



AUGUST						
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RCWD BOARD OF MANAGERS REGULAR MEETING AGENDA

Wednesday, August 13, 2025, 9:00 a.m.

Mounds View City Hall Council Chambers
2401 County Road 10, Mounds View, Minnesota
Virtual Monitoring via Zoom Webinar

Join Zoom Webinar:

<https://us06web.zoom.us/j/82600505863?pwd=J0a4mfaUHIM6RPtHOWQjaQp5UkqaK2.1>

Passcode: 226654

+1 312 626 6799 US (Chicago)

Webinar ID: 826 0050 5863

Passcode: 226654

Agenda

CALL TO ORDER

ROLL CALL

OPEN MIC/PUBLIC COMMENT

Any RCWD resident may address the Board in his or her individual capacity, for up to three minutes, on any matter not on the agenda. Speakers are requested to come to the podium, state their name and address for the record. Additional comments may be solicited and accepted in writing. Generally, the Board of Managers will not take official action on items discussed at this time, but may refer the matter to staff for a future report or direct that the matter be scheduled on an upcoming agenda.

SETTING OF THE AGENDA

APPROVAL OF MINUTES: JULY 23, 2025, REGULAR MEETING; AUGUST 4, 2025, WORKSHOP

CONSENT AGENDA

The following items will be acted upon without discussion in accordance with the staff recommendation and associated documentation unless a Manager or another interested person requests opportunity for discussion:

Table of Contents-Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
25-051	City of Blaine	Blaine	Final Site Drainage Plan Street & Utility Plan Public/Private Drainage System Wetland Alteration Floodplain Alteration	CAPROC 12 items

4325 Pheasant Ridge Drive NE #611 | Blaine, MN 55449 | T: 763-398-3070 | F: 763-398-3088 | www.ricecreek.org

BOARD OF
MANAGERS

Jess Robertson
Anoka County

Steven P. Wagamon
Anoka County

Michael J. Bradley
Ramsey County

Marcie Weinandt
Ramsey County

John J. Waller
Washington County

Table of Contents-Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
25-054	Northern Natural Gas	Scandia	Final Site Drainage Plan	CAPROC 8 items
25-064	Jeff Kempf	Blaine	Final Site Drainage Plan Land Development Public/Private Drainage System Wetland Alteration Floodplain Alteration	CAPROC 17 items
25-068	Northern Heights Lutheran Church	Arden Hills	Final Site Drainage Plan	CAPROC 8 items

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD District Engineer's Findings and Recommendations, dated August 4, and August 5, 2025.

Water Quality Grant Program Cost Share Application (Molly Nelson)

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reduction	Funding Recommendation
A25-01	Kathleen Hegge	Fridley	Shoreline Restoration & Stabilization	\$21,115.00	Volume: 2,055 cu-ft/yr TSS: 1,627.5 lbs/yr TP: 1.302 lbs/yr	50% cost share of \$21,115.00 not to exceed 50%; or \$10,000 whichever cost is lower
A25-02	Michelle Verzal	Circle Pines	Shoreline Restoration & Stabilization	\$8,706.75	Volume: 1,288 cu-ft/yr TSS: 1,732.5 lbs/yr TP: 1.39 lbs/yr	50% cost share of \$8,706.75 not to exceed 50%; or \$10,000 whichever cost is lower
R25-07	Heidi Ferris	Shoreview	Raingarden & Slope Stabilization	\$9,863.00	Volume: 2,433 cu-ft/yr TSS: 31.22 lbs/yr TP: 0.13 lbs/yr	50% cost share of \$9,863.00 not to exceed 50%; or \$10,000 whichever cost is lower
R25-08	LaNasa	Arden Hills	Raingarden	\$9,900.00	Volume: 4,642 cu-ft/yr TSS: 64.90 lbs/yr TP: 0.25 lbs/yr	50% cost share of \$9,900.00 not to exceed 50%; or \$10,000 whichever cost is lower

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD Outreach and Grants Technician's Recommendations dated July 7, 2025.

