001	Hawkins, Inc.	4530-101-000	Water Monitoring Program	6,633.02	
07/16/24	74741	hom001	Home Depot Credit Services			219.23	
				4670-101-000	Natural Resources Program		87.65
				4530-101-000	Water Monitoring Program		31.87
				4371-101-000	Communications/Outreach/Events		99.71
07/16/24	74742	kin001	FedEx Office	4371-101-000	Communications/Outreach/Events	20.38	
07/16/24	74743	met004	Metro Sales, Inc.	4371-101-000	Communications/Outreach/Events	328.30	
07/16/24	74744	nat007	Native Resource Preservation, LLC.	4682-529-000	Stewardship Grant Program	5,535.64	
07/16/24	74745	ncp001	NCPERS Group Life Ins.	4040-101-000	Employee Benefits	16.00	
07/16/24	74746	pre003	Premium Waters, Inc.	4342-101-000	Utilities/Building Services Contracts	34.00	
07/16/24	74747	rkw001	RK Wolfgang, Inc.	4371-101-000	Communications/Outreach/Events	3,500.00	
07/16/24	74748	rmb001	RMB Environmental Laboratories	4530-101-000	Water Monitoring Program	4,375.00	
07/16/24	74749	sai001	Saint Paul Media	4371-101-000	Communications/Outreach/Events	100.00	
07/16/24	74750	san003	Sandstrom Land Management	4630-516-000	Construction Improvements/Project Maint & Rep	7,317.50	
07/16/24	74751	stp004	St. Paul East Parks Lions	4371-101-000	Communications/Outreach/Events	545.00	
07/16/24	74752	stu001	Studio Lola	4320-101-000	Office Supplies	592.50	
07/16/24	74753	usb005	US Bank Equipment Finance	4335-101-000	Printing/Copier Lease	496.98	
07/16/24	74754	vik001	Viking Industrial Center	4530-101-000	Water Monitoring Program	228.00	
74755	07/30/24	ahl001	Paige Ahlborg			432.97	
				4020-101	Employee Expenses		\$261.88
				4830-101	Vehicle Fuel		\$117.17
				4040-101	Employee Benefits		\$53.92
74756	07/30/24	att002	AT & T Mobility - ROC	4650-101-000	Project Operations	163.34	
74757	07/30/24	bar001	Barr Engineering			132,163.63	
				4121-101-000	Engineering Admin		9,034.00
				4123-101-000	Engineering Review		3,383.00
				4128-520-000	Engineering -Flood Damage		2,548.00
				4129-101-000	Project Feasability		3,675.50
				4129-101-000	Project Feasability		583.00
				4129-101-000	Project Feasability		1,182.00
				4129-101-000	Project Feasability		964.00
				4129-101-000	Project Feasability		3,088.50
				4129-101-000	Project Feasability		96.50
				4129-101-000	Project Feasability		5,030.20
				4520-101-000	WQM-Engineering		1,710.00
				4520-101-000	WQM-Engineering		768.00
				4520-101-000	WQM-Engineering		1,066.56
				4122-101-000	Permit Application I & E		3,095.42
				4124-101-000	Eng. Permit Review		4,290.00
				4661-101-000	SLMP/TMDL Studies		2,980.50
				4661-101-000	SLMP/TMDL Studies		75.00

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2024 to July 31, 2024

Date	Check #	Vendor ID	Name	Account ID	Description	Amount
				4695-101-000	Research Projects	43.00
				4695-101-000	Research Projects	215.00
				4650-101-000	Project Operations	139.50
				4650-101-000	Project Operations	9,122.33
				4128-518-000	Engineering -Targeted Retrofit	31,593.79
				4128-518-000	Engineering -Targeted Retrofit	8,095.09
				4128-518-000	Engineering -Targeted Retrofit	5,000.39
				4682-529-000	Stewardship Grant Program	8,024.00
				4128-520-000	Engineering -Flood Damage	78.00
				4128-518-000	Engineering -Targeted Retrofit	2,406.00
				4129-537-000	Driveway Fish Creek Tributary	4,431.00
				4128-518-000	Engineering -Targeted Retrofit	1,523.50
				4128-520-000	Engineering -Flood Damage	3,537.65
				4128-520-000	Engineering -Flood Damage	2,168.50
				4128-516-000	Eng. Projects-Maint & Repair	5,020.70
				4128-516-000	Eng. Projects-Maint & Repair	2,565.00
				4128-516-000	Eng. Projects-Maint & Repair	4,630.00
74758	07/30/24	bat002	Battteries Plus Bulbs	4530-101-000	Water Monitoring Program	54.50
74759	07/30/24	ben002	Benefit Extras, Inc.	4040-101-000	Employee Benefits	120.00
74760	07/30/24	ber009	Bjorn Bergerson	4020-101-000	Employee Expenses	12.10
74761	07/30/24	car007	Carp Solutions, LLC	4670-101-000	Natural Resources Program	6,600.00
74762	07/30/24	car010	Cara Builders, LLC	2024-101-000	Escrow Refunds	16,260.00
74763	07/30/24	cit001	City of Little Canada	4342-101-000	Utilities/Building Services Contracts	262.26
74764	07/30/24	dav003	Davey Resource Group, Inc.	4630-516-000	Construction Improvements/Project Maint & Rep	10,389.66
74765	07/30/24	deb001	Deborah DeBellis	4371-101-000	Communications/Outreach/Events	110.00
74766	07/30/24	fir006	First Response, Inc.	4684-101-000	Health and Safety Program	700.00
74767	07/30/24	fit001	Fitzgerald Excavating & Trucking, Inc.	4630-516-000	Construction Improvements/Project Maint & Rep	23,962.01
74768	07/30/24	fit002	Mary Fitzgerald			666.08
				4040-101-000	Employee Benefits	112.94
				4020-101-000	Employee Expenses	28.14
				4341-101-000	Janitorial/Trash/Plowing/Sweeping	525.00
74769	07/30/24	fit003	Emily F. Kamin			490.00
				4040-101-000	Employee Benefits	40.00
				4341-101-000	Janitorial/Trash/Plowing/Sweeping	450.00
74770	07/30/24	fle001	Flemings Auto Service	4830-101-000	Vehicle Maintenance	63.20
74771	07/30/24	gal001	Galowitz Olson, PLLC			5,482.50
				4131-101-000	Attorney-General	2,080.00
				4131-518-000	Attorney-Targeted Retrofit Projects	3,402.50
74772	07/30/24	gou002	Glenn Gourley	4682-529-000	Stewardship Grant Program	4,297.45
74773	07/30/24	hac002	Hach Company	4530-101-000	Water Monitoring Program	1,184.00
74774	07/30/24	haz001	Lauren Hazenson	4040-101-000	Employee Benefits	266.39
74775	07/30/24	hod001	Roberta Hodgins	4682-529-000	Stewardship Grant Program	3,750.00
74776	07/30/24	hom001	Home Depot Credit Services			84.55
				4670-101-000	Natural Resources Program	36.10
				4530-101-000	Water Monitoring Program	48.45
74777	07/30/24	int001	Office of MN, IT Services	4310-101-000	Telephone	59.38

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2024 to July 31, 2024

Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
74778	07/30/24	klo001	Kendra L. Kloth	4020-101-000	Employee Expenses	22.11	
74779	07/30/24	kor001	Eric Korte	4040-101-000	Employee Benefits	229.00	
74780	07/30/24	kub001	Kyle W. Kubitza			62.51	
				4020-101-000	Employee Expenses		22.51
				4040-101-000	Employee Benefits		40.00
74781	07/30/24	lan009	Landbridge Ecological, Inc.	4630-516-000	Construction Improvements/Project Maint & Rep	3,025.00	
74782	07/30/24	mag004	Carrie Magnuson			503.62	
				4040-101-000	Employee Benefits		280.00
				4020-101-000	Employee Expenses		35.38
				4365-101-000	Committee/Board Meeting Expenses		59.00
				4371-101-000	Communications/Outreach/Events		129.24
74783	07/30/24	mel001	Michelle L. Melser			289.89	
				4020-101-000	Employee Expenses		44.89
				4040-101-000	Employee Benefits		245.00
74784	07/30/24	met012	Metro-INET			8,211.00	
				4325-101-000	Roseville IT Services/Web Site/Software/Licenses		8,069.00
				4310-101-000	Telephone		142.00
74785	07/30/24	mey001	Sommer Meyer	4020-101-000	Employee Expenses	10.39	
74786	07/30/24	min008	Minnesota Native Landscapes, Inc.	4630-516-000	Construction Improvements/Project Maint & Rep	39,321.40	
74787	07/30/24	min010	MN Public Facilities Authority	4700-526-000	Loan Repayment	89,000.15	
74788	07/30/24	pac001	Pace Analytical Services, Inc.	4530-101-000	Water Monitoring Program	29,982.00	
74789	07/30/24	pas002	Carol Passi			95.43	
				4040-101-000	Employee Benefits		40.00
				4371-101-000	Communications/Outreach/Events		11.88
				4020-101-000	Employee Expenses		43.55
74790	07/30/24	pet005	Madeline Peterson	4682-529-000	Stewardship Grant Program	2,665.00	
74792*	07/30/24	red002	Redpath & Company, LLC.	4110-101-000	Accounting	3,040.00	
74793	07/30/24	rhi001	Rhithron Associates, Inc.	4530-101-000	Water Monitoring Program	1,800.00	
74794	07/30/24	roc001	Rock Leaf Water Environmental LLC	4630-516-000	Construction Improvements/Project Maint & Rep	3,237.23	
74795	07/30/24	seg001	Pat Seger	4682-529-000	Stewardship Grant Program	2,262.50	
74796	07/30/24	sod001	Nicole Maras			53.40	
				4020-101-000	Employee Expenses		13.40
				4040-101-000	Employee Benefits		40.00
74797	07/30/24	sou003	Southwind HOA	4682-529-000	Stewardship Grant Program	2,993.50	
74798	07/30/24	sti002	Phillip Stien	4682-529-000	Stewardship Grant Program	2,082.62	
74799	07/30/24	stu001	Studio Lola	4320-101-000	Office Supplies	592.50	
74800	07/30/24	the003	The Luther Company, LLLP	2024-101-000	Escrow Refunds	38,600.00	
74801	07/30/24	til002	Joseph S. Tillotson			54.34	
				4040-101-000	Employee Benefits		40.00
				4020-101-000	Employee Expenses		1.34
				4350-101-000	Training & Education		13.00
74802	07/30/24	twi005	Twin Cities Housing Development Corp.	2024-101-000	Escrow Refunds	7,770.00	
74803	07/30/24	voy001	US Bank Voyager Fleet Sys.	4830-101-000	Vehicle Fuel	479.36	
74804	07/30/24	was002	Washington Conservation District	4682-529-000	Stewardship Grant Program	1,957.50	

Ramsey Washington Metro Watershed Dist.
Cash Disbursements Journal
For the Period From July 1, 2024 to July 31, 2024


Date	Check #	Vendor ID	Name	Account ID	Description	Amount	
74805	07/30/24	wil007	Patrick D. Williamson			79.53	
				4020-101-000	Employee Expenses		39.53
				4040-101-000	Employee Benefits		40.00
74806	07/30/24	xce004	Xcel Energy	2024-101-000	Escrow Refunds	1,880.00	
74807	07/30/24	ram016	Ramsey County			23,107.50	
				4682-529-000	Stewardship Grant Program		21,120.00
				4684-101-000	Cooperative Weed Management Program		1,987.50
Total						\$528,183.02	
07/05/24	EFT	myp001	July 5th Payroll	4110-101-000	July 5th Payroll	90.85	
07/19/24	EFT	myp001	July 19th Payroll	4110-101-000	July 19th Payroll	90.85	
07/05/24	Dir.Dep.	---	July 5th Payroll	4010-101-000	July 5th Payroll	39,109.88	
07/05/24	EFT	int002	July 5th Federal Withholding	2001-101-000	July 5th Federal Withholding	13,747.20	
07/05/24	EFT	mnd001	July 5th State Withholding	2003-101-000	July 5th State Withholding	2,311.87	
07/05/24	EFT	per001	July 5th PERA	2011-101-000	July 5th PERA	7,201.31	
07/05/24	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	2,043.00	
07/05/24	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	1,879.00	
07/19/24	Dir.Dep.	---	July 19th Payroll	4010-101-000	July 19th Payroll	38,406.68	
07/19/24	EFT	int002	July 19th Federal Withholding	2001-101-000	July 19th Federal Withholding	13,615.67	
07/19/24	EFT	mnd001	July 19th State Withholding	2003-101-000	July 19th State Withholding	2,302.93	
07/19/24	EFT	per001	July 19th PERA	2011-101-000	July 19th PERA	7,201.31	
07/19/24	EFT	emp002	Employee Def. Comp. Contributions	2016-101-000	Employee Def. Comp. Contributions	2,043.00	
07/19/24	EFT	emp002	Employee IRA Contributions	2018-101-000	Employee IRA Contributions	1,879.00	
Payroll/Benefits:						\$131,922.55	
Total						\$660,105.57	
Accounts Payable/Payroll/Benefits:						\$660,105.57	



**Summary of Professional Engineering Services During the Period
June 22 through July 19, 2024**

	Total Engineering Budget (2024)	Total Fees to Date (2024)	Budget Balance (2024)	Fees During Period	District Accounting Code	Plan Implementation Task Number
Engineering Administration						
General Engineering Administration	\$92,000.00	\$56,367.36	\$35,632.64	\$9,034.00	4121-101	DW-13
RWMWD Health and Safety/ERTK Program (Training)	\$2,000.00	\$936.00	\$1,064.00	\$0.00	4697-101	DW-13
RWMWD Health and Safety Manual Update	\$5,000.00	\$4,603.50	\$396.50	\$0.00	4350-101	DW-13
Education Assistance	\$30,000.00	\$4,280.50	\$25,719.50	\$3,675.50	4129-101	DW-13
Engineering Review						
Engineering Review	\$75,000.00	\$32,999.19	\$42,000.81	\$3,383.00	4123-101	DW-13
Project Feasibility Studies						
Resiliency Study for non-Beltline tributary areas (pre-planning study and evaluation of existing data)	\$45,000.00	\$61,024.50	-\$16,024.50	\$2,548.00	4128-520	DW-9
Kohlman Creek Flood Damage Reduction Feasibility Study	\$5,000.00	\$3,520.00	\$1,480.00	\$0.00	4129-101	DW-9, KC-2
Owasso Basin/North Star Estates Improvements Feasibility Study	\$10,000.00	\$6,040.00	\$3,960.00	\$0.00	4129-101	GC-3
Phalen Village Improvements	\$10,000.00	\$13,800.65	-\$3,800.65	\$583.00	4129-101	DW-9
Evaluate compliance with South Metro Mississippi River TSS TMDL	\$20,000.00	\$70.00	\$19,930.00	\$0.00	4129-101	MR-2
Street Sweeping	\$20,000.00	\$10,972.50	\$9,027.50	\$1,182.00	4129-101	DW-6, DW-15
Retrofit Inventory	\$60,000.00	\$19,814.72	\$40,185.28	\$964.00	4129-101	DW-17, DW-20
Tanners, Battle Creek Lake, McKnight Basin outlet operation plan	\$35,000.00	\$3,755.50	\$31,244.50	\$3,088.50	4129-101	DW-9
Ames Lake Feasibility Study	\$5,000.00	\$977.50	\$4,022.50	\$96.50	4129-101	DW-9, BELT-1
Interim Emergency Response Plans	\$5,000.00	\$585.00	\$4,415.00	\$0.00	4129-101	DW-9
Maplewood Mall 2024 Assessment	\$20,000.00	\$29,724.30	-\$9,724.30	\$5,030.20	4129-101	DW-5, DW-12
Resiliency Study for non-Beltline tributary areas - feasibility studies placeholder	\$50,000.00	\$0.00	\$50,000.00	\$0.00	4129-101	DW-9
Contingency*	\$20,000.00	\$0.00	\$20,000.00	\$0.00	4129-101	
GIS Maintenance						
GIS Maintenance	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4170-101	DW-13
Monitoring Water Quality/Project Monitoring						
Lake Water Quality Monitoring (Misc QA/QC)	\$10,000.00	\$269.50	\$9,730.50	\$0.00	4520-101	DW-2
Annual WQ Report Assistance	\$20,000.00	\$17,556.50	\$2,443.50	\$1,710.00	4520-101	DW-2
Special Project BMP Monitoring	\$30,000.00	\$6,865.00	\$23,135.00	\$768.00	4520-101	DW-12
Grass Lake Berm Wetland Monitoring	\$15,000.00	\$6,144.94	\$8,855.06	\$1,066.56	4520-101	DW-5, DW-8
Battle Creek Monitoring to address TMDL	\$15,000.00	\$2,615.00	\$12,385.00	\$0.00	4520-101	DW-1, DW-2
Battle Creek Monitoring to address TMDL (Barr Staff doing the monitoring)	\$15,000.00	\$0.00	\$15,000.00	\$0.00	4520-101	DW-1, DW-2
Permit Processing, Inspection and Enforcement						
Permit Application Inspection and Enforcement	\$10,000.00	\$6,259.58	\$3,740.42	\$3,095.42	4122-101	DW-7
Permit Application Review	\$65,000.00	\$43,374.00	\$21,626.00	\$4,290.00	4124-101	DW-7
Watershed Management Plan Update						
Stakeholder Engagement	\$20,000.00	\$0.00	\$20,000.00	\$0.00	4661-101	DW-21
Gaps Analysis/WMP Update Scoping	\$10,000.00	\$4,805.50	\$5,194.50	\$2,980.50	4661-101	DW-13, DW-20
Ecosystem Restoration Plan (or "Ecosystem Health Action Plan")	\$50,000.00	\$0.00	\$50,000.00	\$0.00	4661-101	DW-8, DW-14
Lake Studies/TMDL Reports						
West Vadnais Lake Incorporation	\$15,000.00	\$0.00	\$15,000.00	\$0.00	4661-101	DW-2
2024 Grant Applications	\$20,000.00	\$13,561.00	\$6,439.00	\$75.00	4661-101	DW-13
Prioritization of water quality projects from subwatershed feasibility studies	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4661-101	DW-20
Carver Ponds Internal Load Reduction	\$12,000.00	\$0.00	\$12,000.00	\$0.00	4661-101	DW-12
Contingency for Lake Studies	\$22,500.00	\$0.00	\$22,500.00	\$0.00	4661-101	
Research Projects						
New Technology Mini Case Studies (average 6 per year)	\$15,000.00	\$11,547.50	\$3,452.50	\$43.00	4695-101	DW-12
Kohlman Lake Aquatic Plant Management Effects Study	\$20,000.00	\$34,867.50	-\$14,867.50	\$215.00	4695-101	DW-12
Shallow Lake Aeration Study Finalization	\$5,000.00	\$3,480.50	\$1,519.50	\$0.00	4695-101	DW-12
Project Operations						
2024 Tanners Alum Facility Monitoring	\$17,000.00	\$14,402.95	\$2,597.05	\$139.50	4650-101	Tal-3
Phalen/Keller and Twin Operations Support & Communications	\$5,000.00	\$0.00	\$5,000.00	\$0.00	4650-101	DW-5, DW-13, DW-18
Lake Level Station Operation and Maintenance	\$50,000.00	\$39,415.74	\$10,584.26	\$9,122.33	4650-101	DW-5, DW-18
Capital Improvements						
Woodbury Target	\$193,200.00	\$243,544.85	-\$50,344.85	\$31,593.79	4128-518	DW-6
Roosevelt Homes	\$33,600.00	\$43,572.70	-\$9,972.70	\$8,095.09	4128-518	DW-6, DW-9
Targeted Retrofit Projects 2024	\$150,000.00	\$18,881.89	\$131,118.11	\$5,000.39	4128-518	DW-6
Stewardship Grant Program	\$75,000.00	\$24,015.80	\$50,984.20	\$8,024.00	4682-529	DW-6
Owasso Basin Flood Risk Reduction	\$200,000.00	\$13,937.77	\$186,062.23	\$78.00	4128-520	GC-3
Pioneer Park Stormwater Reuse	\$50,000.00	\$20,034.37	\$29,965.63	\$2,406.00	4128-518	DW-6
Double Driveway and Fish Creek Tributary Improvements	\$150,000.00	\$116,353.95	\$33,646.05	\$4,431.00	4129-537	FC-2
Cottage Place Wetland	\$113,800.00	\$98,182.66	\$15,617.34	\$1,523.50	4128-518	DW-6, DW-8, DW-14, LE-2, LE-3
Ames Lake improvements	\$250,000.00	\$0.00	\$250,000.00	\$0.00	4128-520	DW-9, BELT-1
PCU Pond improvements	\$150,000.00	\$0.00	\$150,000.00	\$0.00	4128-520	DW-9, KC-2
County Road C culvert capacity	\$50,000.00	\$62,784.77	-\$12,784.77	\$3,537.65	4128-520	DW-9, KC-2
Lake Emily Subwatershed BMP	\$175,800.00	\$195,256.55	-\$19,456.55	\$0.00	4128-518	LE-3
Kohlman Creek Storage and Detention	\$150,000.00	\$11,959.50	\$138,040.50	\$2,168.50	4128-520	DW-9, KC-2
CIP Project Repair & Maintenance						
Routine CIP Inspection and Unplanned Maintenance Identification	\$125,000.00	\$37,722.94	\$87,277.06	\$5,020.70	4128-516	DW-5
2024 CIP Maintenance and Repairs	\$106,500.00	\$73,472.13	\$33,027.87	\$2,565.00	4128-516	DW-5
Beltline long-term fix near river outfall	\$250,000.00	\$167,050.91	\$82,949.09	\$4,630.00	4128-516	BELT-2

Barr declares under the penalties of Law that this Account, **\$132,163.63**
Claim, or Demand is just and that no part has been paid.


 Bradley J. Lindaman, Vice President

2024 Capital Improvement Project (CIP) Progress Payment Number 6 (final)

1.0	Total Completed Through This Period:	<u>\$251,240.20</u>	
2.0	Total Completed Previously Completed:		<u>\$239,240.20</u>
3.0	Total Completed This Period:		<u>\$12,000.00</u>
4.0	Amount Previously Retained:		<u>\$11,962.01</u>
5.0	Amount Retained This Period:		<u>\$0.00</u>
6.0	Total Amount Retained:		<u>\$11,962.01</u>
7.0	Retainage Released Through This Period:		<u>\$11,962.01</u>
8.0	Total Retainage Remaining:		<u>\$0.00</u>
9.0	Amounts Previously Paid:	<u>\$227,278.19</u>	
10.0	Amount Due This Estimate:		<u><u>\$23,962.01</u></u>

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

SUBMITTED BY:

Name: Jason Fitzgerald Date: 7-23-2024
 Title: President
 Contractor: Fitzgerald Excavating Inc.