PUBLIC HEARING: ANOKA COUNTY DITCH 53-62 BRANCHES 5 & 6

ITEMS REQUIRING BOARD ACTION

1. Accepting the Engineer's Report for Anoka County Ditch 72 – Partial Abandonment (Tom Schmidt)
2. BWSR Water Quality and Storage Grant Acceptance: Hardwood Creek / Judicial Ditch No. 2 Storage Facility Study (David Petry)
3. HEI Task Order 2025-014 Hardwood Creek / Judicial Ditch No. 2 Subwatershed Storage Feasibility Study (David Petry)
4. 2025 MN Watersheds Resolutions - RCWD Voting and Delegation Decision (Kendra Sommerfeld)
5. Check Register Dated August 13, 2025, in the Amount of \$226,516.33 Prepared by Redpath and Company

ITEMS FOR DISCUSSION AND INFORMATION

1. District Engineer Updates and Timeline
2. Administrator Updates
3. Manager Updates

**APPROVAL OF MINUTES: JULY 23, 2025, REGULAR MEETING;
AUGUST 4, 2025, WORKSHOP**

DRAFT

For Consideration of Approval at the August 13, 2025 Board Meeting.
Use these minutes only for reference until that time.

REGULAR MEETING OF THE RCWD BOARD OF MANAGERS

Wednesday, July 23, 2025

Mounds View City Hall Council Chambers
2401 County Road 10, Mounds View, Minnesota
and

Meeting also conducted by alternative means
(teleconference or video-teleconference) from remote locations

Minutes

CALL TO ORDER

President Michael Bradley called the meeting to order, a quorum being present, at 9:00 a.m.

ROLL CALL

Present: President Michael Bradley, 1st Vice-Pres. John Waller, and Treasurer Marcie Weinandt

Absent: 2nd Vice-Pres. Steve Wagamon & Secretary Jess Robertson –(with prior notice)

Staff Present: District Administrator Nick Tomczik, Regulatory Manager Patrick Hughes, Project Manager David Petry, Technician Emmet Hurley (video-conference), Office Manager Theresa Stasica

Consultants: District Engineer Chris Otterness from Houston Engineering, Inc. (HEI) and District Attorney John Kolb from Rinke Noonan (video-conference)

Visitors:

Manager Waller volunteered to serve in the role of Secretary due to the absence of Manager Robertson.

Motion by Manager Weinandt, seconded by Manager Bradley, to approve Manager Waller to serve as Secretary for today's meeting. Motion carried 3-0.

OPEN MIC/PUBLIC COMMENT

None

SETTING OF THE AGENDA

Motion by Manager Waller, seconded by Manager Weinandt, to approve the agenda as presented. Motion carried 3-0.

READING OF THE MINUTES AND THEIR APPROVAL

Minutes of the July 7, 2025, Workshop and July 9, 2025, Board of Managers Regular Meeting. Motion by Manager Waller, seconded by Manager Weinandt, to approve the minutes as presented. Motion carried 3-0.

ITEMS REQUIRING BOARD ACTION

1. Minnesota Pollution Control Agency Grant Award Acceptance for Jones Lake Project

Project Manager Petry gave a brief overview of the grant from the MPCA for the Jones Lake Project. He noted that the award amount was smaller than they had asked for, but they were able to adjust the scope of their work to be able to complete the final design with the money being offered. He stated that they were still seeking funding for the second phase of construction.

Manager Weinandt asked about the source of the funds and if they were Federal or State funds.

Project Manager Petry stated that he did not have the specific information available, but believed that the source was not Federal funding. He explained that he can research that further and let Manager Weinandt know.

Manager Weinandt stated that she felt it may have come from the infrastructure bill.

Motion by Manager Waller, seconded by Manager Weinandt, to authorize the Administrator to execute the grant agreement to accept \$1,173,207.42 for the MPCA FY25 Stormwater Implementation Grant for the Jones Lake Outlet Modification and Dredging Project.