Signature: 

RECOMMENDED BY:

Name: Brad Lindaman Date: 7/23/2024
 Title: Project Engineer
 Engineer: Barr Engineering Company

Signature: 

APPROVED BY:

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

Signature: _____

2024 Capital Improvement Project (CIP)
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 23rd, 2024 for Progress Payment Number 6 (final)

Item	Description	Unit	Estimated Quantity	Unit Price	Extension	(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
						Quantity	Amount	Quantity	Amount	Quantity	Amount
General											
A	Mobilization/Demobilization	L.S.	1	\$60,000.00	\$60,000.00	1.00	\$60,000.00	1.00	\$60,000.00	0.00	\$0.00
B	Control of Water	L.S.	1	\$2,000.00	\$2,000.00	1.00	\$2,000.00	1.00	\$2,000.00	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)											
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	Ton	92	\$30.00	\$2,760.00	92	\$2,760.00	92	\$2,760.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	100	\$2.00	\$200.00	100	\$200.00	100	\$200.00	0	\$0.00
F	Sediment Log (9-Inch Diameter)	L.F.	60	\$2.00	\$120.00	0	\$0.00	0	\$0.00	0	\$0.00
G	Paver Sweeping	S.Y.	1,400	\$5.00	\$7,000.00	1,400	\$7,000.00	1,400	\$7,000.00	0	\$0.00
Site 2 - Lower Afton Road, Maplewood (Drainageway Sediment Removal)											
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	Ton	127	\$30.00	\$3,810.00	85	\$2,550.00	85	\$2,550.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	100	\$2.00	\$200.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 3 - West Vadnais Lake, Little Canada (Maintenance Ramp)											
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	50	\$2.00	\$100.00	0	\$0.00	0	\$0.00	0	\$0.00
H	Boat Ramp (Precast Concrete Planks, Rock, Grading, Geotextile Filter Fabric)	L.S.	1	\$35,000.00	\$35,000.00	1	\$35,000.00	1	\$35,000.00	0	\$0.00
I	Floating Silt Curtain	L.F.	100	\$17.00	\$1,700.00	50	\$850.00	50	\$850.00	0	\$0.00
K	Clearing and Grubbing	L.S.	1	\$1,000.00	\$1,000.00	1	\$1,000.00	1	\$1,000.00	0	\$0.00
L	Sediment/Muck Excavation, Loading Hauling, and Disposal of Unregulated Material)	Ton	20	\$30.00	\$600.00	30	\$900.00	30	\$900.00	0	\$0.00
V	Bollard Access Gate and Sign (with Chain Loops and 20 feet of 3/8" Galvaniz	L.S.	1	\$4,000.00	\$4,000.00	1	\$4,000.00	1	\$4,000.00	0	\$0.00
Site 4 - Grass Lake, Little Canada (Maintenance Ramp)											
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	380	\$2.00	\$760.00	630	\$1,260.00	630	\$1,260.00	0	\$0.00
F	Sediment Log (9-Inch Diameter)	L.F.	200	\$2.00	\$400.00	205	\$410.00	205	\$410.00	0	\$0.00
H	Boat Ramp (Precast Concrete Planks, Rock, Grading, Geotextile Filter Fabric)	L.S.	1	\$30,000.00	\$30,000.00	1	\$30,000.00	1	\$30,000.00	0	\$0.00
I	Floating Silt Curtain	L.F.	90	\$17.00	\$1,530.00	50	\$850.00	50	\$850.00	0	\$0.00
N	Sediment/Muck/Vegetation Excavation with On-Site Disposal	L.S.	1	\$3,000.00	\$3,000.00	1	\$3,000.00	1	\$3,000.00	0	\$0.00
W	Ramsey County Parks Entry Gate	L.S.	1	\$9,000.00	\$9,000.00	1	\$9,000.00	1	\$9,000.00	0	\$0.00
Site 5 - Kohlman Basin, Maplewood (Weirs Upflow Treatment System)											
M	Place Existing Stockpiled CC17 Material (12 cuyd)	L.S.	1	\$1,000.00	\$1,000.00	1	\$1,000.00	1	\$1,000.00	0	\$0.00
Q	Install PVC Boards on Weir - 12"x0.5"x11.5' (18)	L.F.	215	\$15.00	\$3,225.00	265	\$3,975.00	265	\$3,975.00	0	\$0.00
R	Import and Place CC17 Limerock Material	Ton	30	\$70.00	\$2,100.00	25	\$1,778.00	25	\$1,778.00	0	\$0.00

2024 Capital Improvement Project (CIP)
Ramsey-Washington Metro Watershed District
Summary of Work Completed Through July 23rd, 2024 for Progress Payment Number 6 (final)

Item	Description	Unit	Estimated Quantity	Unit Price	Extension	(1) Total Completed Through This Period		(2) Total Completed Previous Period		(3) Total Completed This Period	
						Quantity	Amount	Quantity	Amount	Quantity	Amount
Site 6 - White Bear Ave, Maplewood (Splash Block Replacement)											
S	Remove Existing Splashblock Assembly	Each	3	\$1,000.00	\$3,000.00	3	\$3,000.00	3	\$3,000.00	0	\$0.00
U	Repair Existing Splash Block Assembly	S.F.	160	\$35.00	\$5,600.00	160	\$5,600.00	160	\$5,600.00	0	\$0.00
T	Install Rain Guardian Turret	Each	3	\$4,000.00	\$12,000.00	3	\$12,000.00	0	\$0.00	3	\$12,000.00
Site 7 - Rice Street, Little Canada (Rice Street Cattail Cleanout)											
L	Sediment/Muck and Vegetation Cleanout, West Vadnais Lake Channel (Unregulated Fill Disposal Off Site)	L.S.	1	\$1,500.00	\$1,500.00	1	\$1,500.00	1	\$1,500.00	0	\$0.00
J	Floating Silt Curtain	L.F.	120	\$17.00	\$2,040.00	0	\$0.00	0	\$0.00	0	\$0.00
E	Site restoration (Seeding and Erosion Control Blanket)	S.Y.	60	\$2.00	\$120.00	0	\$0.00	0	\$0.00	0	\$0.00
Site 8 - Arlington Pond, Maplewood (Arlington Pond)											
D	Sediment/Muck Cleanout Excavation, Loading, Hauling and Disposal of Regulated Material (SRV Level 2 and 3)	Ton	1300	\$30.00	\$39,000.00	841	\$25,230.00	841	\$25,230.00	0	\$0.00
E	Site Restoration (Seeding and Erosion Control Blanket)	S.Y.	350	\$2.00	\$700.00	1,483	\$2,966.00	1,483	\$2,966.00	0	\$0.00
F	Sediment Log (9-Inch Diameter)	L.F.	20	\$2.00	\$40.00	0	\$0.00	0	\$0.00	0	\$0.00
I	Floating Silt Curtain	L.F.	80	\$17.00	\$1,360.00	0	\$0.00	0	\$0.00	0	\$0.00
J	Construction Entrance	Each	1	\$500.00	\$500.00	1	\$500.00	1	\$500.00	0	\$0.00
P	Inlet Protection	Each	1	\$150.00	\$150.00	0	\$0.00	0	\$0.00	0	\$0.00
O	MN/DOT Class III Riprap (Field Stone) with Geotextile Filter Fabric	Ton	30	\$90.00	\$2,700.00	0	\$0.00	0	\$0.00	0	\$0.00
Contract Base Extensions =						\$240,215.00	\$220,329.00	\$208,329.00	\$12,000.00		
Change Order 1											
C.O.1.A	Site 8, F&I Fence and Gate	L.S.	1	\$30,461.20	\$30,461.20	1	\$30,461.20	1	\$30,461.20	0	\$0.00
C.O.1.B	Site 4, F&I Imported Black Dirt for Restoration	Load	1	\$450.00	\$450.00	1	\$450.00	1	\$450.00	0	\$0.00
Change Order Extensions =						\$30,911.20	\$30,911.20	\$30,911.20	\$0.00		
Contract Grand Total =						\$271,126.20	\$251,240.20	\$239,240.20	\$12,000.00		

ROOSEVELT HOMES PHASE 2
RAMSEY-WASHINGTON METRO WATERSHED DISTRICT
Progress Payment Application No. 1

1. Completed to Date:	<u>\$ 42,204.62</u>	
2. Less Previously Billed:	<u>\$ -</u>	
3. Amount Completed This Period:		<u>\$ 42,204.62</u>
4. Amount Previously Retained:	<u>\$ -</u>	
5. Amount Retained This Period (See Note 1):		<u>\$ (2,883.21)</u>
6. Total Amount Retained (See Note 2):	<u>\$ (2,883.21)</u>	
7. Retainage Released Through This Period:		<u>\$ -</u>
8. Less Total Retainage Remaining:	<u>\$ (2,883.21)</u>	
Less Amounts Previously Paid		
9. (Pay Application Nos. _)	<u>\$ -</u>	
10. Amount Due This Period:		<u>\$ 39,321.40</u>

Note 1: At rate of 10% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter. Maximum amount is 5% of current Contract Price (Original Contract Price is \$57,664.25)

Note 2: Maximum amount is 5% of current Contract Price (Original Contract Price is \$57,664.25)

SUBMITTED BY:

Name: Charlie Sawdey Date: 7/17/24
Title: Project Manager
Contractor: MNL

Signature: 

RECOMMENDED BY:

Name: Marcy Bean Date: 7/17/2024
Title: Project Manager
Engineer: Barr Engineering Company

Signature: 

APPROVED BY:

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

Signature:

ROOSEVELT HOMES PHASE 2 RESTORATION

CONSTRUCTION CONTRACT AMOUNT FOR PROGRESS PAYMENT

				BID TOTAL		7/17/2024		
						TOTAL COMPLETED THROUGH THIS PERIOD		
Bid Item	Description	Unit	Estimated Quantity	Unit Price	Extended Cost	Unit Price	Actual Quantity*	Extended Cost
A	Mobilization	LS	1	\$ 7,217.89	\$ 7,217.89	\$ 7,217.00	1	\$ 7,217.00
B	Traffic and Pedestrian Safety Control Measures	LS	1	\$ 1,788.53	\$ 1,788.53	\$ 1,788.53	1	\$ 1,788.53
C	Erosion and Sediment Control	LS	1	\$ 3,999.37	\$ 3,999.37	\$ 3,999.37	1	\$ 3,999.37
D	Tree Protection Fencing (P)	LF	1,155	\$ 3.67	\$ 4,238.85	\$ 3.637	1,155	\$ 4,200.74
E	Erosion Control Blanket (Type 45)	SY	690	\$ 3.22	\$ 2,221.80	\$ 3.22	690	\$ 2,221.80
F	Erosion Control Blanket (Category 20 2S Straw)	SY	1,761	\$ 2.27	\$ 3,997.47	\$ 2.27	1,761	\$ 3,997.47
G	Herbicide Application	AC	1.3	\$ 1,000.00	\$ 1,300.00	\$ 1,000.00	1.3	\$ 1,300.00
H	Bee Lawn Seed Mix	AC	0.36	\$ 3,389.53	\$ 1,220.23	\$ 3,389.53	0.36	\$ 1,220.23
I	Custom Native Seed Mix with Cover Crop	AC	1.25	\$ 4,113.30	\$ 5,141.63	\$ 4,113.30	0	\$ -
J	Herbaceous Plugs	EA	4,255	\$ 3.89	\$ 16,551.95	\$ 3.89	3,155	\$ 12,272.95
K	Shrubs	EA	19	\$ 97.03	\$ 1,843.57	\$ 97.03	19	\$ 1,843.57
L	Hardwood Mulch (P)	CY	12	\$ 128.58	\$ 1,542.96	\$ 128.58	12	\$ 1,542.96
M	Vegetation Establishment and Maintenance - Years 1-2	EA	2	\$ 3,300.00	\$ 6,600.00	\$ 3,300.00	0	\$ -
FIELD ORDER 1	Cleanup native planting bed at Boys and Girls Club	LS	1			\$ 300.00	1	\$ 300.00
FIELD ORDER 2	Re-placement of rocks in smaller basin to retaining wall	LS	1			\$ 300.00	1	\$ 300.00
	TOTAL			BID TOTAL	\$57,664.25	TOTAL (PAY APPLICATION #1)		\$42,204.62

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

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 25, 2024
File No: 9M

	Balance
General Account	\$1,830.00
FISH CREEK PROJECT	\$250.00
Woodbury Target 24097	\$3,402.50
	<u>\$5,482.50</u>

Permit Application Coversheet

Date August 07, 2024

Project Name 3M Building 209 Demolition

Project Number 24-38

Applicant Name Bob Krussow, 3M

Type of Development Grading

Property Description

This project is located at the 3M campus on the northeast corner of McKnight Road and Innovation Boulevard in the City of Maplewood. The applicant is proposing to demolish an existing building and associated parking lot. The area will be restored to vegetative cover and will decrease impervious on the site by almost 10 acres. Due to some minor reconstruction of nearby sidewalk, the applicant is proposing to deduct 599 cubic feet in available volume reduction banked credits for the 0.15 acre impervious area that is being proposed. The total site area is 11.3 acres.

Watershed District Policies or Standards Involved:

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

Water Quantity Considerations

The proposed plans are sufficient to handle the runoff from the site.

Water Quality Considerations

Short Term

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

Long Term

There proposed plans are sufficient to protect the long term quality of downstream water resources.

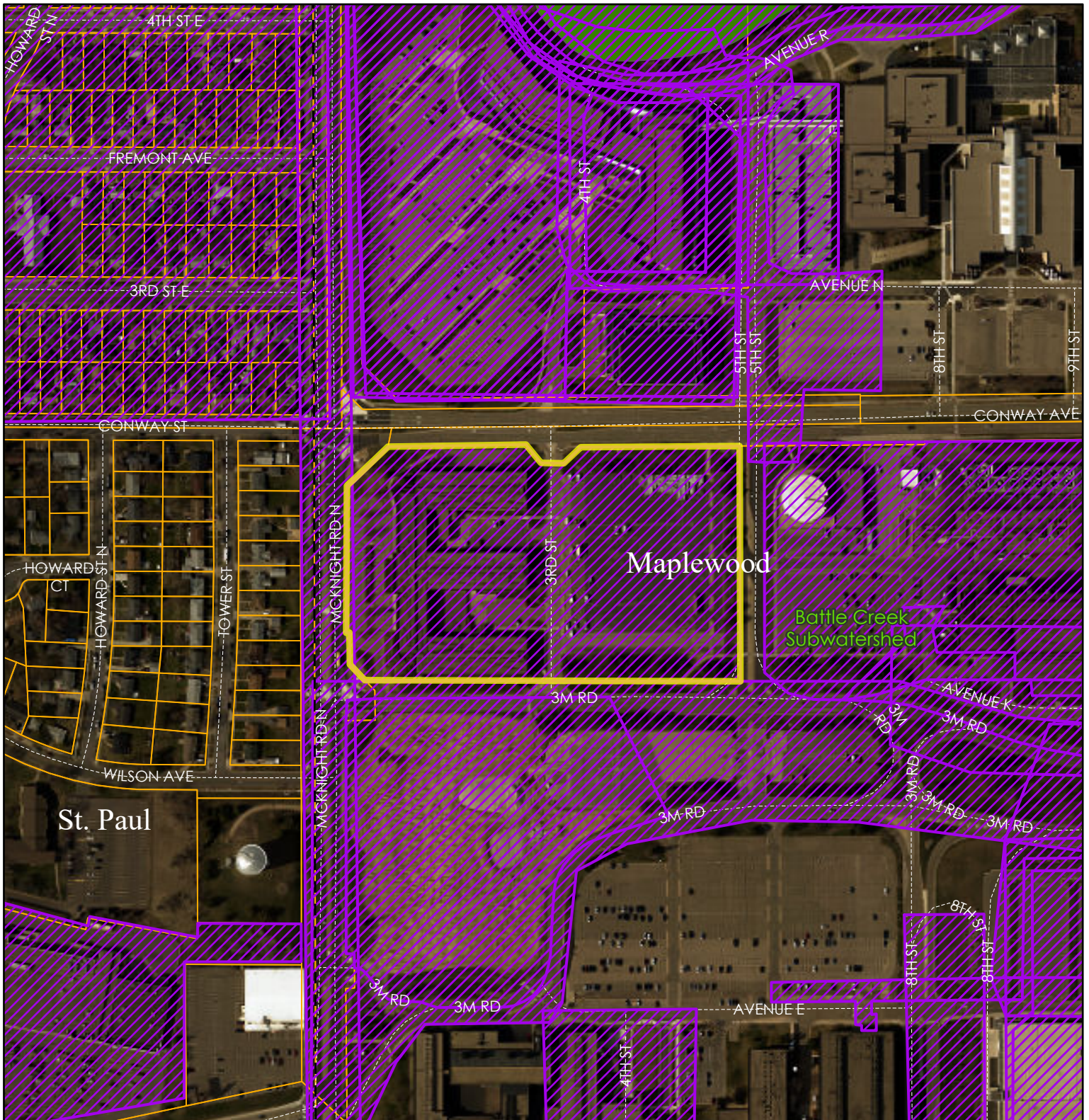
Staff Recommendation

Staff recommends approval of this permit with the special provision.

Attachments:

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

#24-38 3M Building 209 Demolition



Wetlands

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

- Roads
- Permits
- Cities
- Subwatersheds
- Ramsey Co Parcels
- RWMWD Boundary

Shaded area is outside RWMWD

Highlighted Areas
Represent Active Permit

0 0.05 0.1 Miles

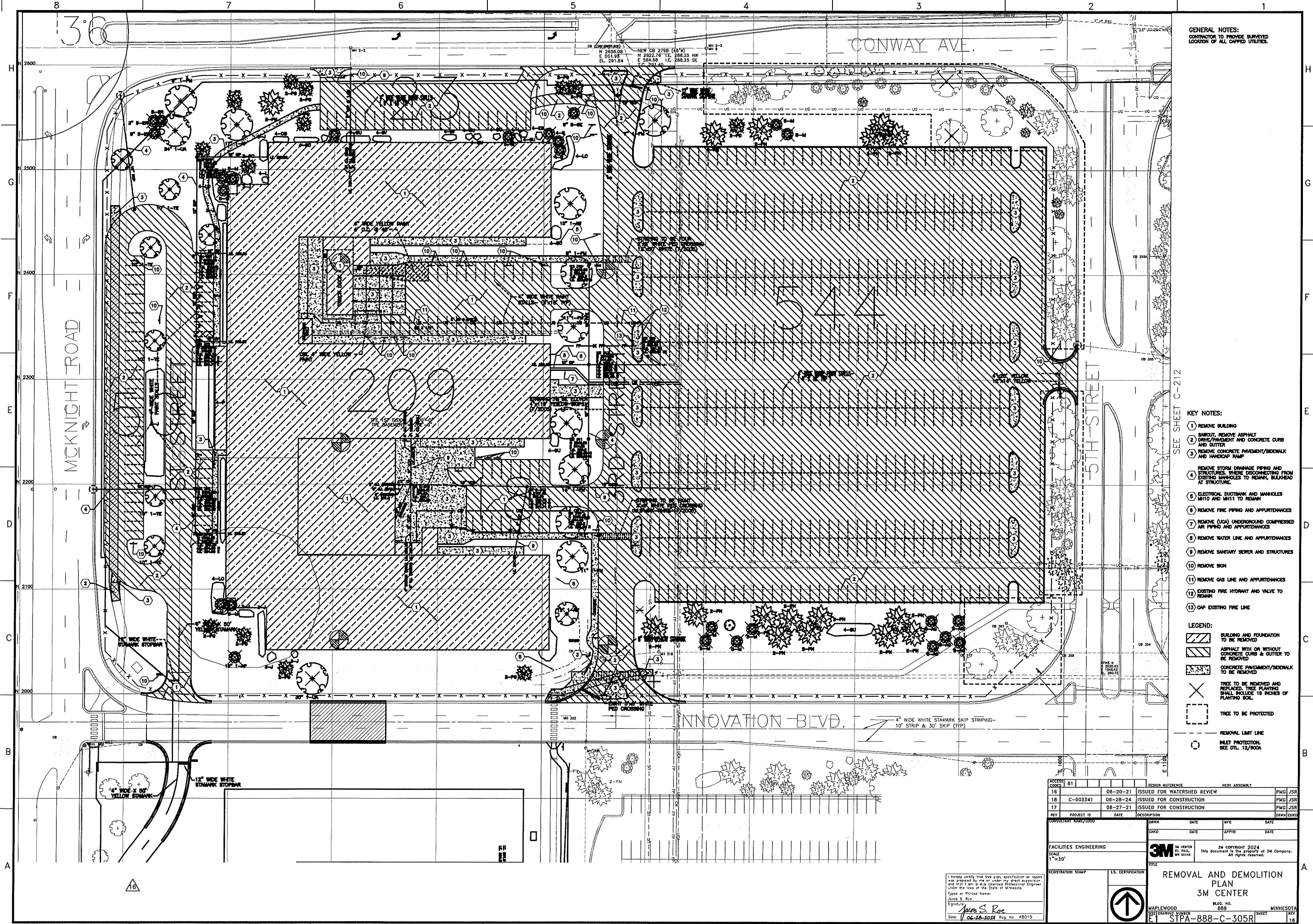
0 325 650 US Feet

N

24-38

Special Provisions

1. The applicant shall submit the \$22,600 escrow payment.



GENERAL NOTES:
 CONTRACTOR TO PROVIDE SURVEYED
 LOCATION OF ALL CAPPED UTILITIES.

- KEY NOTES:
- 1 REMOVE BUILDING AND STRUCTURES WHERE DISCONNECTING FROM EXISTING MANHOLES TO REMAIN BULKHEAD AT STRUCTURE.
 - 2 REMOVE STORM DRAINAGE PIPING AND STRUCTURES WHERE DISCONNECTING FROM EXISTING MANHOLES TO REMAIN BULKHEAD AT STRUCTURE.
 - 3 REMOVE CONCRETE PAVEMENT/SIDWALK AND HANDICAP RAMP.
 - 4 REMOVE STORM DRAINAGE PIPING AND STRUCTURES WHERE DISCONNECTING FROM EXISTING MANHOLES TO REMAIN BULKHEAD AT STRUCTURE.
 - 5 ELECTRICAL DUCTBANK AND MANHOLES M110 AND M111 TO REMAIN.
 - 6 REMOVE FIRE PIPING AND APPURTENANCES.
 - 7 REMOVE (UG) UNDERGROUND COMPRESSED AIR PIPING AND APPURTENANCES.
 - 8 REMOVE WATER LINE AND APPURTENANCES.
 - 9 REMOVE SANITARY SEWER AND STRUCTURES.
 - 10 REMOVE SIGN.
 - 11 REMOVE GAS LINE AND APPURTENANCES.
 - 12 EXISTING FIRE HYDRANT AND VALVE TO REMAIN.
 - 13 OAP EXISTING FIRE LINE.

- LEGEND:
- BUILDING AND FOUNDATION TO BE REMOVED
 - ASPHALT WITH OR WITHOUT CONCRETE CURB & OUTER TO BE REMOVED
 - CONCRETE PAVEMENT/SIDWALK TO BE REMOVED
 - TREE TO BE REMOVED AND REPLACED. TREE PLANTING SHALL INCLUDE 18 INCHES OF PLANTING SOIL.
 - TREE TO BE PROTECTED
 - REMOVAL LIMIT LINE
 - INLET PROTECTION. SEE DET. 12/800A

SEE SHEET C-212

REVISION	DATE	DESCRIPTION	BY	CHECKED
16	08-20-21	ISSUED FOR WATERSHED REVIEW	PMG JSR	
18	08-28-24	ISSUED FOR CONSTRUCTION	PMG JSR	
17	08-27-21	ISSUED FOR CONSTRUCTION	PMG JSR	
REV	PROJECT ID	DATE	DESCRIPTION	BY
CONSULTANT NAME/LOGO	DATE	MFG	DATE	
FACILITIES ENGINEERING	3M CENTER 3M CENTER ST. PAUL, MN 55144	3M COPYRIGHT 2024 This document is the property of 3M Company. All rights reserved.		
SCALE 1"=50'				
REGISTRATION STAMP	LS. CERTIFICATION	TITLE		
		REMOVAL AND DEMOLITION PLAN 3M CENTER		
		MAPLEWOOD 888 ST. PAUL, MN 55144	MINNESOTA REG. NO. 48015	

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.
 Type or Printed Name:
 Jacob S. Rice
 Signature:

 Date: 06-12-2024 Reg. No. 48015

Stewardship Grant Application Summary

Project Name: Rabeaa

Application Number: 24-36 CS

Board Meeting Date: 8/7/2024

Applicant Name: Magdy Rabeaa

Residential

Commercial/Government

Project Overview:

This project is located off Evergreen Draw in the City of Woodbury. The applicant is proposing to install a native planting area and pervious paver patio. The applicant installed two rain gardens and a native plant area in 2011. The current native planting area was proposed as a rain garden in 2011, but due to site conditions (soil type and utilities), a rain garden was not feasible. The past project was approved as grant #11-35 CS for \$2,500.

The native planting area is eligible for 50% coverage and the pervious pavers are eligible for 75% coverage up to a total of \$12,500.

BMP type(s):

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

Grant Request:

\$12,500.00

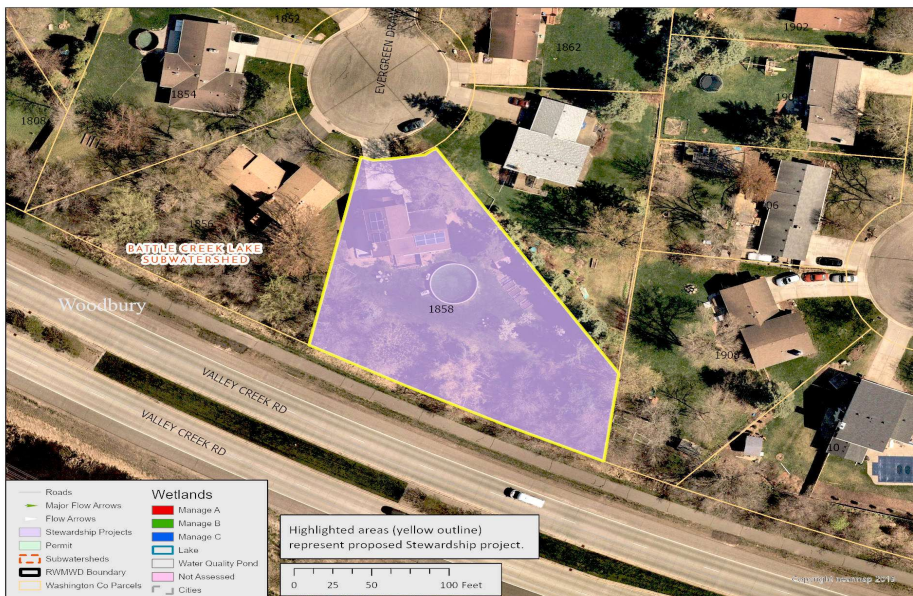
Recommendation:

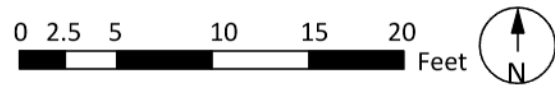
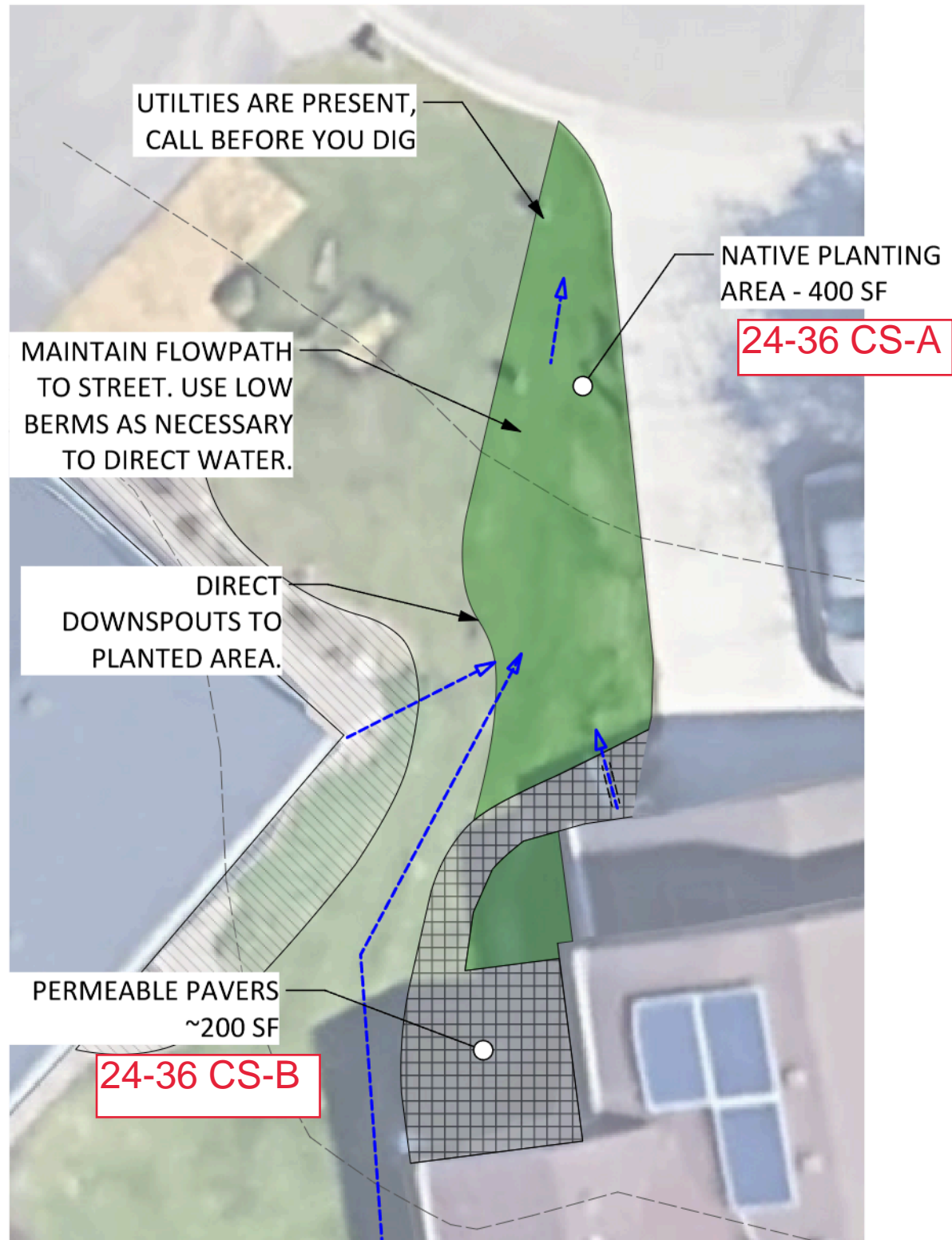
Staff recommends approval of this application.

Subwatershed:

Battle Creek Lake

Location Maps:





PROJECT SUMMARY:

This project is a native planting and permeable paving project near Tamarack Nature Preserve. Project scope includes removing turf, adding pavers and replanting with natives. The native plantings will help to improve the infiltration of the soil and reduce runoff.

Proposed Practices:

- 400 SF Native Planting
- 200 SF Permeable Pavers

plan created by:



455 Hayward Ave N
Oakdale, MN 55128
(651) 330-8220
www.mnwcd.org



2665 Noel Drive - Little Canada, MN 55117
(651) 792-7950 www.rwmwd.org

Project Address
Magdy Rabeea
1858 Evergreen Draw
Woodbury, MN 55125

Project Designer
Lori Tella

Project Title

Native Planting Project

Sheet Title

Project Overview

CAD File Name PLAN Rabeea, Magby 04.05.24.vwx
Revision LT
Drawn By AN
Reviewed By
Date

Scale
Sheet No.

1
of
2

Stewardship Grant Application Summary

Project Name: Pham

Application Number: 24-38 CS

Board Meeting Date: 8/7/2024

Applicant Name: Cuong Pham

Residential

Commercial/Government

Project Overview:

This project is located off Twin Lake Ct on the northeast side of Twin Lake in the City of Little Canada. The applicant is proposing to install two native buffer plantings. One of the planting areas is along a creek that connects into Twin Lake on the west side of the property. The other planting area is along the existing lake shoreline.

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

BMP type(s):

Native Buffer(2)

Grant Request:

\$15,000.00

Recommendation:

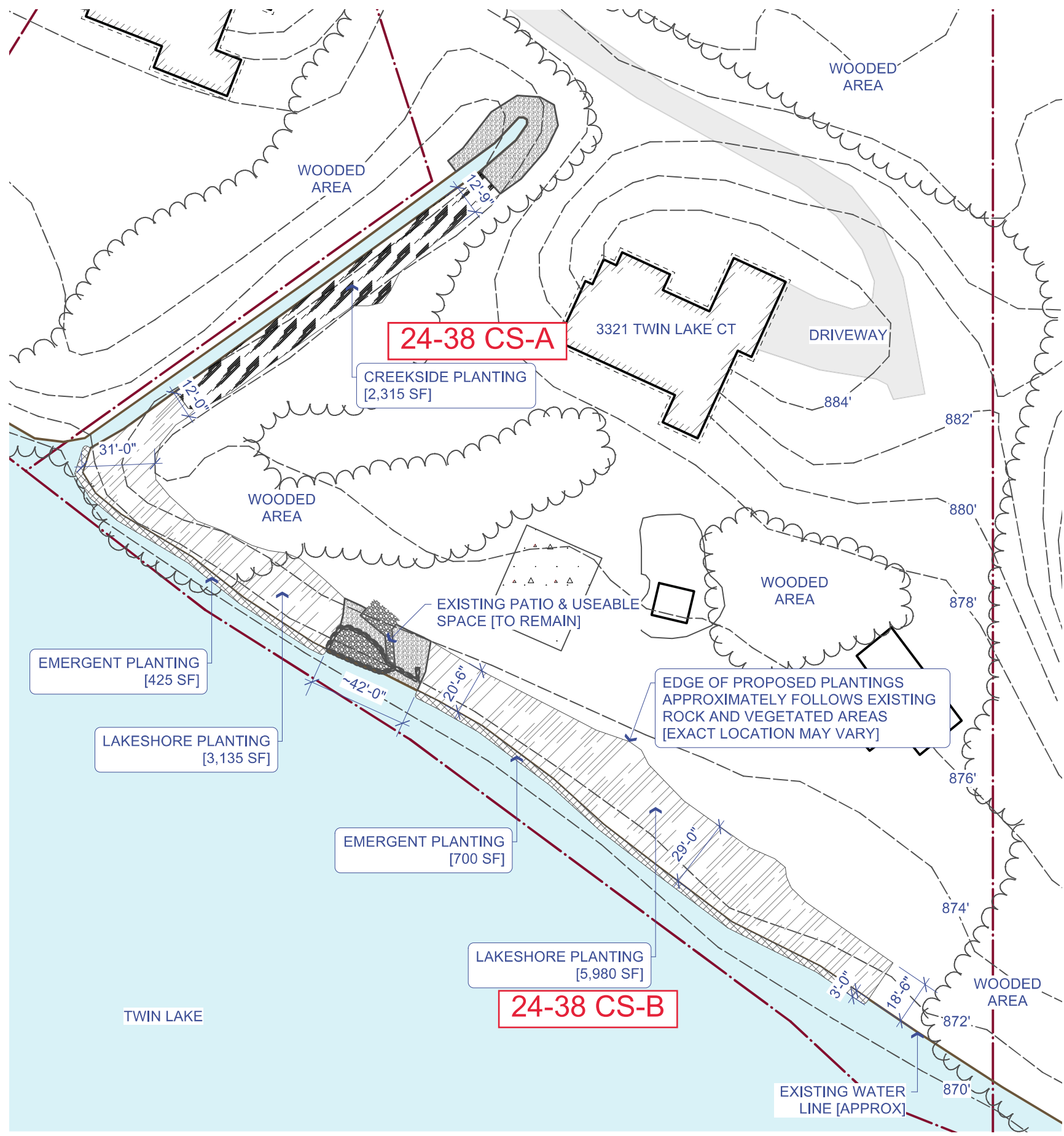
Staff recommends approval of this application.

Subwatershed:

Twin Lake

Location Maps:





NATIVE PLANTING NOTES:

1. PROJECT LAYOUT, TOTAL AREA, AND MATERIALS MAY VARY WITH RCSWCD STAFF APPROVAL. VERIFY FINAL LAYOUT WITH LANDOWNER PRIOR TO HERBICIDE APPLICATION AND PROJECT INSTALLATION.
2. ONCE EXISTING ROCK, PLASTIC, & VEGETATION IS EFFECTIVELY REMOVED, PREP PLANTING AREAS FOR NATIVE SEED & PLUG INSTALLATION. REMOVE EXCESS VEGETATION OR DEBRIS, ETC. ENSURE ALL COMPETING VEGETATION IS ADEQUATELY ELIMINATED AND PLANTING AREA IS PREPPED FOR PROPER SOIL TO SEED CONTACT. CONTRACTOR TO PROVIDE FINAL SITE PREP RECOMMENDATIONS WITHIN BID FOR PROJECT.
3. INSTALL NATIVE SEED MIXE THROUGHOUT LAKESHORE & CREEKSIDE PLANTING AREAS AS SHOWN ON PLAN. SAMPLE SEED MIXES ARE PROVIDED ON SHEET L200. CONTRACTOR TO SUBMIT FINAL SEED MIXES FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION.
4. LAKESHORE & CREEKSIDE PLANTING ZONES TO RECIEVE BOTH NATIVE SEED INSTALLATION & LIVE PLANT INSTALLATION. EMERGENT ZONE TO RECEIVE ONLY LIVE PLANT INSTALLATION.
5. ALL SEED SHALL BE HAND BROADCAST TWICE OVER FOR PROPER DISTRIBUTION, WITH SECOND BROADCAST PERPENDICULAR TO THE FIRST ROUTE.
6. ALL SEEDED AREAS SHALL BE HAND-RAKED.
7. INSTALL NATURAL EROSION CONTROL BLANKET OVER ENTIRE PROPOSED PLANTING AREAS. MUST BE NATURAL FIBER BLANKET, NO PHOTO BIODEGRADABLE BLANKET ALLOWED. C125BN OR S75BN OR BIOMAT 60 EROSION CONTROL BLANKET OR APPROVED EQUIVALENT. BARE SOILS OR AREAS SUCCEPTIBLE TO EROSION SHALL BE STABILIZED WITH BLANKET WITHIN 24 HOURS OF SEEDING. [EXACT LAYOUT/SIZE OF EROSION BLANKET AREAS MAY VARY, SITE VERIFY]
8. PLANT NATIVE PERENNIAL SPECIES LIVE PLANTS THROUGHOUT LAKESHORE, EMERGENT & CREEKSIDE PLANTING AREAS. SEE PLANTING DETAILS AND INSTRUCTIONS ON SHEET L200.
9. PLANT TREE & SHRUB SPECIES THROUGHOUT LAKESHORE PLANTING AREA PER NOTES & DETAILS ON SHEET L200.
10. PLANT SHRUB SPECIES THROUGHOUT CREEKSIDE PLANTING AREA PER NOTES & DETAILS ON SHEET L200.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PERMANTENT/TEMPORARY EROSION CONTROL MEASURES UNTIL SEEDED VEGETATION HAS PROPERLY GERMINATED/BEEEN APPROVED FOR PROJECT CLOSEOUT.
12. CONTRACTOR / LANDOWNER SHALL ESTABLISH LANGUAGE AND PLAN FOR PROPER IRRIGATION OF SEEDED AREAS. PROPER WATERING SHALL OCCUR DURING THE ESTABLISHMENT PERIOD OR UNTIL ALL SEEDED AREAS HAVE FULLY FILLED-IN.
13. CONTRACTOR TO SUBMIT FINAL SPECIES & QUANTITY LIST FOR APPROVAL PRIOR TO INSTALLATION. PROVIDED LIST TO INCLUDE SPECIES, SIZING, AND QUANTITY.
14. OPTIONAL: INSTALL HERBIVORE EXCLUSION FENCE ON WATERWARD SIDE OF NATIVE PLANTING AREAS. TO REMAIN IN PLACE FOR MINIMUM 2 GROWING SEASONS.

LEGEND

	PROPOSED LAKESHORE PLANTING
	PROPOSED EMERGENT PLANTING
	PROPOSED CREEKSIDE PLANTING
	EXISTING WOODED AREA
	EXISTING 2' CONTOUR
	PROPERTY LINE [APPROXIMATE]

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

PROJECT:
 PHAM RESIDENCE
LOCATION:
 3321 TWIN LAKE CT
 LITTLE CANADA, MN 55127
WATERSHED DISTRICT:

DESIGNER: BRIAN T. OLSEN
DATE: 5/10/2024

PAST REVISION:
 PAST REVISION:
 PAST REVISION:
 PAST REVISION:
 CHECKED BY:

No.	Date:	Description

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

SCALE: 1"=50'-0"

LAYOUT PLAN

Stewardship Grant Application Summary

Project Name: Rowe

Application Number: 24-41 CS

Board Meeting Date: 8/7/2024

Applicant Name: David Rowe

Residential

Commercial/Government

Project Overview:

This project is located off Skillman Ave W and Hamline Ave in the City of Roseville. The applicant is proposing to install a curb cut rain garden to capture runoff from Skillman Ave W.

The rain garden is eligible for 75% and the curb cut is eligible for 100% coverage, for project coverage up to a total of \$15,000.

BMP type(s):

Rain Garden(1)

Grant Request:

\$9,300.00

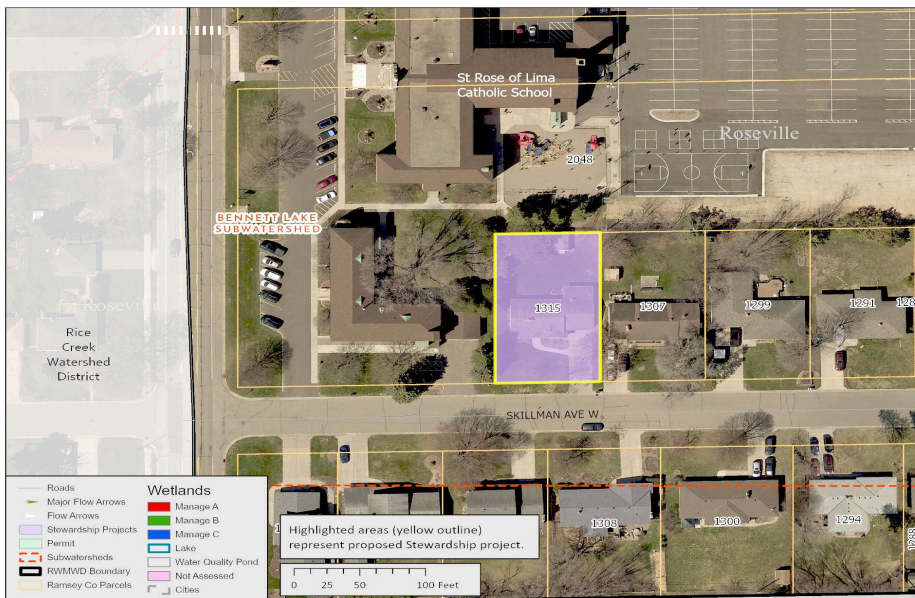
Recommendation:

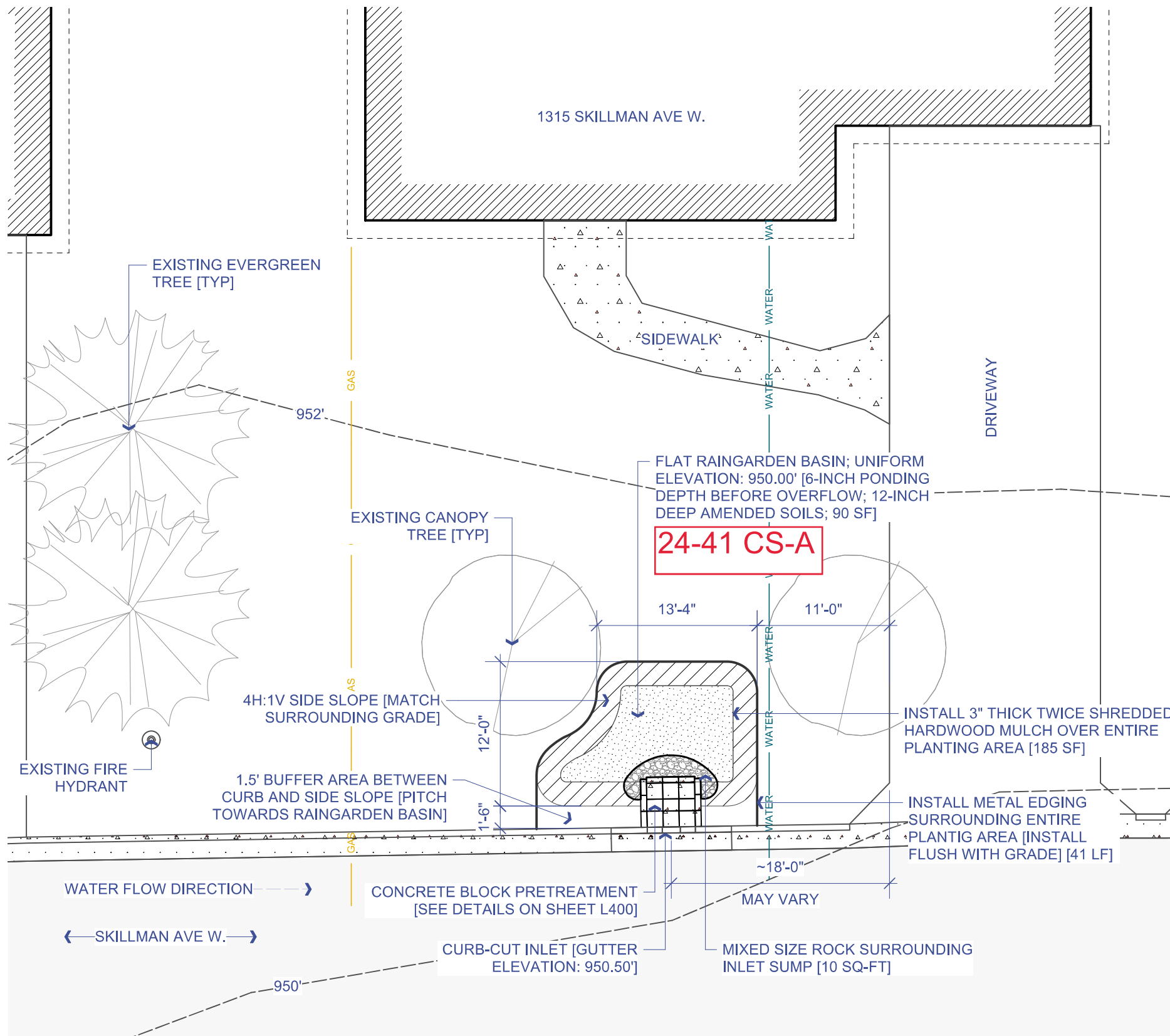
Staff recommends approval of this application.