Manager Weinandt asked what staff were thinking in relation to Phase 2 in light of the way things were going at the moment with Federal and State funding, if that meant District fund use.

District Administrator Tomczik stated that RCD 2,3, and 5 are a whole host of different projects, and they were currently on a key project to augment a large stormwater storage area. He stated that there are other grant opportunities and shared examples of a few that staff were continuing to pursue for funding of the future phase. He explained that with the options the District feels optimistic about receiving funding for the next phase.

President Bradley noted that District Administrator Tomczik had indicated that MnDOT was also investigating areas where they have flooding on the roads, and a purpose of Jones Lake project was to prevent flooding on 35W.

District Administrator Tomczik noted that he believed MnDOT would see great value in this project and believes that the District would have MnDOT's support in asking for funding, but wasn't sure if

72 they would fund the project. He suggested to Project Manager Petry that they include a letter of
73 support from MnDOT in the application submitted to the State.

74
75 District Engineer Otterness stated that there were other groups of people who were significantly
76 impacted by flooding in addition to the 35W area, which meant that there would be a large collective
77 of people who would benefit from this project.

78
79 Manager Weinandt stated she and Project Manager Petry participate in the Climate Action Work
80 Group, and this year they are focusing on water issues and have an interest in manufactured home
81 parks within the north metro area because many of them are located within floodplains.

82
83 Manager Waller read aloud from the paragraph in the staff report that stated that the grant will
84 implement Phase 1 of the Jones Lake Project and include preparation of final construction plans, a
85 bid package, regulatory coordination of the entire project, construction of a new water control
86 structure, sediment forebay, and dredging, as funds allow. He stated that he wanted to make sure
87 the public understood what the Board was trying to do.

88
89 Project Manager Petry noted that District Attorney Kolb had reviewed the grant agreement and had
90 no objections.

91
92 ***Motion carried 3-0.***

93
94 **2. Houston Engineering Inc. Task Order 2025-012: Jones Lake Final Design and Permitting**

95 Project Manager Petry reviewed the request for Task Order 2025-012 for Houston Engineering
96 related to the money received from the MPCA in the previous agenda item. He asked that this task
97 order be for the preparation final design, permitting, and development of the bid documents.

98
99 President Bradley asked if the District had maximized the amount of dredging being done.

100
101 Project Manager Petry stated that it will become more tangible as they further the final design and
102 outline the priorities of the control structure, forebay, and the upstream end connected to the ditch.

103
104 President Bradley asked for an explanation of the forebay.

105
106 District Engineer Otterness explained that a forebay is a smaller pond right at the inlet of the basin
107 that will allow sediment to drop out before it goes into the main part of the lake. He stated that
108 this would increase the life of the basin and noted that something similar was done on the Hansen
109 Park pond.

110
111 President Bradley explained that since the number of properties contributing drainage to the project
112 area is massive, that if the District imposed a Water Management District, it may end up having a

fairly minimal impact on the properties. He stated that his concern would be that if they impost the Water Management District, the District will never get outside funding for the project, which is why he wasn't planning to push it. But, if they aren't going to get outside funding and development of a Water management District charge needed to be done, they need to look internally at how they can get it done with their partners.

Manager Waller suggested that they cross that bridge when they come to it because it was difficult to predict the future.

Manager Weinandt stated that this was a highly industrialized area and asked about the dredge material, where it would be put, and if it would create any challenges.

District Engineer Otterness stated that they had already taken sediment cores at Jones Lake and confirmed that the material was within the lower category as a Level 1 material, which meant it would be suitable for disposal anywhere.

Motion by Manager Weinandt, seconded by Manager Bradley, to authorize the Administrator to execute Task Order 2025-012: Jones Lake Outlet Modification and Dredging Project: Final Design and Permitting for Houston Engineering, Inc., not to exceed \$485,000.00.