Subwatershed:

Bennett Lake

Location Maps:





CURB-CUT RAINGARDEN NOTES:

- EXCAVATE RAINGARDEN AREA, LOOSEN UNDERLYING SOILS 6-12", AND INSTALL 1' AMENDED SOILS IN RAINGARDEN BASIN AREA.
- GRADE OUT FLAT RAINGARDEN BASIN AREA AND 4H:1V SIDE SLOPES. PROVIDE 1.5' WIDE SETBACK FROM BACK OF CURB TO BEGINNING OF SIDE SLOPE.
- SAW-CUT AND INSTALL CONCRETE CURB OPENING AT LOCATION SHOWN ON PLAN. INSTALL PER SPECIFICATIONS PROVIDED IN PLAN/DETAIL SHEETS. VERIFY EXACT LOCATION PRIOR TO INSTALL WITH RCSWCD STAFF.
- INSTALL CONCRETE PAVER STEP DOWN AND SUMP STRUCTURE PER PLANS AND DETAILS PROVIDED.
- INSTALL MIXED SIZE ROCK [2-6" RIVER ROCK OR EQUAL] SPLASH AREA AROUND SUMP STRUCTURE. INSTALL NON-WOVEN GEOTEXTILE BETWEEN ROCK AND SOIL.
- INSTALL 3"-THICK TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE RAINGARDEN AREA, PLANT WITH NATIVE SPECIES [SEE PLANTING PLAN]
- RIP UNDERLYING SOILS 6-12" TO REMOVE COMPACTION AND ENCOURAGE INFILTRATION.
- SEE LAYOUT PLAN FOR CURB-CUT OPENING AND RAINGARDEN BASIN ELEVATIONS AND DIMENSIONS.
- CONTRACTOR TO LOCATE UTILITIES PRIOR TO BEGINNING WORK AND SECURE ANY NECESSARY PERMITS.
- CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY PERIMETER & EROSION CONTROL MEASURES DURING ANY SOIL DISTURBANCE PERIODS.
- CONTRACTOR TO VERIFY ANY REQUIRED PLAN OR MATERIAL CHANGES WITH RCSWCD PRIOR TO INSTALLATION. MAINTAIN SQUARE FEET AND PONDING DEPTH.
- ELEVATIONS PROVIDED ARE APPROXIMATE, SITE VERIFY FINAL ELEVATIONS TO ENSURE PROPER PONDING DEPTH, OVERFLOW, ETC.

Pollutant Reductions: Rowe Raingarden				
	Before	After	Reduction	Red. %
Volume (cu-ft/yr)	15642	13491	2151	14%
TSS (lbs/yr)	118.62	102.30	16.32	14%
TP (lbs/yr)	0.653	0.563	0.090	14%

Watershed Data	Rowe RG	
Target Rainfall	0.1	in
Soil Type:	C	HSG:
Soil IR	0.3	in/hr

Surface	Sq-ft	Acre	CN
Road	5,258	0.121	98
Parking Lot	4,300	0.099	98
Roof	2,600	0.060	98
Sidewalk	985	0.023	98
Driveway	530	0.012	98
Turf Grass/Lawn	7,580	0.174	79
Total	21,253	0.488	
% Imp	64%		

LEGEND

- 4H:1V RAINGARDEN SIDE SLOPE
- FLAT RAINGARDEN BASIN
- FLAT RAINGARDEN BASIN
- PARCEL BOUNDARY (APPROX.)
- 2' CONTOUR ELEVATION (UNLESS NOTED)



- NOTES:**
- ELEVATIONS ARE APPROXIMATE
 - UTILITY LOCATIONS ARE APPROXIMATE, CONFIRM LOCATIONS PRIOR TO WORK
 - CONTRACTOR ACQUIRE NECESSARY PERMITS PRIOR TO START
 - EXCAVATE WITH TRACKED EQUIPMENT ONLY
 - SIZE AND SHAPE OF PROJECT MAY VARY, VERIFY CHANGES WITH RCSWCD STAFF PRIOR TO INSTALL
 - ORIGINAL SHEET SIZE: 11"x17"

* * * * *

Permit Program

* * * * *

Permit Application Coversheet

Date August 07, 2024

Project Name Xcel Saint Paul Service Center

Project Number 24-39

Applicant Name Leigh Stoakes, Xcel Energy

Type of Development Industrial

Property Description

This project is located in the southern half of The Heights redevelopment site off McKnight Road North in the City of St. Paul. The applicant is proposing to construct a service center with associated parking and indoor vehicle storage. The total site area is approximately 19.5 acres. Stormwater treatment requirements are proposed to be met through construction of two above-ground filtration basins and one underground filtration system. Filtration is being proposed due to poor soils. Due to site constraints the applicant is requesting a variance from the District's freeboard requirements as it relates to the proposed building's low floor elevation and the north filtration basin's 100-year High Water Level (HWL). The basin's emergency overflow directs water away from the building, and the design provides separation between the HWL and adjacent low openings of the building. In an effort to prevent seepage the applicant is proposing to utilize impermeable waterproofing and drain tile along the base of the building.

Watershed District Policies or Standards Involved:

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

Water Quantity Considerations

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

Water Quality Considerations

Short Term

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

Long Term

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

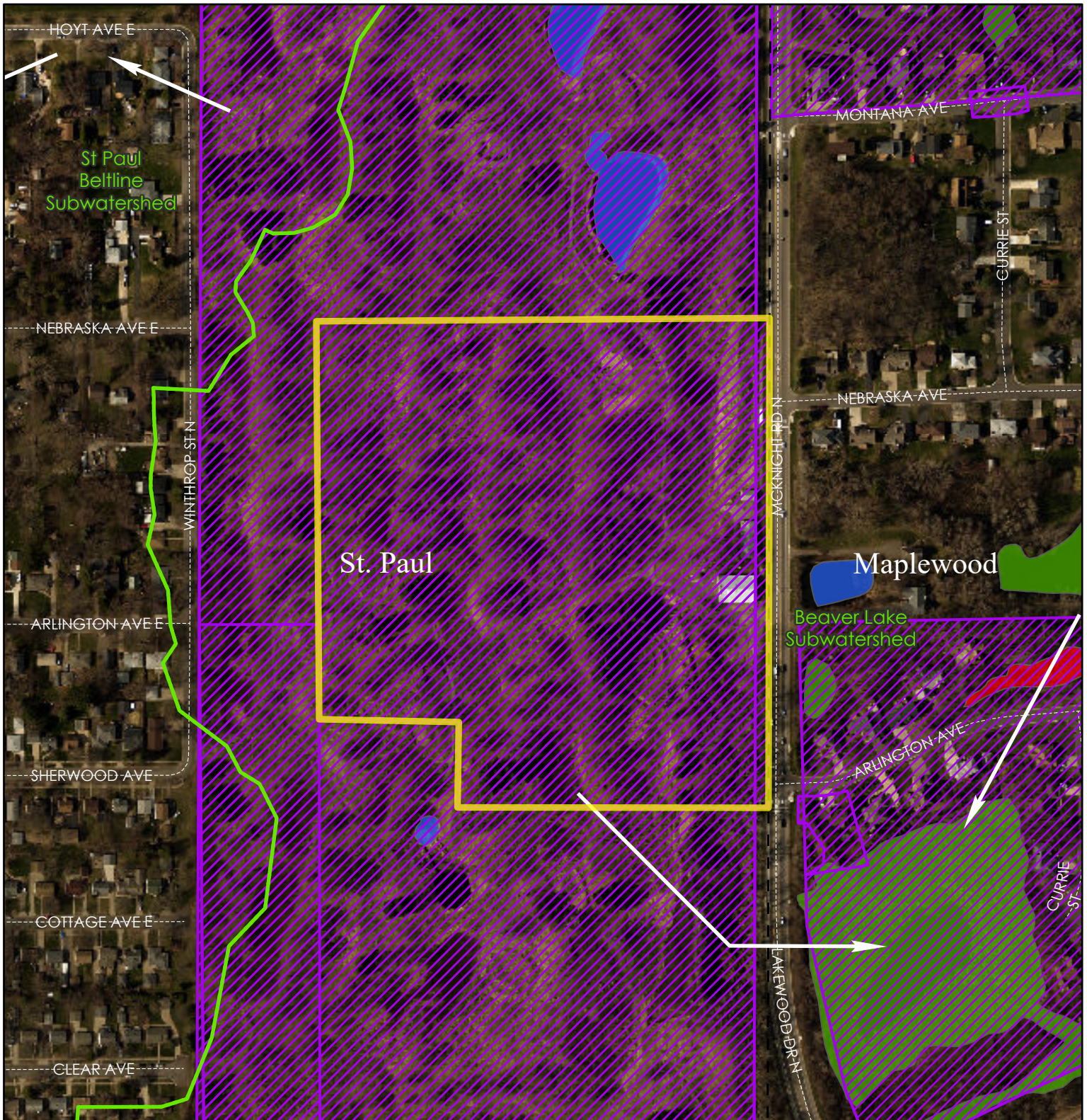
Staff Recommendation

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

Attachments:

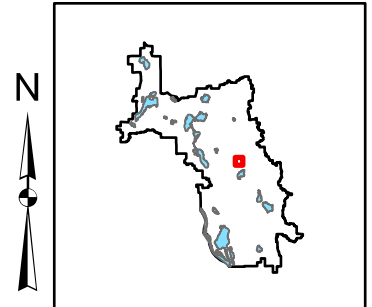
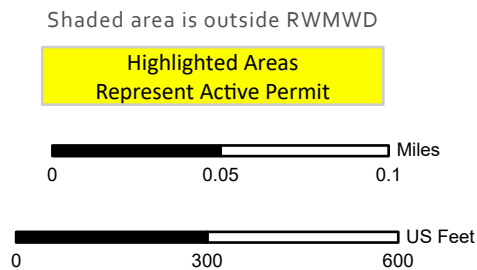
- Project Location Map**
- Project Grading Plan**

#24-39 Xcel Saint Paul Service Center



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

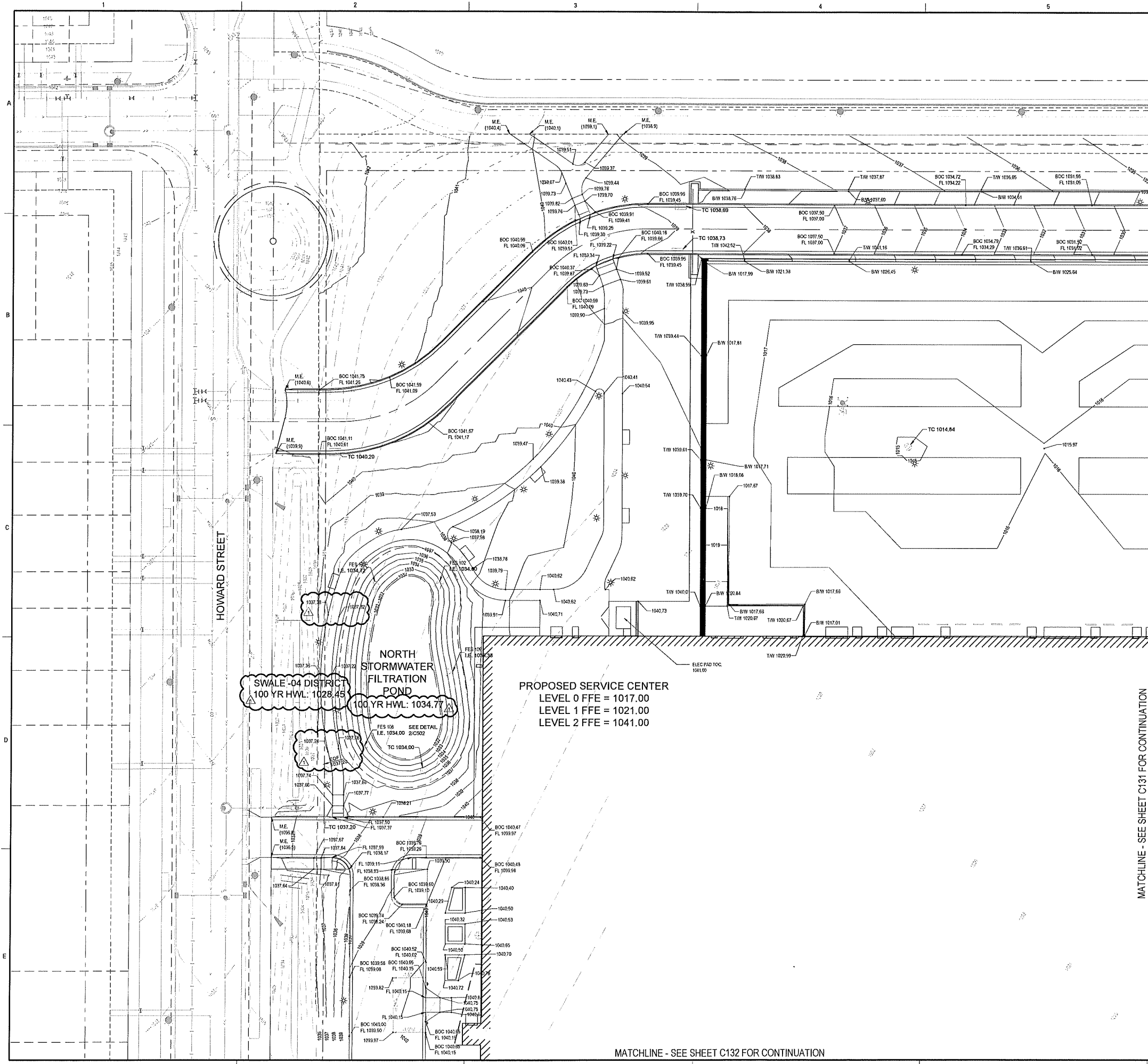
	Flow Arrows
	Roads
	Permits
	Cities
	Subwatersheds
	RWMWD Boundary



24-39

Special Provisions

1. The applicant shall submit a figure of flood-proofing measures around the proposed building.
2. The applicant shall submit a plan view of the underground filtration chamber system that includes locations for inspection manholes.
3. The applicant shall submit the escrow payment of \$97,350.
4. The applicant shall submit an executed stormwater maintenance agreement for the proposed stormwater facilities.
5. The applicant shall submit a site-specific BMP Operations & Maintenance Plan for the proposed stormwater facilities.



- GRADING NOTES**
- IT SHALL BE CONTRACTOR'S RESPONSIBILITY AND DUTY TO BE FAMILIAR WITH FEDERAL, STATE AND LOCAL AND RULES AND REGULATIONS RELATING TO THIS TYPE OF WORK AND THEY SHALL ASSUME THE RESPONSIBILITY FOR COMPLIANCE THEREWITH.
 - ALL PERMITS REQUIRED FOR WORK UNDER THIS SECTION SHALL BE OBTAINED AND PAID FOR BY CONTRACTOR.
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 - CONTRACTOR SHALL IDENTIFY THE LOCATION OF ALL STOCKPILES.
 - FROZEN FILL MATERIAL SHALL NOT BE UTILIZED IN GRADING OPERATIONS.
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 - MAXIMUM CUT AND FILL SLOPES SHALL BE (H:1) (V:1).
 - THE CONTRACTOR SHALL TEST ROLL ALL SUB GRASSES RECEIVING PAVEMENTS AND COORDINATE WITH THE OWNER OR ENGINEER TO OBSERVE PRIOR TO PLACEMENT OF AGGREGATE BASE COURSE.

Xcel Energy

TKDA

SANT PAUL SERVICE CENTER
SERVICE CENTER
 XXXX HOWARD STREET NORTH
 SAINT PAUL, MN

GRADING PLAN

C130

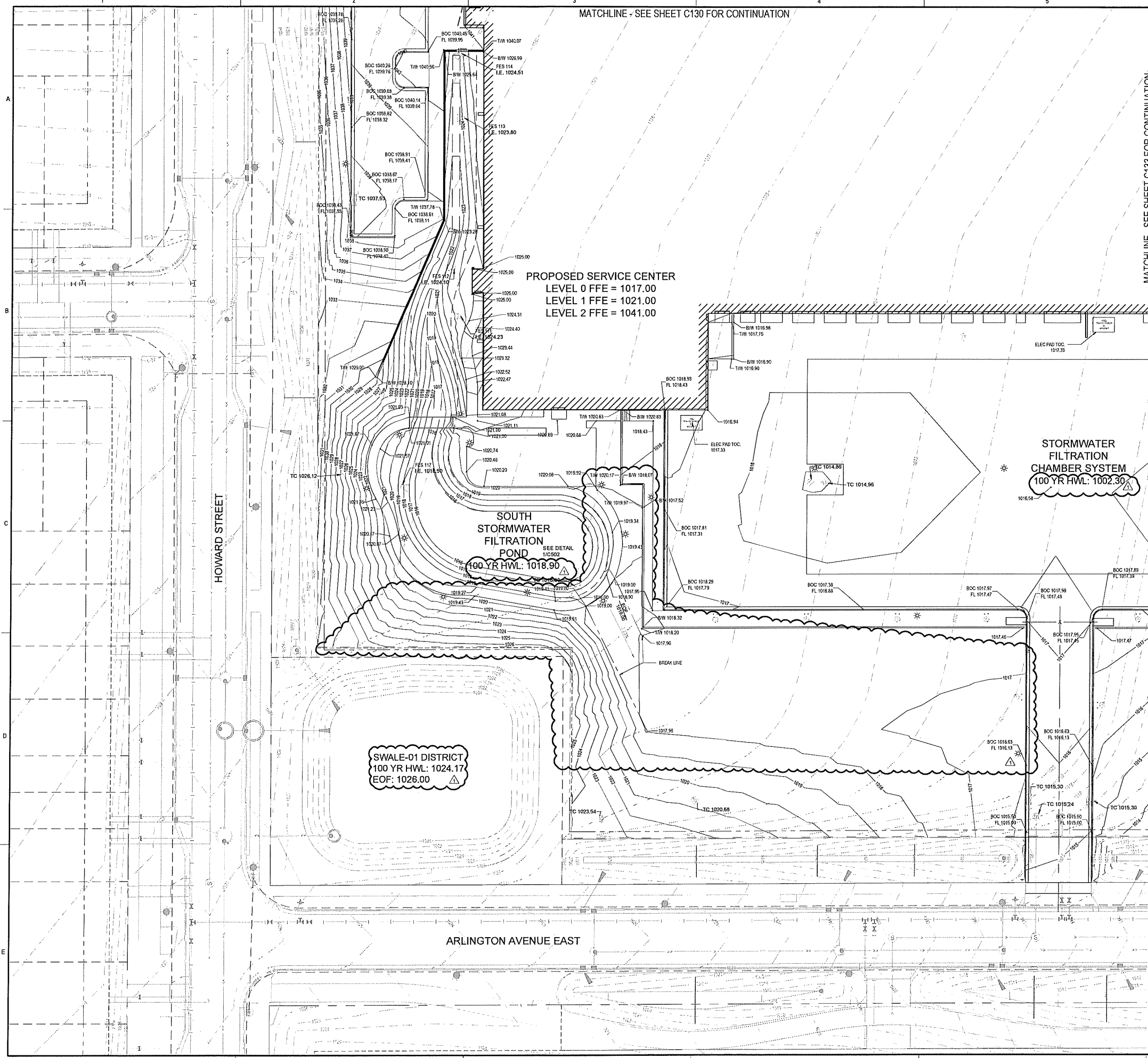
DATE: 07.10.2024

SCALE: 1" = 10'

PROJECT NO: 100225030007

SITE PLAN REVIEW PERMIT

DATE: 07.10.2024



LEGEND

---	APPROXIMATE CONSTRUCTION LIMITS
---	RIGHT OF WAY
---	SETBACK
---	PROPERTY LINE
---	EASEMENT
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
N.E. (XXX.X)	MATCH EXISTING ELEVATION
TC XXX.X	TOP OF CASTING ELEVATION
BOC XXX.X FL XXX.X	BACK OF CURB AND FLOW LINE ELEVATIONS
XXX.X	PROPOSED ELEVATION
TW XXX.X	PROPOSED TOP OF RETAINING WALL ELEVATION
BW XXX.X	PROPOSED BOTTOM OF RETAINING WALL ELEVATION

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Client

SANT PAUL SERVICE CENTER
 SERVICE CENTER
 XXXX HOWARD STREET NORTH
 SAINT PAUL, MN

1017-PAK

SEE SHEETS C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, C174, C175, C176, C177, C178, C179, C180, C181, C182, C183, C184, C185, C186, C187, C188, C189, C190, C191, C192, C193, C194, C195, C196, C197, C198, C199, C200

PROJECT NO: 10202528107

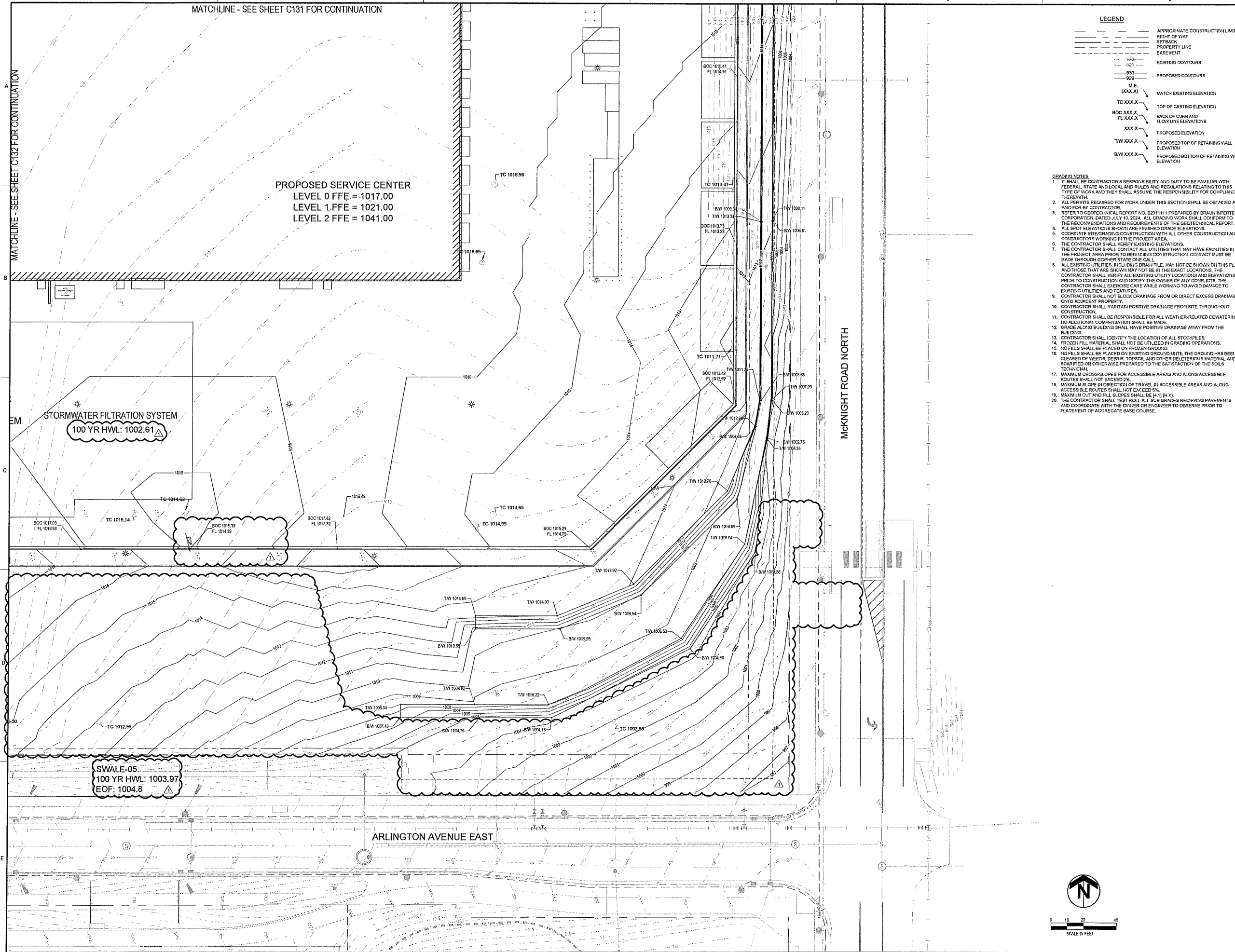
DATE: 07.10.2024

SCALE: 1" = 30'

GRADING PLAN

C132

MATCHLINE - SEE SHEET C131 FOR CONTINUATION



MATCHLINE - SEE SHEET C132 FOR CONTINUATION

EM

C

D

E

1

2

3

4

5

6

LEGEND

---	APPROXIMATE CONSTRUCTION LIMITS
---	RIGHT OF WAY
---	SETBACK
---	PROPERTY LINE
---	EASEMENT
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
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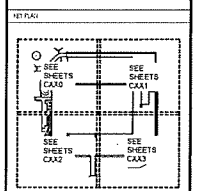
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XcelEnergy

TKDA

PROJECT: SAINT PAUL SERVICE CENTER
 SHEET: C133
 DATE: 07.18.2024

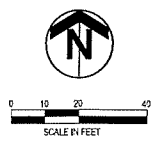
SAINT PAUL SERVICE CENTER
 SERVICE CENTER
 XXXXX HOWARD STREET NORTH
 SAINT PAUL, MN



DATE: 07.18.2024
 PROJECT: SAINT PAUL SERVICE CENTER
 SHEET: C133

REV.	DATE	DESCRIPTION
1	07.18.2024	ISSUED FOR PERMIT

GRADING PLAN
C133



Memorandum

To: <u>Nicole Maras</u>	Project Reference: <u>Xcel Saint Paul Service Center</u>
Copies To: <u>Leigh Stoakes</u>	
<u>Bruce Baillargeon</u>	TKDA Project No.: <u>14963.067</u>
From: <u>Amanda Kieffer</u>	Client No.: _____
Date: <u>July 26, 2024</u>	

Ramsey Washington Metro Watershed District Variance Request Memorandum

Project Information

The project, located in The Heights Development in Saint Paul, Minnesota, will include the construction of a service center, a fleet building, parking structure, secured storage yard, at-grade parking/driving lanes, two at-grade filtration basins, a below grade chamber system, and below-grade utilities.

Variance Request

Due to site constraints, one of the filtration basins, the Northern Show Basin, does not meet the requirements laid out in Table 2. Flood Control and Freeboard Requirements. For a new habitable building, a waterbody with a piped outlet must have a 100-year flood elevation at least 2 feet below the low floor elevation. TKDA, and behalf of Xcel Energy, is requesting a variance on this requirement.

Variance Request Supporting Information

The site is situated in a hillside with 40 ft of drop for the northwest corner to the southeast corner of the site. The site consists of a main building, a fleet building, parking structure, an underground chamber system, and two filtration ponds. The 20.24-acre site also includes easements for access to district operated swales and basins. In order to fit all of this development into the site and accommodate the elevation change across the site, the main building is situated into the hillside. The main building consists of 3 floors, Level 0, Level 1, and Level 2. Level 0 is the lowest floor for the eastern two thirds of the building, situated away from the two filtration basins, and is used as a vehicle storage and shop space for the operations based out of this service center. Level 1 and 2 are part of an office building and are in the western third of the building. Level 1 has a finished floor elevation of 1021, making it lower than grade in that area. The Northern Show Basin has an invert of 1031.7, a piped outlet at 1034, and an emergency overflow at 1037.2. The 100-year high water line is at 1034.77. Given that Level 1 is completely below grade here, this basin is out of compliance with the requirements.

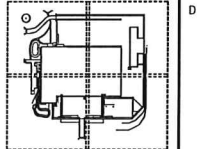
The following are being done to mitigate the risks associated with the basin elevations with relation to the adjacent low floor elevation.

- All adjacent openings for the building are located 5 feet or more above the 100-yr high water line. The closest opening below the 100-year high water level is 400 feet south or 230feet east. None of these openings are hydraulically connected to the northern basin.
- The adjacent corner of the main building is being waterproofed using self-adhering sheet waterproofing, along with drain tile along the base of the building.
- The basin is a filtration basin and the soils on site are not conducive to infiltration.
- The emergency overflow routes water away from the building and towards the adjacent district operated swale. The emergency overflow is 2.8 feet below the hydraulically connected low opening.
- The other two basins on site are maximized for the amount of storage and filtration volume allowed with the space. The south basin can not be larger due to grading on the south and west side, building and patio to the north and the laydown space to the east. The underground chamber system has a network of electrical and geothermal utilities wrapping around footprint limiting the storage volume. The space in the south-east corner is steep and therefore unable to fit a pond.

SAINT PAUL SERVICE CENTER
SERVICE CENTER
XXXX HOWARD STREET NORTH
SAINT PAUL, MN

DATE: 07.10.2024
PROJECT: SAINT PAUL SERVICE CENTER
DRAWN BY: DANA SCHUMACHER
CHECKED BY: 41511

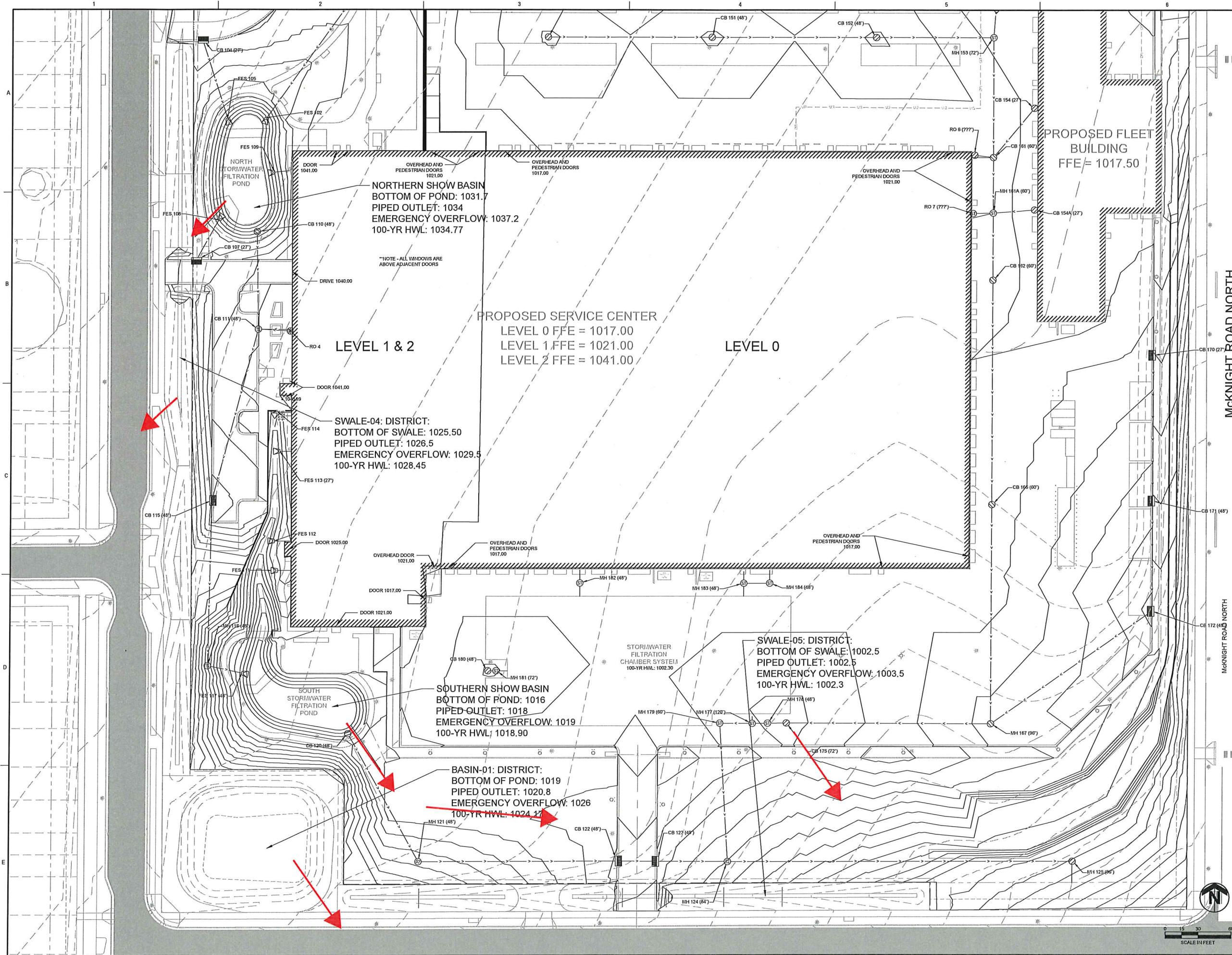
SAINT PAUL SERVICE CENTER
SERVICE CENTER
XXXX HOWARD STREET NORTH
SAINT PAUL, MN



PROJECT NO.: 10005553107
DATE: 07.10.2024
SITE PLAN REVIEW/PERMIT

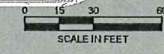
NO.	DATE	DESCRIPTION

FREEBOARD EXHIBIT



McKNIGHT ROAD NORTH

McKNIGHT ROAD NORTH



NORTHERN SHOW BASIN
BOTTOM OF POND: 1031.7
PIPED OUTLET: 1034
EMERGENCY OVERFLOW: 1037.2
100-YR HWL: 1034.77

SWALE-04: DISTRICT:
BOTTOM OF SWALE: 1025.50
PIPED OUTLET: 1026.5
EMERGENCY OVERFLOW: 1029.5
100-YR HWL: 1028.45

PROPOSED SERVICE CENTER
LEVEL 0 FFE = 1017.00
LEVEL 1 FFE = 1021.00
LEVEL 2 FFE = 1041.00

SWALE-05: DISTRICT:
BOTTOM OF SWALE: 1002.5
PIPED OUTLET: 1002.5
EMERGENCY OVERFLOW: 1003.5
100-YR HWL: 1002.3

SOUTHERN SHOW BASIN
BOTTOM OF POND: 1016
PIPED OUTLET: 1018
EMERGENCY OVERFLOW: 1019
100-YR HWL: 1018.90

BASIN-01: DISTRICT:
BOTTOM OF POND: 1019
PIPED OUTLET: 1020.8
EMERGENCY OVERFLOW: 1026
100-YR HWL: 1024.17

PROPOSED FLEET BUILDING
FFE = 1017.50

*NOTE - ALL WINDOWS ARE ABOVE ADJACENT DOORS

LEVEL 1 & 2

LEVEL 0



RAMSEY-WASHINGTON

METRO WATERSHED DISTRICT

MEMORANDUM

Date: August 7th, 2024

To: Board of Managers and Staff

From: Nicole Maras, Regulatory Program Manager
Mary Fitzgerald, Regulatory Specialist

Subject: July Enforcement Action Report

During July 2024:

Number of Violations:	4
Stabilize Exposed Soils	2
Install/Maintain Perimeter Control	1
Install/Maintain Ditch Checks	1

Permit Program- Activities, Trainings, and Coordination Meetings:

Permit site inspections and progress meetings, meetings with permit applicants, rule guidance assistance and inquiries, Wetland Conservation Act (WCA) administration & procedures, TEP field visits, permit submittal reviews with Barr Engineering, initial erosion control walk-throughs at newly active sites, BMP installation observations, underground BMP inspections with Barr, Watershed Equity Alliance monthly meeting, Program Manager meeting, fire extinguisher safety training, closed permit BMP inspections, DEIA lunch and learn, The 7 Modes of Sediment Control webinar

Single Lot Residential Permits Approved by Staff:

24-37 660 Highway 96 W (Shoreview)

Permits Closed:

18-11 Whistler Pines (Shoreview)
19-36 Luther Cadillac (Vadnais Heights)
22-04 Maplewood Gardens Garage and Parking (Maplewood)
22-09 Xcel Energy Lexington to County Rd C (Roseville)

22-32 Oakdale Elementary Demolition (Oakdale)

Project Updates:

23-17 The Heights (St. Paul) and 24-17 The Heights Ph II (St. Paul)

On Thursday, July 25th, board member Stephanie Wang joined permit staff on a routine enforcement inspection at The Heights project in St. Paul. Stephanie and staff walked the site with the project's construction consultant, as well as met with the phase I contractor to discuss current activity on the site. Action items revealed during the inspection included perimeter control and erosion repair near wetland D, perimeter control repair and stabilization around wetland C, perimeter control maintenance along the west end of the site, and several maintenance items along Ivy Ave.



RWMWD board member Stephanie Wang visiting The Heights project located in St. Paul, MN.



Stephanie Wang with Bolton & Menk consultant Allison Smith, near wetland D at The Heights project located in St. Paul, MN.

Stephanie asked about the challenges staff run into with getting sites to comply with permit requirements. Staff explained that often the bare minimum BMPs are utilized on a site, which often need frequent maintenance. If sites took more time and effort to install more robust protections on their site, they would withstand larger rain events better, and would not require as much routine maintenance.

Thank you for joining us in the field, Stephanie!

21-16 Metro Transit Gold Line BRT (Landfall, Maplewood, Oakdale, St. Paul, Woodbury)

Work continues through the month of July on the Gold Line BRT project. Spanning 5 cities throughout RWMWD, this 10-mile bus line has had substantial construction in 2023-2024, with plans to be operational in 2025. Staff conduct inspections with

several construction representatives, as well as the Metropolitan Council's construction consultant. These inspections typically take about 4-5 hours to complete, looking at various items including dewatering operations, erosion and sediment control BMPs, permanent BMP installation, hazardous material containment, and more. Staff conducted a routine inspection on July 29th, and found the site to be compliant but maintenance needed. Some of the action items included:

- Install perimeter control around the base of newly constructed permanent BMPs
- Install hazardous material secondary containment
- Maintain inlet protection devices
- Adjust dewatering operations to prevent creating scour
- Sweeping tracked sediment off paved surfaces
- Repair erosion occurring around bridge piers
- Protect new storm structures that do not have casting installed yet



Photos taken throughout the Metro Transit Gold Line BRT project that spans the cities of Landfall, Maplewood, Oakdale, St. Paul and Woodbury

Permit Application Coversheet

Date July 24, 2024

Project Name 660 Highway 96 W

Project Number 24-37

Applicant Name David Edwardson, Homeowner

Type of Development Residential

Property Description

This project is located at 660 Highway 96 West in the City of Shoreview. The applicant is proposing to construct a boathouse structure on the property, just above the 100-year water surface elevation of 886.5'. An existing boathouse located near the water's edge will be removed, and material placed to smooth the transition to the lake and provide energy dissipation for erosion. Within the 100-year floodplain, approximately 5 cubic yards of sand and rock will be imported, and an estimated 6.5 cubic yards of fill will be removed and hauled offsite to achieve no net fill in accordance with District Rule D (Flood Control). Erosion control practices in accordance with the City of Shoreview's permit requirements shall be installed and maintained until permanent vegetation is established. The total project area is less than 1,000 square feet.

Watershed District Policies or Standards Involved:

- | | |
|---|--|
| <input type="checkbox"/> <i>Wetlands</i> | <input 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 project as described results in no net loss of floodplain storage.

Water Quality Considerations

Short Term

There are no short term water quality considerations with respect to District rules, however erosion and sediment control will be enforced by the City of Shoreview.

Long Term

There are no long term water quality considerations.

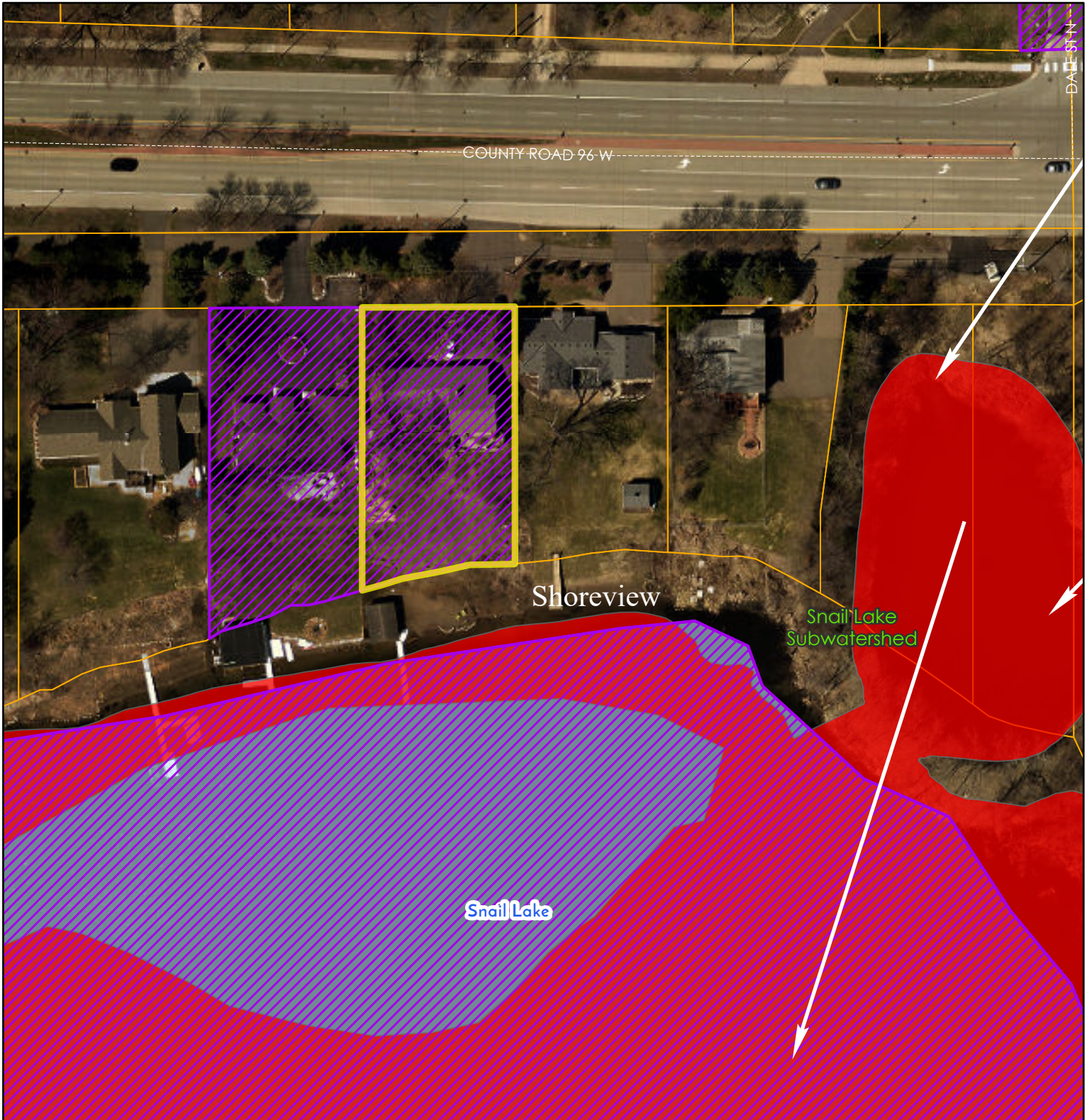
Staff Recommendation

Staff approves the permit.