Manager Waller pointed out that this would be done in coordination with the City of New Brighton and reminded staff that there are some pretty pictures of automobiles that are underwater in New Brighton, which is a wonderful reason to do this project.

Motion carried 3-0.

3. RCWD 2025 Board of Managers Calendar Adjustment

District Administrator Tomczik stated that during the July 7, 2025, workshop meeting that the Board had discussed a proposed calendar for their upcoming 2026 budget process. He explained that they were proposing adjusting the calendar to have the 2026 Budget Public Hearing at the August 27, 2025, meeting.

Motion by Manager Bradley, seconded by Manager Weinandt, to adopt the revised 2025 Board of Managers Calendar, as presented.

Manager Weinandt asked if they needed to note the Special Meeting scheduled for July 30, 2025, to discuss the budget.

District Administrator Tomczik explained that the Special Meeting had already been noticed.

Motion carried 3-0.

154
155 **4. Check Register Dated July 23, 2025, in the Amount of \$297,565.18 and July Interim Financial**
156 **Statements Prepared by Redpath and Company**
157

158 ***Motion by Manager Weinandt, seconded by Manager Bradley, to approve the check register dated***
159 ***July 23, 2025, in the Amount of \$297,565.18 and the July Interim Financial Statements prepared***
160 ***by Redpath and Company. Motion carried 3-0.***
161

162 **ITEMS FOR DISCUSSION AND INFORMATION**

163 **1. Staff Reports**

164 Manager Weinandt stated that the RCWD Citizens Advisory Committee met with the Coon Creek
165 Advisory Committee and asked Project Manager Petry to give an update on how it went, because
166 he served on that committee.
167

168 Project Manager Petry explained that in December, he had been approached and asked to join the
169 Coon Creek Citizen Advisory Committee. He noted that it has been interesting for him to learn
170 about different, but similar things in another district. He stated that their joint event focused on
171 an art activity and gave a brief overview of some of the hands-on activities that were directed by
172 the resident artist from the Mississippi River Watershed Management Organization.
173

174 Manager Weinandt stated that she felt the CAC continued to be a great outreach into the
175 community. She asked if she understood correctly that Sarah was now the Watershed-Based
176 Implementation Fund coordinator.
177

178 Project Manager Petry briefly explained how Sarah had come to take on the role.
179

180 President Bradley noted that it wasn't included in the staff report, but staff was reaching out to try
181 to fill the 2 vacancies from Ramsey County on the CAC.
182

183 **2. August Calendar**

184 District Administrator Tomczik reminded the Board that their meeting on August 27, 2025, would
185 include the public hearing for the budget.
186

187 **3. Administrator Updates**

188 District Administrator Tomczik stated the Board should receive materials related to the
189 administrator evaluation soon. He noted that precipitation for June and July has been above
190 normal, which means that there were high flow levels being reported by the DNR and were also
191 being seen in Rice Creek. He stated that there were some changes related to the petition the Board
192 had received regarding ACD-72. He stated that the Washington County budget workshop meeting
193 was set for November 4, 2025; however, as President Bradley had pointed out that it would be
194 election day.

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4. Manager Updates

Manager Waller referenced two recent articles published in the Star Tribune regarding rain gardens and muskrats. He also informed the Board of a tour of the Upper St. Croix the afternoon of July 30, 2025, hosted by Washington County and Washington Conservation District. He will be attending.

Manager Weinandt stated that she had attended the Clean Water Council meeting earlier in the week, and they were starting the next round of looking at proposals and trying to get recommendations together for the next biennium. He stated that Commissioner Miron is representing counties on the Clean Water Council, which pleased her because he has been very helpful in informing the Council about the responsibilities of the counties.

Project Manager Petry noted that he had done some research and could answer Manager Weinandt's question related to where the funds came from for the Jones Lake project. He stated that it came from the 2023 legislative session from the Omnibus Environment, Natural Resources, Climate, and Energy Bill, HF 2310, which meant it was State money.