Attachments:

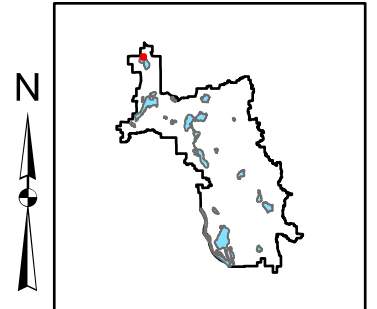
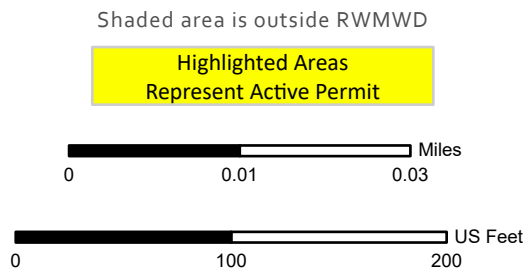
- Project Location Map**
- Project Grading Plan**

#24-37 660 Highway 96 W



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

	Flow Arrows
	Roads
	Permits
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	Subwatersheds
	Lakes
	Ramsey Co Parcels
	RWMWD Boundary



* * * * *

Stewardship Grant Program

* * * * *

Stewardship Grant Program Budget Status Update

August 7, 2024

		Last Month	This Month	Last Month	This Month
Homeowner	Coverage	Number of Projects: 22	Number of Projects: 25	Funds Allocated	Funds Allocated
Habitat Restoration and rain garden w/o hard surface drainage	50% Cost Share \$15,000 Max	13	14	\$26,343	\$38,113*
Rain garden w/hard surface drainage, pervious pavement, green roof	75% Cost Share \$15,000 Max	7	9	\$45,655	\$54,955*
MN Water Steward Project	100% Cost Share \$15,000 Max	0	0	\$0	\$0
Shoreland Restoration	100% Cost Share \$15,000 Max	2	2	\$13,497.40	\$13,497.40

		Last Month	This Month	Last Month	This Month
Commercial, School, Government, Church, Associations, etc.	Coverage	Number of Projects: 15	Number of Projects: 15	Funds Allocated	Funds Allocated
Habitat Restoration	50% Cost Share \$15,000 Max	4	4	\$24,597.50	\$24,597.50
Shoreland Restoration (below 100-year flood elevation w/actively eroding banks)	100% Cost Share \$100,000 Max	0	0	\$0	\$0
Priority Area Projects	100% Cost Share \$100,000 Max	4	4	\$281,211.50	\$381,211.50
Non-Priority Area Projects	75% Cost Share \$50,000 Max	0	0	\$0	\$0
Public Art (\$50,000 Reserved)	50% Cost Share \$15,000 Max/Project	2	2	\$5,323	\$5,323
Aquatic Veg Harvest/LVMP Development	50% Cost Share \$15,000 Max	0	0	\$0	\$0
Enhanced Street Sweeping (\$250,000 Reserved)	Varies	5	5	\$142,375	\$142,375

Maintenance	50% Cost Share \$7,500 Max for 5 Years	74	77	\$57,650	\$60,930**
Consultant Fees				\$40,546	\$59,322
Total Allocated				\$637,198	\$792,824

*includes funds to be approved at current board meeting

** includes staff approvals since previous board meeting

2024 Stewardship Grant Program Budget		
	Last Month	This Month
Budget	\$1,250,000	\$1,250,000
Total Funds Allocated	\$637,198	\$792,824
Total Available Funds	\$612,802	\$457,176

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Action Items

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Request for Board Action

Board Meeting Date: August 7, 2024

Agenda Item No: 7A

Preparer: Tina Carstens, Administrator

Item Description: Fish Creek Tributary Permanent Easement Acquisition

Background:

See the attached memo for more information on the Fish Creek Tributary Project and the next step in acquiring permanent easements at the project location.

A legal survey of the easements needed across four properties was completed, and the value of those easements was calculated.

After approval at this meeting, staff will work with our attorney to draft purchase agreements, and staff will meet with the property owners.

Applicable District Goal and Action Item:

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

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

Staff Recommendation:

Staff recommends authorization.

Financial Implications:

This project will be funded through the Fish Creek Tributary fund, which has funds available for this part of the project.

Board Action Requested:

Authorize staff to pursue the acquisition of the permanent easements across the three single-family residential properties within the project boundary and with Bailey Nurseries.

Memorandum

To: RWMWD Board of Managers
From: Tyler Olsen and Brad Lindaman
Subject: Fish Creek Tributary Permanent Easement Acquisition
Date: July 31, 2024
Project: 23621470
c: Tina Carstens, Tracey Galowitz, Laurann Kirschner

1 Introduction

Barr Engineering Co. (Barr) is finalizing the restoration design of a degraded ephemeral stream tributary to Fish Creek, located at the southern end of Maplewood, MN, south of Carver Lake. The project was identified in the Fish Creek Subwatershed Feasibility Study (Barr, 2020) as a way to reduce sediment and nutrient loading to the Double Driveway Pond (a stormwater pond located at the downstream end of the stream), and ultimately Fish Creek and the Mississippi River, both of which are impaired for total suspended solids (Fish Creek is impaired for benthic macroinvertebrates, but one of the primary stressors is total suspended solids).

2 Final Design and Easement Acquisition

Barr has been designing improvements to reduce heavy erosion in the stream and control the flow of water through the stream corridor. The stream improvements include grading of streambanks, reinforcement of slopes, riffles and boulder vanes, and shallow pools. The project will also remove select vegetation and trees to improve growth of native vegetation after the restoration phase of the project is complete.

Because the stream is located solely on private property, the district would like to pursue purchasing a permanent 60-foot-wide drainage easement over the stream corridor. There are three single-family residential properties that the stream spans: 2700, 2710, and 2730 Carver Avenue, Maplewood, MN. The stream spans a fourth property (1325 Bailey Road, Newport, MN), which is currently owned by Bailey Nurseries but is for sale and likely to be redeveloped. Based on discussions with the appraiser and Galowitz-Olson, staff suggest pursuing the easement on the Bailey Nurseries property without the offer of compensation, as the easement area on the Bailey property is small, is not developable, and does not degrade the value of property. The permanent easement would allow the district to construct the improvements and perform routine maintenance on the creek. The district's attorney contracted, on the district's behalf, with Cornerstone Land Surveying Inc. to perform a legal survey of the easements across the four properties and Capital Appraisals to estimate the value of the easement on each property. The total value of the appraisals for the three single-family residential properties is \$33,400.

To: RWMWD Board of Managers
From: Tyler Olsen and Brad Lindaman
Subject: Fish Creek Tributary Permanent Easement Acquisition
Date: July 31, 2024
Page: 2

3 Board Request

District staff requests authorization from the RWMWD Board of Managers to pursue acquisition of the permanent easements across the three single-family residential properties within the project boundary and with Bailey Nurseries.

4 Schedule

Pending Board approval, Galowitz-Olson will draft purchase agreements for the easements and Barr and RWMWD staff will present the project and purchase agreements to the property owners onsite over the next month, pending staff and property owner schedules. Pending the acceptance of the purchase agreements from all property owners, Barr will finalize project plans and technical specifications to prepare for bidding of the project. For optimal construction conditions, the project may be constructed in winter 2024-2025 or fall of 2025. We will keep the RWMWD Board of Managers up to date on the schedule and anticipated bidding and construction schedule in future Project Status Report updates.

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New Reports/ Presentations

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Memorandum

To: Board of Managers and Staff
From: Tina Carstens, District Administrator
Subject: 2025 Budget Planning
Date: August 1, 2024

Attached to this memo are several items regarding the 2025 preliminary budget:

- 2025 Budget Table
- 2025 Budget Program Line Item Breakouts
- 2025 Budget Line-by-Line Narrative

In the general fund (lines 1-45), you will find some increases and decreases in line items. I have evaluated the completed budget and audit from 2023 and what has been spent to date in 2024. I use this information to fine-tune the 2025 budget. A few items of note:

- Project Feasibility Studies (line 5) – this line item fluctuates each year based on what studies are anticipated. We propose several planning efforts around shoreline assessment, wetland restorations, street sweeping, and flood risk reduction feasibility studies.
- WMP, Lakes, TMDLs, Grants (line 39) – this line item includes our plans to work through some watershed management plan items with the board and engagement with our constituents. However, the most significant increase in this item is in implementing an alum treatment on Kohlman Lake.
- Natural Resources Program (line 40) – the increase in this line item is to plan for a new electronic fish barrier as part of our carp management program.
- Water Monitoring Program (line 41) – most of this increase is due to a special monitoring project on Battle Creek and Fish Creek to identify better the need and location for water quality and flood risk reduction projects in the subwatersheds. There are also plans for equipment replacement in this budget.

In the capital improvement project (CIP) budget, here are a few things for you to consider:

- Targeted Retrofit Projects (line 49) – We are currently pursuing three projects under the targeted retrofit program. Stormwater impact funds are available in each subwatershed where these projects are located. Those dollars are indicated in the “other funds” column on the budget spreadsheet.
 - Cochran Recovery Services is located off White Bear Avenue within the Wakefield Lake subwatershed. The property currently experiences drainage issues and has many opportunities for water quality and native habitat restoration BMPs. Survey work will happen later this summer to better determine BMP placement.
 - Maplewood Toyota is located off Highway 61 in Maplewood within the Kohlman Lake subwatershed. The property abuts a creek that drains into Kohlman Creek and has significantly eroded slopes. Staff are looking into opportunities for creek stabilization and upstream BMPs to provide additional water quality treatment.
 - St. Paul Youth Services is located behind Sun Ray Shopping Center in St. Paul within the Battle Creek subwatershed. This property is almost 100% impervious and due to ownership constraints, surface BMPs are not possible. Investigations are underway to determine the possibility of installing a green roof on the building, but after initial engineer review, it appears it will be a suitable site.
- Fish Creek Tributary Improvements (line 51) – this project was budgeted for in 2024, where project planning and design were completed. Much of the budget in the 2025 table is carry over from this year’s budget. I also show Watershed Based Implementation Funding (WBIF) in the “other funding” column.
- Project Repair & Maintenance (line 52) includes carry-over to complete the Beltline repair project and an increase to complete our five-year inspection on the Beltline and Battle Creek tunnel system. Also included in this line item is an alignment and vertical profile survey on the two tunnel systems.
- Wetland Restoration Projects (line 53) – this budget is all carry over to complete the Cottage Place Wetland Restoration in 2025. No additional funds are being suggested, as 2025 is a planning year to determine what our wetland restoration program could look like. There is money in the feasibility study line item to plan around this effort.
- Flood Risk Reduction Fund (line 54) – Nearly all project funding is planned through the carry-over in this line item. You’ll see two large flood risk reduction projects at Ames Lake and Kohlman Creek subwatershed. These projects you have seen out of the feasibility studies are being planned for 2025. We submitted grant applications for the

Ames Lake area improvements and the Roosevelt Homes Phase III project. We expected to have heard if we will receive those grant funds by now and hope to know by the September meeting. If those grant funds are received that would change the levy need to zero in this project fund.

The carry-over is dynamic and will be evaluated as we move towards September and December. In this table, I have anticipated what I think will be close to the carry-over numbers to plan for. Even a small change in the carry-over in the positive direction can make a difference in the proposed levy and help bring down the proposed levy percent increase. We also are awaiting grant announcements. We typically start with a higher levy amount in August and September, and that number is refined as we move toward final levy approval in December. You will see that the proposed levy increase is 10.38% right now. I won't propose this as a final increase number but only to show the totality of the program and project requests in 2025. Again, this will come down as we refine the carry-over and grant numbers over the coming months. This is meant to be a discussion about what we are planning for 2025 and the total budget needed to achieve it.

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 what your comfort level in levy changes in 2025. Once we have that discussion in August, I will adjust the budget and levy based on your comments before sending it to our city and county partners for review. The information will also be publicly 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 table and have a chance to refine it better. Those opportunities continue until the final adoption in December.

Fiscal Year 2025 Budget V1
August Budget Discussion

Budget ID Number	Budget Item	FY 2024 Budget	General Fund	Capital Improvements	Carry-over Funds	Other Funds	Total Proposed 2025 Budget	Increase (decrease) from 2024 Budget
1	Engineering							
	Administration	122,000	122,000				122,000	0
2	Engineering Review	75,000	80,000				80,000	5,000
3	Permit Application Review	65,000	70,000				70,000	5,000
4	Permit Inspection and Enforcement	10,000	10,000				10,000	0
5	Project Feasibility Studies	260,000	400,000				400,000	140,000
6	GIS Maintenance	5,000	5,000				5,000	0
7								
8	Attorney							
	General	40,000	40,000				40,000	0
9	Permit Enforcement	5,000	5,000				5,000	0
10								
11	Managers							
	Meeting Per diems	7,000	7,000				7,000	0
12	Managers Expenses	3,000	3,000				3,000	0
13								
14	Auditor/Accounting							
	Auditor/Accounting	80,000	80,000				80,000	0
15								
16	Miscellaneous							
	Dues & Publications	17,000	20,000				20,000	3,000
17	Insurance	65,000	70,000				70,000	5,000
18	Committee & Board Meeting Expenses	4,000	4,000				4,000	0
19	Miscellaneous	5,000	5,000				5,000	0
20								
21	Administrative							
	Salary & Benefits	2,000,000	2,100,000				2,100,000	100,000
22	Employee Expenses	10,000	10,000				10,000	0
23	Janitorial/Trash Services/Snow Plowing	15,000	30,000				30,000	15,000
24	Building Maintenance	100,000	80,000				80,000	(20,000)
25	Utilities (gas,electric, water, sewer, maintenance)	20,000	20,000				20,000	0
26	Office Supplies	7,000	7,000				7,000	0
27	Copying/Printing	5,000	5,000				5,000	0
28	Postage/Delivery	2,000	2,000				2,000	0
29	Office Furniture & Computer Equipment	80,000	50,000				50,000	(30,000)
30	Office Equipment Maintenance	2,000	0				0	(2,000)
31	Training/Education	75,000	75,000				75,000	0
32	Telephone	2,000	2,000				2,000	0
33	District Vehicles/Maintenance	60,000	60,000				60,000	0
34	Database/GIS Maintenance & Equipment	20,000	20,000				20,000	0
35	IT Services/Internet/Website/Software Licenses	100,000	110,000				110,000	10,000
36	Outside Program Support	57,000	57,000				57,000	0
37	Outside Consulting Services	40,000	40,000				40,000	0
38								
39	Program							
	WMP, Lakes, TMDLs, Grants	154,500	329,000				329,000	174,500
40	Activities							
	Natural Resources Program	120,000	241,000				241,000	121,000
41	Water Monitoring-Lab Costs & Equip.	285,000	463,000				463,000	178,000
42	Research Projects	150,000	135,000				135,000	(15,000)
43	Project Operations	150,000	150,000				150,000	0
44	Education, Communication, Events	166,000	166,000				166,000	0
45	Health & Safety Program/Staff In-House Training	4,000	5,000				5,000	1,000
46								
47	Capital Improvements							
	Maplewood Mall SRF Loan Debt Service	92,000		92,543			92,543	543
48	Summary							
	Beltline and Battle Creek Tunnel Repair Debt Service	302,963		302,863			302,863	(100)
49	Targeted Retrofit Projects	1,950,000		290,000	300,000	580,000	1,170,000	(780,000)
50	Stewardship Grant Fund	1,250,000		750,000	500,000		1,250,000	0
51	Fish Creek Tributary Improvements	1,375,000		375,000	700,000	230,000	1,305,000	(70,000)
52	Project Repair & Maintenance	2,125,000		1,720,000	1,000,000		2,720,000	595,000
53	Wetland Restoration Projects	700,000		0	350,000		350,000	(350,000)
54	Flood Risk Reduction Fund	5,400,000		585,000	5,000,000		5,585,000	185,000
	Totals	17,582,463	5,078,000	4,115,406	7,850,000	810,000	17,853,406	270,943

	Budget Total	Budget Total By Fund		Proposed Levy
		General Fund	CIB	
2024 Budget Total and totals by fund	17,853,406	5,078,000	12,775,406	8,143,406
2023 Budget Total and totals by fund	17,582,463	4,387,500	13,194,963	7,377,463
2024 Budget increase or (Decrease) from 2023 Budget	270,943	690,500	(419,557)	765,943
2024 Budget % change from 2023 Budget	1.54%	15.74%	-3.18%	10.38%

2025 Budget Program Line Item Breakouts for Final Budget and Levy

Project Feasibility Studies (Line 5)	
Manufactured Homes Resilience Evaluation	\$20,000
Phalen Village Improvements	\$5,000
Evaluate compliance with South Metro Mississippi River TSS TMDL	\$25,000
Street Sweeping	\$20,000
Tanners, Battle Creek Lake, McKnight Basin outlet operation plan	\$35,000
Interim Emergency Response Plans (Non-Beltline Areas)	\$30,000
Flood Risk Reduction feasibility study - N of ABI	\$75,000
Flood Risk Reduction feasibility study - Placeholder	\$50,000
Stormwater Model Updates	\$50,000
Studies Stemming From Creek Walks	\$30,000
Shoreline Assessment Assistance	\$20,000
Wetland Restoration Planning	\$20,000
Contingency*	\$20,000
Total =	\$400,000

Outside Program Support (Line 36)	
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

WMP, Lakes, TMDLs, Grants (Line 39)	
Grant Applications	\$20,000
Watershed Management Plan Updates - Board Workshops and Engagement	\$115,000
Kohlman Lake Alum Treatment	\$172,000
Contingency	\$22,000
Total =	\$329,000

NR Program (Line 40)	
Ongoing Site Maintenance	\$25,000
Carp Management Program including Electric Carp Barrier	\$141,000
Restoration Project Work	\$30,000
Equipment Needs	\$40,000
Contingency	\$5,000
Total =	\$241,000

Water Monitoring (Line 41)	
WQ Equipment Replacement and Repair	\$103,000
Lab Costs	\$165,000
Barr Engineering Monitoring Assistance and Reporting	\$85,000
Battle Creek/Fish Creek Special Monitoring Lab Costs	\$110,000
Total =	\$463,000

Research (Line 42)	
Minnesota Stormwater Research Council	\$50,000
Wakefield Lake Aeration Feasibility	\$50,000
New Technology Reports	\$15,000
Internal Research/Contingency	\$20,000
Total =	\$135,000

Education/Events/Communications (Line 44)	
Education and Work in Schools	\$50,000
Communications and Marketing	\$60,000
WaterFest	\$40,000
Watershed Excellence Awards	\$6,000
Events Contingency	\$10,000
Total =	\$166,000

Targeted Retrofits (Line 49)	
2024 Project Completion (Woodbury Target and Pioneer Park)	\$20,000
St. Paul Youth Services	\$350,000
Cochran Recovery Center	\$400,000
Maplewood Toyota	\$400,000
Total =	\$1,170,000

Project Repair and Maintenance (Line 52)	
2025 Project Repair and Maintenance Contract	\$500,000
Beltline 5 year Inspection and Survey	\$325,000
Beltline Fix Near River Outfall	\$1,520,000
Routine Inspections and Unplanned Maintenance ID	\$125,000
BMP and NR Maintenance Program	\$250,000
Total =	\$2,720,000

Flood Risk Reduction Fund (Line 54)	
Ames Lake Area Improvements Design	\$2,250,000
Roosevelt Homes Phase III	\$415,000
Kohlman Creek Improvements	\$1,920,000
Funding for Implementation of Future Flood Risk Reduction Projects	\$1,000,000
Total =	\$5,585,000

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.

2025 BUDGET NARRATIVE V1

Budget Line No.	Item & Description	Budget Amount	Change from '24 increase (decrease)
General Fund Budget Summary:			
1	<p>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.</p>	122,000	0
2	<p>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.</p>	80,000	5,000
3	<p>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.</p>	70,000	5,000
4	<p>Engineering - Permit Inspection & Enforcement Inspect projects when a designed improvement is involved and requested by District staff.</p>	10,000	0
5	<p>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.</p>	400,000	140,000
6	<p>Engineering - GIS Maintenance Provides funds for maintenance and assistance of the District GIS system.</p>	5,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '24 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	0
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	0
12	Manager Expenses Manager Expenses incurred in the performance of official manager duties, such as attendance at conferences and meetings and related expenses.	3,000	0
14	Auditor/Accounting Preparation of the District's annual audit and provide monthly accounting services.	80,000	0
16	Dues & Publications Dues for appropriate organization memberships (MAWD, League of MN Cities, etc.) and for purchase of necessary publications and reference materials.	20,000	3,000
17	Insurance District General Liability, Property/Casualty, Public Official Liability insurance, etc.	70,000	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.	4,000	0

Budget Line No.	Item & Description	Budget Amount	Change from '24 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.	2,100,000	100,000
22	Employee Expenses This includes mileage, parking, and supply expenses incurred by the District's staff.	10,000	0
23	Janitorial/Trash Services/Snow Removal Contract services required for office building and winter snow removal.	30,000	15,000
24	Building Maintenance Building repairs, equipment and landscape maintenance expenses.	80,000	(20,000)
25	Utilities (gas, electric, water, sewer) Provides for office building utility expenses.	20,000	0
26	Office Supplies Office supply costs for district operations.	7,000	0
27	Copying/Printing Photocopying and commercial printing expenses.	5,000	0
28	Postage/Delivery District postage and delivery expenses.	2,000	0
29	Office Furniture and Computer Equipment Acquisition of necessary new and replacement office equipment and furniture.	50,000	(30,000)

Budget Line No.	Item & Description	Budget Amount	Change from '24 increase (decrease)
30	Office Equipment Maintenance To fund office equipment maintenance.	0	(2,000)
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	0
33	Vehicle Replacement, Equipment and Maintenance Provides for fleet maintenance and equipment as well as a new vehicle purchase.	60,000	0
34	Database & GIS Maintenance and Equipment Provides for improvements to district database programs for permit program, stewardship grant program, inspections and timesheets. Also includes GIS system needs.	20,000	0
35	IT Services/Internet/Web Site/Software Licenses Provides for maintenance and upgrades to computer network and software upgrades.	110,000	10,000
36	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
37	Outside Consultant Services Provides funds for contracting special services with outside consultants as needs arise in the year. This includes DEIA work consultants.	40,000	0
39	WMP, Lakes, TMDLs, Grants This item is for various water body studies and related topics. See Program Budget Line Item Breakout table.	329,000	174,500

Budget Line No.	Item & Description	Budget Amount	Change from '24 increase (decrease)
40	<p>Natural Resources Program</p> <p>This item includes funding for project to enhance ecological diversity within the District – habitat restoration projects, site maintenance, studies and research.</p>	241,000	121,000
41	<p>Water Quality Monitoring</p> <p>Includes lab costs and equipment for lake sampling, BMP monitoring and performance monitoring. See attached list for breakdown.</p>	463,000	178,000
42	<p>Research Projects</p> <p>This account provides funds for conducting research into various water and resource management issues and problems. The budget includes contributions to the Minnesota Stormwater Research (MSR) program as well as the potential projects shown in the attached Program Budget Line Item Breakout table.</p>	135,000	(15,000)
43	<p>Project Operations</p> <p>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.</p>	150,000	0
44	<p>Education, Communication Events</p> <p>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. This will be used to support our communications and marketing plan including updates to printed materials, accessibility audit of our digital platforms, and a community survey. Provide funds for the annual WaterFest program and Watershed Excellence Awards program. This year will also include the recognition and celebration of the district's 50th year!</p>	166,000	0
45	<p>Health & Safety Program/Staff In-house Training</p> <p>Provides funds to support the District staff safety program, training costs, equipment.</p>	5,000	1,000

Budget Line No.	Item & Description	Budget Amount	Change from '24 increase (decrease)
Capital Improvement Budget Summary:			
47	Maplewood Mall SRF Loan Debt Service Annual payment for the State Revolving Fund (SRF) loan for Maplewood Mall Phase IV project.	92,543	543
48	2016 Beltline and Battle Creek Tunnel Repair Debt Service This is the principal and interest payment for a bond issue approved in 2016.	302,863	(100)
49	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 2025. 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. See Program Budget Line Item Breakout table.	1,170,000	(780,000)
50	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.	1,250,000	0
51	Fish Creek Tributary Improvements 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.	1,305,000	(70,000)
52	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.	2,720,000	595,000

Budget Line No.	Item & Description	Budget Amount	Change from '24 increase (decrease)
53	<p>Wetland Restoration Projects</p> <p>Provides funds for wetland restoration work throughout the district. This year's money will be used to complete the Cottage Place Wetland Restoration Project.</p>	350,000	(350,000)
54	<p>Flood Risk Reduction Fund</p> <p>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. Funds are also held in reserves for other project opportunities that may arise. See the Program Budget Line Item Breakout table.</p>	5,585,000	185,000

Watershed Approach to Retrofit Projects (WARP)



Ramsey-Washington Metro Watershed District

August 2024





Agenda



1. Review previous approaches
2. Retrofit Project Inventory
3. WARP methodology
4. Heat Mapping
5. Pilot Study (2025 Projects)
6. Next Steps

Previous approach to finding retrofit projects



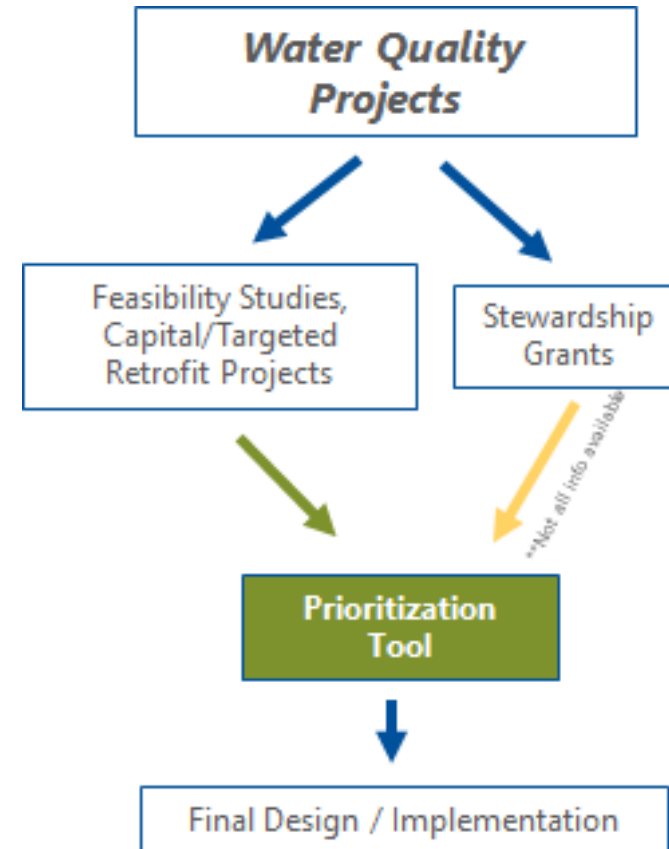
- School, commercial, and faith-based site evaluation (beginning in 2013)
 - Reviewed district parcels for potential for implementing retrofit projects
 - 17,000+ sites identified, graded A → D, site visits conducted
 - Often large buildings, large parking lots, lots of impervious surface
 - Emphasis on cost-effective water quality improvements
- Subwatershed feasibility studies (impaired and at-risk subwatersheds)
- Opportunity based projects (key partnerships, willing landowners, City/County partners)



Project Prioritization



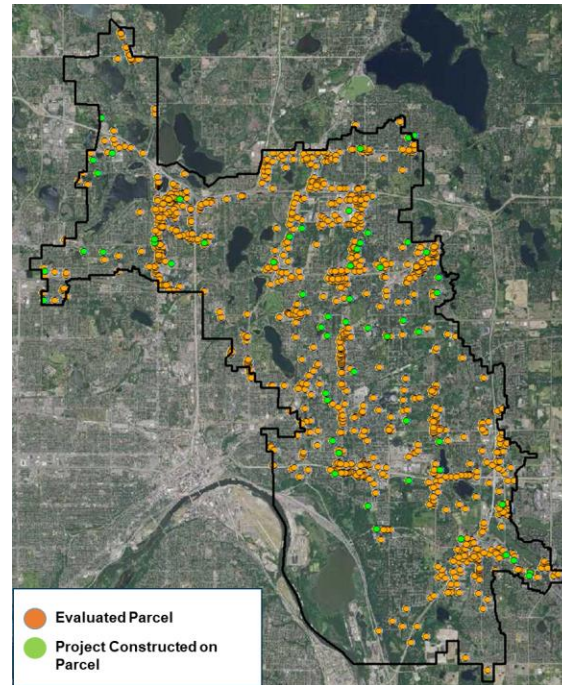
- Project prioritization tool developed in 2021 to rank potential water quality projects based on project information that aligns with watershed goals and strategic plan action items
 - Achieve quality surface water
 - Achieve healthy ecosystems
 - Manage risk of flooding
 - Support sustainable groundwater
 - Inform and empower communities
 - Manage organization effectively
- Tool requires project information that is often not available until design is completed



Retrofit Inventory



- Barr evaluated all past retrofit opportunities, either constructed or evaluated
- Mapping of parcels
- Creation of an online tool to track data related to site investigation, including property owner communications, technical analysis completed, etc.



Main Contact:	
Project Name	Carefree cottages
Project Type	Targeted Retrofit
Project Status	Potential
Notes	Look at opps for turf conversion behind large garages, drainage areas
Main Contact Name	
Main Contact Phone	
Main Contact Email	
Date Initial Contact	7/2/2024, 10:40 AM
Contact Notes	
Follow Up Date	8/30/2024, 10:41 AM
Follow Up Staff	Marcy
Created By	MBean_barr

Record of Meetings

No records were found.

Last edited by MBean_barr on 7/2/2024, 10:42 AM.

What's Next?



- **Big question: how do we find new projects?**
 - Tracked the old, completed the “low hanging fruit”
 - Want to be strategic, align with Watershed Management Plan, incorporate equity and climate resiliency, look holistically at water quality projects (i.e., also look at flood and natural resources impacts/benefits)

WARP Methodology



1. Gather/map data
2. Map parcels (*exclude* single family residential)
3. Host workshop with RWMWD staff to identify key data for scoring
4. Develop scoring metrics and apply analysis for each parcel
5. Heat mapping to show high priority areas
6. Pilot study – site visits for potential projects based on heat mapping



Gather and Map Data and Parcels



Initial data layers included:

- Ramsey County and Washington County parcel data
- Atlas 14 inundation (100-year and 10-year)
- Atlas 14 impacted structures (100-year and 10-year)
- MNRAM wetlands
- Soil Survey Geographic Database Potential Erosion Hazard
- Composite Infiltration Area Score
- Impaired and At-Risk Subwatersheds
- What's In My Backyard (MPCA)
- Impervious Land Cover
- Potential Wetland Restoration Site Search
- Social Vulnerability Index
- Tree Canopy
- Twin Cities Parks
- Native Plant Communities
- National Heritage Information System Rare Features
- Minnesota Biological Survey Sites of Biodiversity Significance
- Central Region Green Infrastructure
- Protected Areas Database of the United States

Water quality layer

Flooding layer

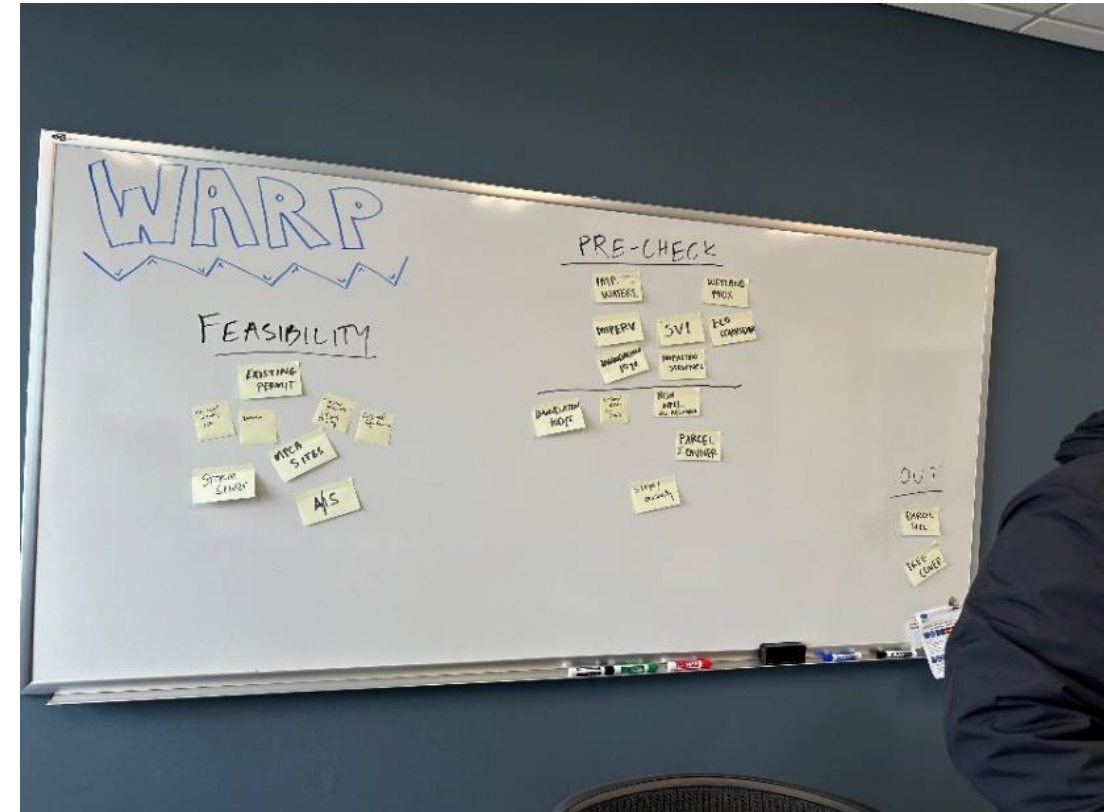
Natural resource layer

Social layer

Workshop with RWMWD staff



- Held on 3/21/2024
- Full list of potential data layers
- Whiteboard exercise to determine importance of each layer related to District priorities and goals
- Two categories of data – assigned weight to each category for scoring



Develop Scoring Metrics and Analysis for Each Parcel



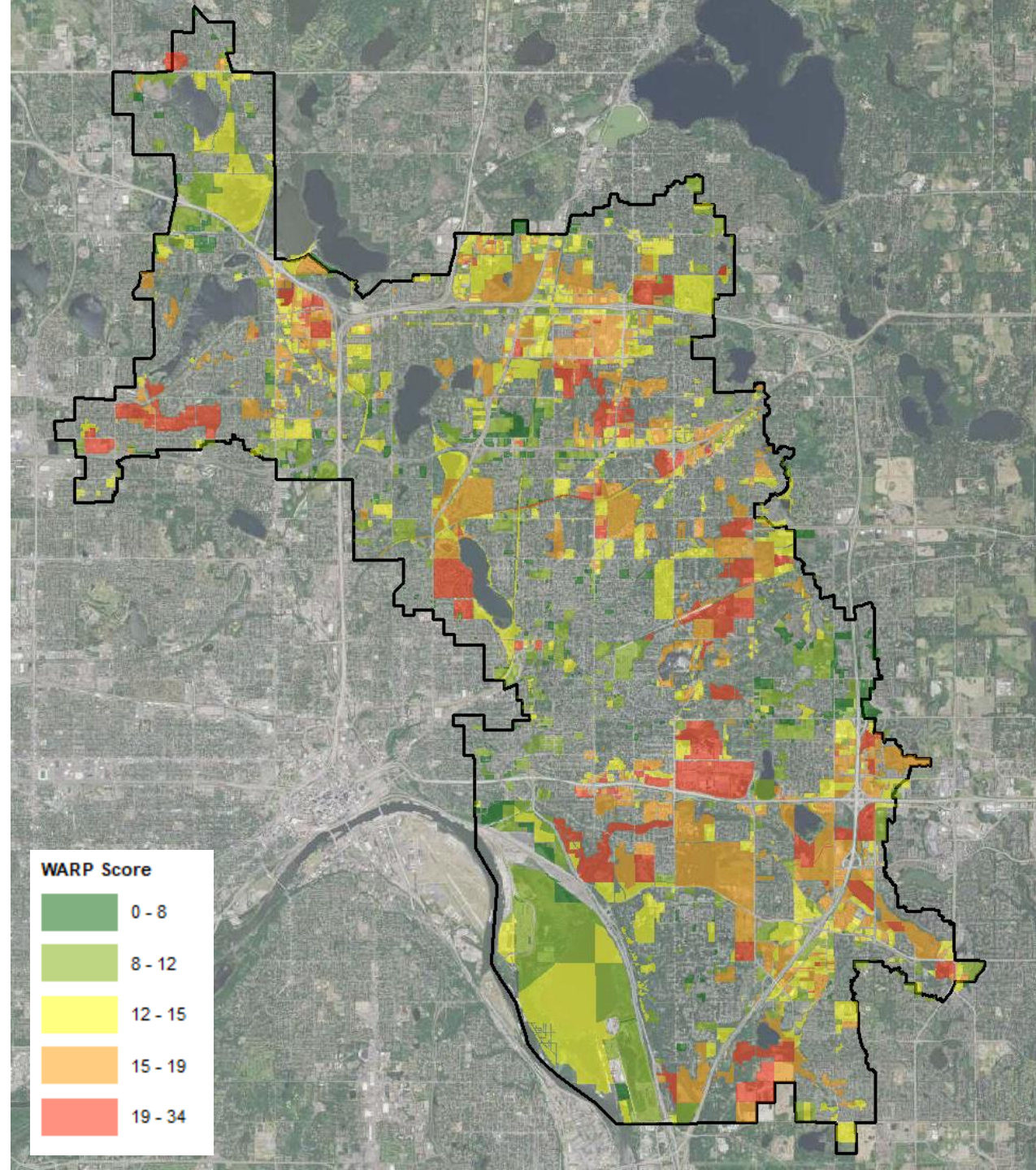
- Following workshop, Barr developed scoring metrics for each data layer
- Performed spatial analysis using GIS data for each parcel and applied scoring metrics
- Created an overall WARP score
- “Screening” not Prioritization

Data Layers	Score 0	Score 1	Score 2	Score 3	Weight
Is parcel within an impaired or at-risk subwatershed?	No	--		Yes	2
Imperviousness percentage	<50%	50-70%	70-90%	>90%	2
Number of impacted structures for Atlas 14 10-year event	None	--	--	Yes	2
Social Vulnerability Index	0	0-0.8	0.8-0.9	0.9-1.0	2
Distance to ecological corridors (<i>Twin Cities Parks, DNR Native Plant communities, NHIS rare features, MBS Sites of Bio Sig., Central Region Green Infrastructure, PADUS Conservation Areas</i>)	>500ft	100-500ft	<100ft	Within parcel	2
Proximity to wetland (MnRAM 2005)	>500ft	100-500ft	<100ft	Within parcel	2
Number of impacted structures for Atlas 14 100-year event	None	--	--	Yes	1
Wetland restoration site search score within 500 ft of Parcel (scored based on 0.1, 0.5 or 1 value of wetland)	<0.1	0.1	0.5	1	1
Groundwater recharge potential (out of 24)	<5	5-15	15-20	20-24	1
Parcel ownership (public vs private)	Private	--	--	Public	1

Heat Mapping



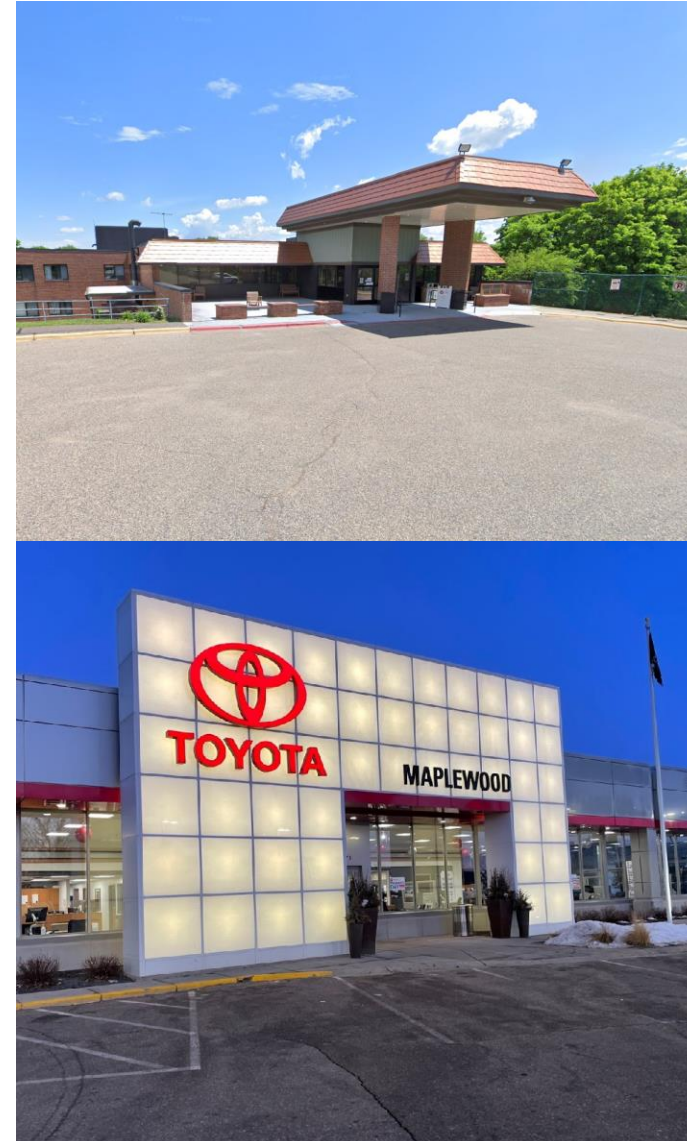
- Heat mapping coloring based on standard deviation of total WARP scores
- “Hot spots” examples include:
 - High impervious, commercial/industrial areas
 - Natural areas with flooding
- Confirmed past projects have high WARP scores (e.g., Aldrich Arena)



Pilot Study



- Reviewed Top ~100 parcels with RWMWD staff
 - Performed site visits in July 2024
 - Talked with property owners, identified potential BMPs
 - Confirmed viability of properties against WARP
1. [Cochran Recovery Center](#) – formerly owned by Ramsey County, the [facility next to Aldrich Arena](#). Ramsey Soil and Water did some rain garden planning for the area, but it's looking a bit bigger (new structures, trench drains, revegetation).
 2. [St. Paul Youth Services](#) – green roof on their office facility. Formerly a 3M bank, currently undergoing structural assessment. [Near Sunray Library and Conway Rec Center](#).
 3. [Maplewood Toyota](#) – retrofit of parking lot. Some vintage BMPs possibly required by Maplewood back in the day. Potential adjacent habitat improvements as it is adjacent to Kohlman Lake.
 4. Apostolic Bible Institute – identified potential water quality benefits for flood risk reduction project

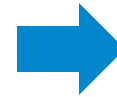
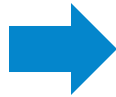
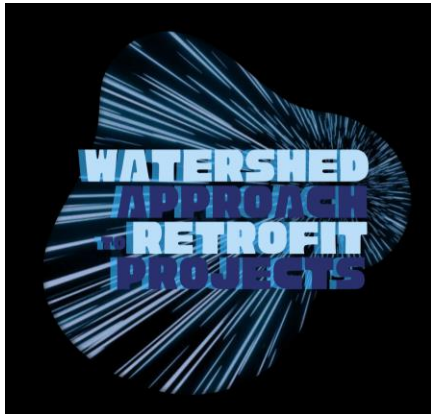


What Happens After WARP?



If property owners on board:

- Targeted Retrofit and/or Capital Project: Complete design or feasibility study of site(s) each year, develop project specific scoring to put into WQ prioritization tool
- Stewardship Grant: design assistance, cost-share, start process
 - Potentially develop simplified scoring if there are multiple projects



Water Quality Projects

Feasibility Studies, Capital/Targeted Retrofit Projects

Stewardship Grants

Prioritization Tool

Final Design / Implementation



Next Steps



- Track pilot site visit information in retrofit inventory webmap
- Technical memo summarizing WARP
- Incorporate WARP into Watershed Management Plan update process
- Annual updates to WARP:
 - Check if any new base data is available to update heat map creation
 - Check if any coarse criteria has changed (i.e., property type)
 - Check scoring criteria to see if any changes would score properties higher (i.e., city ordinances around church parking lots)
 - Keep working through list (site evaluation for next projects on the 1,000 list) and/or visit sites with updated scoring
 - Contact properties with follow-ups (see GIS tool)

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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 31, 2024

A. Meetings Attended

Tuesday, July 9	8:30 AM	MAWA Executive Committee
	3:00 PM	Targeted Retrofit Project Discussion
Wednesday, July 10	6:30 PM	Board Meeting
Thursday, July 11	11:00 AM	Regulatory Program Discussion
	1:30 PM	St. Paul HRA Parcels
Tuesday, July 16	8:30 AM	Lose the Lawn Presentation by Paul
	10:30 AM	Communications Program Discussion
	1:00 PM	Program Manager Team Meeting
	7:00 PM	Metro Watersheds Meeting
Thursday, July 18	8:30 AM	Stormwater Research Council Annual Meeting
Friday, July 19	11:00 AM	Barr Project and Budget Meeting
Monday, July 22	12:00 PM	Lunch and Learn: New Voices in Old Places
Tuesday, July 23	2:00 PM	Metro-INET Quarterly Board Meeting
Wednesday, July 24	10:00 AM	MW Events and Education Committee
Thursday, July 25	11:30 AM	Administrator's Meeting
	1:30 PM	Flood Risk Reduction Project Planning
Friday, July 26	10:00 AM	Fish Creek Tributary Planning Meeting

B. Upcoming Meetings and Dates

September Board Meeting	September 4, 2024
CAC Meeting	September 24, 2024
October Board Meeting	October 2, 2024
Metro Watersheds Meeting	October 15, 2024
CAC Meeting	October 22, 2024
November Board Meeting	November 6, 2024
Watersheds Excellence Awards	November 21, 2024
Minnesota Watersheds Annual Conference	December 4-6, 2024
CAC Meeting	December 3, 2024
December Board Meeting	December 11, 2024

C. Staff Anniversaries

The following staff have work anniversaries with the watershed in the month of August. I appreciate Nicole and thank her for her commitment to the District and our mission!

August 21	Nicole Maras	11 years
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D. Board Action Log and Updates

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

E. Minnesota Watersheds Updates

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

After the summer tour, it is a little quieter in the Minnesota Watersheds world, although preparations are being made for the upcoming annual meeting. The notice for nominating awards has come out, and staff are considering options for both program and project of the year. If you have any suggestions, please let me know.

F. Staff Updates

Over the last 18 months, we have seen a lot of changes at RWMWD regarding our staff and organizational structure. I have been so thankful for how we have navigated the changes. I have seen so many positive things come out of the organizational changes and look forward to continuing in that direction.

I am delighted to announce that the next addition to our staff will be in our regulatory program. The adopted organizational chart indicated a future staff person to help Nicole and Mary in the regulatory program. Kendra Kloth has been interning with them this summer, and we have offered her a full-time position as a Regulatory Technician. Kendra will be our construction site inspector, monitoring and inspecting closed permit BMPs for maintenance needs. Kendra will assist Nicole with Wetland Conservation Act (WCA) and Illicit Discharge, Detection, and Elimination (IDDE) duties. We are very excited to have Kendra join our staff. Kendra is also on the agenda for this meeting to show the work she has been doing as an intern this season.

At the other end of the spectrum, Sage Passi has made a big announcement to staff and would like you to know. After 23 years at the District working tirelessly in education programs with schools and adults, she plans to retire. Sage's last day will be December 16, 2024. Over the next several months, Lauren, as the Communications and Outreach Program Manager, will work with Sage and Carrie to evaluate the education in our school program and the work Sage has done with adult education. The impact of Sage's work will be felt for years to come, and we look forward to the next generation of education in our watershed. We will be working on a way to celebrate Sage and recognize her time here. A gathering will be planned for December.

Board of Managers 2024 Action Log

Wednesday, August 7, 2024

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

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Project and Program Status Reports

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Memorandum

To: Board of managers and staff
From: Tina Carstens, Brad Lindaman, and Erin Anderson Wenz
Subject: Project and program status report: August 2024
Date: July 31, 2024

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

Project feasibility studies

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

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

No activity occurred this month. The Housing and Redevelopment Authority (HRA) board continues to review its property portfolio and develop a long-range plan for several properties, including those near Ames Lake. The RWMWD is waiting for direction regarding whether the HRA-owned property near Ames Lake can be used for flood risk mitigation. The HRA is targeting fall 2024 to finalize its recommendations.

Following receipt of feedback from the city and HRA, a feasibility report will be prepared documenting considered concepts, stakeholder feedback, cost estimates, permitting requirements, and recommendations for future system modifications. Although the draft report is anticipated to be available for RWMWD review this fall, the schedule is dependent on when HRA feedback is received. An MPCA Implementation Grant for Stormwater Resilience application was submitted for the project, which, if funded, would offset RWMWD funding. Final design and construction are dependent on input from the HRA but are anticipated to take place in 2025 or later. Notification of whether the project will receive MPCA grant funding was scheduled for July 2024; currently, the MPCA has not yet made an announcement.

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

The purpose of this study is to evaluate modifications to reduce flood risk near Phalen Village north of Lake Phalen by lowering flood levels to remove structures from the 100-year floodplain. The

feasibility study was completed in 2022. In 2024, the RWMWD is working with the City of Maplewood to incorporate modifications to the storm sewer system into the city's 2024 street improvement project. This is a follow-up planning study identified in the Beltline resiliency study.

Barr and the RWMWD staff have submitted information to the City of Maplewood to support modifications to the storm sewer system along East Shore Drive. The city is proceeding with the construction of storm sewer modifications, except for the final pipe segment, which is on private property. The property owner requested to meet with the city prior to granting access to the property, which must occur in order to construct the final pipe segment. After access is granted, the wetland boundary will be field verified. Construction of storm sewer modifications will occur this summer as part of the Maplewood's street improvement project.

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

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

This period, Barr coordinated with RWMWD to deliver a summary of street sweeping and structural BMP cost-benefit information to share with Maggie Karschnia from the University of Minnesota (UMN). Maggie originally reached out to learn more about the RWMWD enhanced street sweeping study. Maggie will incorporate information provided by RWMWD into the ongoing UMN "Clean Sweep" educational series.

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

The purpose of this effort is to conduct a comprehensive assessment of Maplewood Mall, similar to the effort conducted in 2018. The assessment leverages an iPad field data application to collect information on the site's tree trenches, rain gardens, porous pavers, and educational features. This effort will help define tree replacements in groves where trees are doing poorly (especially in the north and northwest tree groves) and to guide repairs for a garden that is no longer draining properly.

On May 23, the RWMWD and Barr collected information about the health of plantings and trees as well as the structural integrity of features across the parking lot. We recorded the information and photos in an iPad data collection app that can be used to create maps, which will be included in the assessment report completed later this year. Overall, the site has fared well over the last 15 years. Recommendations for repairs, as well as any necessary tree and planting replacements, will be included in the report.

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

In 2022 and 2023, Barr reviewed the history of the retrofit program to help inform considerations for future projects. This "retrofit inventory" resulted in an updated database of over 17,000 properties

and geographic information system (GIS) maps of built and considered projects. In 2024, Barr will work with the district to consider the intersections between the database and other district-wide initiatives and information to guide retrofit project selection more systematically.

This period, Barr and the RWMWD conducted site visits to identify potential candidates for either retrofit or stewardship grant projects and natural resources projects. The three sites that were identified as projects for 2025 include Cochran Recovery Center, St. Paul Youth Services, and Maplewood Toyota. Barr will present a summary of the WARP development at the August board meeting.

Project operations

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

The purpose of this project is to continuously measure and record lake levels and display real-time and historical data in graphs on the RWMWD website for the following lakes: Phalen, Snail, Owasso, Wabasso, West Vadnais, Battle Creek, Tanners, Spoon, and Twin. Typical operation and maintenance tasks for the lake level stations and associated webpage continue. A few station-specific updates are included below.

Tanners Lake station

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

Twin Lake station

The Twin Lake station experiences frequent cellular signal issues. The RWMWD and Barr ordered a new directional antenna and external modem to hopefully correct the issue. Additionally, the GFCI outlet often trips so that the battery charger does not maintain the station battery. The RWMWD and Barr are currently troubleshooting this problem.

New rain gages (Phalen, Tanners, Owasso, West Vadnais, Spoon, Snail, and Twin)

The six new rain gages installed earlier this spring are functioning well and recording data. Currently, the rain data is being uploaded to the VDV (Vista Data Vision) web page, which the RWMWD and interested municipalities can view. The district is considering options for displaying the data on its website.

Capital improvements

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

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

Throughout the month of July, the RWMWD and Barr developed a contract with Peterson Companies to construct the Woodbury Target stormwater retrofit project. Establishing a contract price involved summarizing already-completed work, documenting on-site but not-yet-installed materials, and outlining to-be-completed work. Additionally, plan sheets and specifications were updated to reflect the remaining contract items.

A pre-construction meeting was held with the RWMWD, Barr, and Peterson Companies on July 25. Construction resumed on July 29. Civil construction tasks will likely take three to four weeks to complete, depending on the weather. Restoration and planting tasks are expected to occur in early September.

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

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

Roosevelt Homes is a flood-prone multi-family housing area owned by the Saint Paul Public Housing Authority. For the first part of this one- to two-year phased retrofit, two stormwater basins were constructed in late 2023. In March, the board approved contracting for the vegetation components to be planted early in 2024. Vegetation was planted for the second phase, and prairie restoration is underway, waiting to be seeded in September.

Barr provided a project overview at the Minnesota Watersheds Summer Tour. This month, we confirmed owner design preferences and prepared 95-percent design drawings. Pending final modeling, we anticipate submitting to the City of Saint Paul plan review process in August. An MPCA Implementation Grant for Stormwater Resilience application was submitted for the project, which, if funded, would offset RWMWD funding. Notification of whether the project will receive grant funds is anticipated in July.

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

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

The RWMWD and Barr have met potential project partners and visited sites to determine potential projects for 2025 retrofits. WARP mapping parcel information was cross-referenced with each site, and three are likely to move forward: Saint Paul Youth Services green roof, Maplewood Toyota BMP retrofit, and landscape improvements and BMP retrofits at Cochran Recovery Services in Maplewood. Barr will gather base information for each property to move forward with preliminary design.

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

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

Demolition of the Woodland Hills Church parking lot was discussed at the June board meeting. Since then, Barr has met with the property owner and contractor to determine the best path forward. Excavation of the parking lot is planned for late July, and Barr provided a revised grading plan to help balance the grading and limit trucking required for the site.

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

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

To date, Peterson Companies has completed the following: dewatering; lowering of the channel below the existing pedestrian bridge between the north and south basin; installation of the wooden skimmer, intake structure, and grading; preparation of the subgrade; electrical conduit installation; restoration of specific areas; and pipe modifications in the pavilion building. Limited work was completed in the last month. Pay application 1 has been reviewed and approved. Upcoming work will include connections to the existing irrigation system, concrete pad reinforcement and pouring, and final stabilization of the site. Per a final timeline from WaterTronics, delivery of the pump and treatment system is not expected until late August, and Peterson Companies will return then to install, connect, and bring the reuse system into operation.

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

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

This month, Barr continued updating the 100-percent design plans and technical specifications. Additionally, we reviewed the property appraisals from Capital Appraisals for the purchase of a 60-foot permanent easement over the stream corridor. Barr prepared a memorandum, included with this month's board packet, requesting authorization for the RWMWD to pursue acquisition of the permanent easement and have Galowitz-Olson draft the purchase agreements.

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

The purpose of this project is to design and restore a degraded wetland on City of Shoreview property near the Cottage Place cul-de-sac. The project will involve creation of plans, bidding, and

construction administration to provide additional stormwater treatment and restore wildlife habitat in the area.

This month, Barr coordinated construction contracting with Dimke Excavating following its successful bid award. After receiving the formal notice-to-proceed document, we will schedule a preconstruction meeting with the contractor. On-site invasive species management may occur this summer, but major construction operations will not start until after November 15 to avoid potential impacts to bats and birds.

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

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

This period, Barr reviewed submittals from Bituminous Roadways, including shop drawings for the box culvert. Additionally, we met on site with Ramsey County Parks to discuss the project and review an infestation of bristly locust, which the RWMWD subsequently removed. Barr also met on site with private utilities to review the potential relocation of an overhead utility line that crosses County Road C. Finally, we attended a pre-construction meeting for Ramsey County's pavement rehabilitation project, which includes the portion of County Road C within the RWMWD's project area. Bituminous Roadways is the prime contractor for the pavement rehabilitation project, which will streamline coordination with the culvert replacement this fall. The estimated earliest delivery of the box culvert is still September 16, 2024, as of July 23 (from discussion with the Bituminous Roadways project manager). Barr will continue to work with Bituminous Roadways on this schedule change and will keep Ramsey County informed.

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

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

This period, Barr coordinated with the City of Maplewood to evaluate raising an access road to prevent the 100-year flood from impacting structures south of County Road C. From prior conversations with Ramsey County Parks, we learned that the access road is actually within City of Maplewood right of way. Barr and the RWMWD also inspected the creek condition downstream (north) of the County Road C crossing to determine how changes to the flow duration curve may affect erosion of the creek bed and banks. Inspection results will be summarized in the coming months, along with recommendations to minimize further erosion while maintaining the project's flood risk reduction benefits. Design of modifications to reduce flood risk along Kohlman Creek will continue through 2024. The tentative schedule is to solicit bids during winter 2024-2025 and

construct in summer 2025.

CIP project repair and maintenance

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

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

Recently, Barr and the RWMWD met to discuss ownership and maintenance responsibilities associated with all past district projects for updates to the district's database and inspection lists. In addition, some minor maintenance was conducted on the Keller channel control structure.

Annual inspections of district sites, in preparation of the 2025 CIP project, started on July 17—a bit earlier than in past years. The early start is an effort to avoid tight survey and sediment testing schedules, as well as to incorporate the additional inspections that were identified in the ownership and maintenance responsibility discussion mentioned above.

Q. 2024 CIP maintenance and repairs projects (Barr project manager: Gareth Becker; RWMWD project manager: Dave Vlasin)

The purpose of this effort is to maintain the RWMWD's existing capital improvement projects through this annual maintenance project.

All work is complete, and payment application 6 (final) has been recommended for payment and is included in the August board packet. This payment application includes release of all retainages. The final check will be held until Fitzgerald Excavating Inc. submits its IC-134 form, which is a formal affidavit that the work is complete, and that the contractor and all of its subcontractors have fulfilled the requirements of Minnesota withholding tax laws.

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

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

In July, the managers approved the bid award to Minger Construction. We assisted the district in providing the notice of award, reviewing the initial submittals, and facilitating contract execution. Construction and repair are planned for late fall and winter 2024-2025.

S. Natural resources update: Paul Erdmann

Phalen Paper I am happy to share with the Board that Bill Bartodziej's "swan song," the Phalen paper, was published in the journal Ecological Restoration in June. Co-authored by Sue Galatowitsch, "Urban Lake Shoreland Restoration- Landform, Vegetation, and Management Assessment 20 Years Later" looks back at the Lake Phalen shoreline restoration using

Phalen West Shoreline

comprehensive records and field assessments to evaluate the project. The District provided funds so that the paper is open access so anyone with a link can view the article, and to allow for wider distribution: <https://er.uwpress.org/content/42/2/87>

Some key takeaways from the article include:

- “Lake Phalen restorations are among the earliest documented efforts to reverse shoreland degradation. An analysis of project records offers guidance for stabilization methods, species selection and post-restoration management requirements.”
- “The level of intervention needed to achieve desired shoreland vegetation outcomes is a function of pre-restoration conditions and landscape context.”
- “Ongoing management is a sound return on investment. Annual management costs steadily declined and were generally 2–3% of initial project costs ten years post-restoration.”



A critical assessment of a well-established shoreland restoration has never been reported in the literature. The Phalen paper will help researchers and practitioners moving forward. Natural Resources staff will be working with Communications staff in the coming months to share information from the article to interested professionals and the public, along with the online publication of the Phalen Guide.

Our District Board has a long history of supporting one of the largest and most successful lakeshore restoration projects in the state, starting over 20 years ago when shoreline restoration was in its infancy. The Phalen restoration has been a catalyst for many other similar projects, and it has been an incredible benefit to the local ecosystem and community. The Natural Resources team looks forward to continuing this important legacy and building upon past strengths.

Continued Maintenance of Restoration Sites

After a few busy months of playing catch up, we are largely caught up on maintenance and all of our sites are looking great. The NR crew took on a special project by removing [bristly locust](#) that was growing in the ROW of the upcoming County Road C Culvert replacement project. Bristly locust is a non-native shrub that is not widespread in Minnesota but has been found to be highly invasive in other states. Special thanks to Mark and Carole Gernes who clued us in to this population so it could be managed properly before construction begins.



Bristly locust, pretty plant, pretty invasive

Water Quality and Natural Resources

Team-Up To maintain their Audubon International Cooperative Sanctuary certification, Keller Golf Course monitors the water quality of several ponds on the course. In July, Water Quality and Natural Resources staff towed a canoe behind a golf cart and collected data and water samples at three ponds on the course. Golfers were intrigued and amused at the site of this important data being collected by our staff.



"Mind if we play through?" Joe and Lyndsey on KGC

Aquatic Plant ID Workshop In late July, NR staff attended an aquatic plant identification workshop put on by the DNR and University of Minnesota at the UMN St. Paul campus. Over 82 native and non-native aquatic and wetland plants were on display including broad- and narrow-leaved pondweeds, macroalgae, finely-dissected leaved plants, basal rosettes, floating leaf plants, emergent plants, and more. Identification skills gained at the workshop will help us perform aquatic plant surveys and also assist us with critical early detection of Aquatic Invasive



NR Interns, L-R Sommer, Emilia & Bjorn study aquatic plants



New AIS to watch out for- Water garden escapees L-R Water hyacinth, Yellow floating heart, Water lettuce

T. Public involvement and education program: Sage Passi

Reverence for Native Plants and Water - Stewards and Naturalists In Action



Left: Michele Anderson has been championing St. Peter Catholic School's huge demonstration garden in North St. Paul since 2008. (Center) Brian Frank, a new Water Steward in 2024 demonstrates his passion for native shrubs. (Right) Bobbie Scott, a Water Steward in east St. Paul began converting her boulevard to native plants in 2019, then went on to do her backyard. This year she is transforming her steep front yard slope into a tapestry of native plants that can keep erosion in check and inspire her neighbors.

This is a favorite time of year for me to visit stewardship projects I have had some small or major role in supporting. The common ingredients are people's love of gardening, passion for protecting water and a serious dedication and desire to inspire others to join in this mission. It's inspiring to witness the bounty of people's enthusiasm, strong sense of stewardship and eagerness to learn, a willingness to experiment and show other people what can be done by being examples. This month I am choosing to illustrate a range of projects I have been graced to help support, encourage, witness and appreciate! With all the rain this year, many of these projects have demonstrated their capacity to thrive and show us their capacity to soak it in and shine! Photos below are at St. Peter's Catholic School. Center (Michele Anderson in action!).



Michele Anderson, a retired teacher at St. Peter Catholic School and Master Naturalist moved out to Woodbury a few years ago after teaching at this school in North St. Paul for many years. But she still makes the commute regularly to be a very dedicated steward of this large demonstration native garden initiated in 2008. The garden has more than 40 species of native plants.

Her dream for this project was first inspired by taking a *Monarchs in the Classroom* course taught by internationally renowned University of Minnesota conservation biologist and expert on monarch butterflies, Karen Oberhauser. This launched the huge restoration project with her classes that I had the joy of being a part of creating. When I met with Michele a couple weeks ago at the school she was unloading twenty bags of mulch to replenish the garden and she would return with another round of the same amount later that day. This garden, truly a labor of love and stewardship for many years was awarded a LEAP Award in 2012 and chosen as one of three stops on the Exceptional LEAP Award public tour this summer on July 22, 2024.

I have very fond memories of working with fourth grade teams of her students to help design the many sections of this work of art, ordering the plants and coordinating the Master Gardeners and students who helped with this project. Jaci Krogh, another 4th teacher at the school who also retired a few years ago, continued the mission of engaging her fourth-grade classes at this school and their after-school programs in the care and stewardship of this garden until she too retired. She continues to volunteer to help students with educational projects related to the garden and partners with Michele in the care of the garden. Recently she helped classes create bee houses for native bees and make plant signs for the garden. These former teachers were both awarded our Watershed Excellence Award in 2021 for their outstanding engagement of their students in watershed stewardship.

Brian Frank's Water Steward Capstone Project in East St. Paul



To address slope issues on his property (center) Brian Frank is in the process of setting up an elaborate control system with rain barrels and hoses in his front and back yards to direct water to where it is needed so it is not wasted by draining down the slope and then into the alley (left) and onto the street. Right: Nets are helping keep Japanese beetles away from his native shrubs.

I recently had the opportunity to visit with Brian Frank at his yard on the east side of St. Paul. He is a Water Steward going through the current training program this year. Brian gave me a tour of his yard and showed me the projects in motion for his capstone. He is turning his yard into a maze of native shrubs, many that will bear fruit and is also including many native prairie plants. The shrubs he has planted include Downy Serviceberry (*Amalanchier arborea*), Nannyberry (*Viburnum lentago*), Wild American Plum (*Prunus Americana*), Hazelnut (*Corylus Americana*), Pin cherry (*Prunus pensylvanica*), and elderberry (*Sambucus canadensis*). He has also been busy creating a series of rain

barrels to capture the run-off from his yard that would otherwise travel down the steep slope to his backyard, then down the alley and into the street. He will use this captured rainwater to irrigate his many shrubs and native plants when rain is scarce.

John Chikkala’s Woodbury Water Steward Capstone Project

In late July I drove to Woodbury to check up on the progress on John Chikkala’s Water Steward capstone project at his home. It was in a planning phase for a year and a half with a delay in implementation due to a shortage of available landscape contractors. I arrived at the end of a site visit by Lori Tella, Washington Conservation District’s Landscape Restoration Specialist as John and she were assessing the progress of his project. The planting of this project was less than a month ago.

The main goals for his project are to 1) reduce erosion on the hillside behind his house, 2) create a native woodland planting of forbs, grasses and shrubs to help stabilize the slope, 3) slow the large amount of run-off from Valley Creek Road on the road above his property, 4) eliminate mowing on this slope and 5) create a rain garden to solve run-off problems that were impacting a neighbor’s property. Several issues were discussed including foraging by rabbits, correcting some lawn damage done at the entrance to the project as well as the possibility of helping John access some plants that were not available through the contract for the project. Congratulations on getting this project down the road, John! We look forward to seeing your gardens grow!



U. Communications and outreach program: Lauren Hazenson

Current Projects

Departmental Planning

The newly formed Communications and Engagement Department has focused this month on team building, goal setting for the fall, and role transition planning. Specifically, we have focused on expanding our adult education offerings, evaluating the current school-based program to continue its success, and laying the groundwork for large 2025 campaigns.

Event Outreach

This month the Communications and Engagement team staffed tables at the following events:

To: Board of managers and staff
From: Tina Carstens and Brad Lindaman
Subject: Project and program status report–August 2024
Date: July 31, 2024

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- Woodbury Farmer's Market (7/21)
- Maplewood Farmer's Market (7/24)
- White Bear Lake MarketFest (7/25)

Drone Filming and Eastside Project Video

Drone videos were captured at several restoration sites this month, including Keller Golf Course, Lake Owasso shoreline, and Keller Lake shoreline. This footage showcases the large scale of the sites and provides a unique and dynamic vantage point to capture and retain the audience's attention.

We also began filming a video that will feature projects surrounding one intersection on the east side of St. Paul. Roosevelt Homes and Eastside Boys and Girls Club show the cumulative impact of best management practices on neighborhood and community scale concerns, like localized flooding.

Watershed Excellence Awards

The initial draft of the Watershed Excellence Award nomination form was completed, which will be reviewed by the Citizen Advisory Committee via email next month. The goal of providing this form is to widen the pool of nominees by eliminating the effort required by external nominators to discern what would meet the Excellence Award requirements. A rotating staff team was also selected to provide the initial review of applications to ensure they have a clear connection to watershed management or work that has a significant impact on water quality, flood risk mitigation, or erosion control within the district.

Newsletter

Opens: 38.7 %

Clicks: 1.9%

Subscribers: 1,635

Note: Our newsletter this month was categorized as phishing by Gmail, Outlook and other providers due to an authentication issue. This likely impacted the open rate. We are working with MetroInet to resolve the error.

Social Media (Facebook, YouTube, Instagram)

Facebook

Reach: 838

Engagement(likes, shares, comments): 58

Followers: 1,733

Instagram

Reach: 1,271

Engagement: 54

Audience: 938

Youtube

To: Board of managers and staff
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Views: 653
Watch time (hours): 13.3
Subscribers: 345
Viewers: 554

LinkedIn

Reach: 724
Audience: 439

Resident Communications/Professional Development/ Public Meetings, Misc.

- Exceptional LEAP Tour support (7/22)
- Ramsey County Master Gardner presentation with Paige Ahlborg (7/16)
- MAGC webinar: First Amendment pitfalls for government communications (7/31)