ADJOURNMENT

Motion by Manager Waller, seconded by Manager Bradley, to adjourn the meeting at 9:39 a.m. Motion carried 3-0.

DRAFT

RCWD BOARD OF MANAGERS WORKSHOP

Monday, August 4, 2025

Rice Creek Watershed District Conference Room
4325 Pheasant Ridge Drive NE, Suite 611, Blaine, Minnesota
and

Meeting also conducted by alternative means
(teleconference or video-teleconference) from remote locations

The Board convened the workshop at 9:00 a.m.

Attendance: Mike Bradley, John Waller, Jess Robertson, Marcie Weinandt

Absent: Steve Wagamon-with prior notice

Staff: Administrator Nick Tomczik, Drainage and Facilities Manager Tom Schmidt,
Program Support Technician Emmet Hurley (video-conference), Regulatory
Manager Patrick Hughes, Communications & Outreach Manager Kendra
Sommerfeld (video-conference), Project Manager David Petry, Lake & Stream
Manager Matt Kocian, Office Manager Theresa Stasica

Consultants: District Engineer Chris Otterness-Houston Engineering Inc.

Visitors: Anoka County Commissioner Jeff Reinert

2026 Draft Budget

Administrator Tomczik reviewed with the Board the adjustments made since their last draft budget discussion on July 7th. There was a reduction in the overall budget of 1.4 million from the July workshop version. The largest reductions were made in Fund 60, including the Anoka Chain of Lakes Waters Management Project and Ramsey County Ditch 2, 3 & 5 Basic Water Management Project. Revenue increased due to grants and project anticipation funds, with a projected 3.56% levy increase for 2026. The discussion also covered the categorization of projects into the various funds of the District's budget and discussion on funding sources, with clarification that outside of delegated work board authorization is required. The district has not traditionally borrowed money but rather relies on grants and project anticipation fund for project funding.

The Board reviewed and discussed the proposed budget. They discussed the allocation of funds for Fund 60 Restoration Projects versus Fund 80 Ditch & Creek Maintenance. Staff stated Fund 60 includes any significant project outside of pure ditch maintenance. Staff explained that these projects have multipurpose components which include water quality, flood control, and drainage outside of typical day-to-day maintenance. The Board noted a need to augment Fund 60 title to describe project works and purposes in future document. The Board directed staff to work with District Attorney Kolb to develop an acceptable alternative title for fund 60.

The Board by consensus agreed to publish the draft budget with the adjustment discussed and directed staff to notice the budget public hearing for August 27, 2025, at 9 a.m.

31
32 **Manager & Administrator Updates**

- 33 • Manager Waller updated the Board on a recent White Bear Lake area meeting he
34 attended.
- 35 • Administrator Tomczik informed the Board that White Bear Lake item is scheduled for the
36 August workshop and noting the need to affirm recharge of ground water, Clear Lake
37 water levels high; and new Laserfiche vendor.
- 38 • President Bradley reminded the Board to complete the administrator's mid term review.
- 39

40 The workshop was adjourned at 10:58 a.m.

41

CONSENT AGENDA

The following items will be acted upon without discussion in accordance with the staff recommendation and associated documentation unless a Manager or another interested person requests opportunity for discussion:

Table of Contents-Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
25-051	City of Blaine	Blaine	Final Site Drainage Plan Street & Utility Plan Public/Private Drainage System Wetland Alteration Floodplain Alteration	CAPROC 12 items
25-054	Northern Natural Gas	Scandia	Final Site Drainage Plan	CAPROC 8 items
25-064	Jeff Kempf	Blaine	Final Site Drainage Plan Land Development Public/Private Drainage System Wetland Alteration Floodplain Alteration	CAPROC 17 items
25-068	Northern Heights	Arden Hills	Final Site Drainage Plan	CAPROC 8 items

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD District Engineer's Findings and Recommendations, dated August 4, and August 5, 2025.

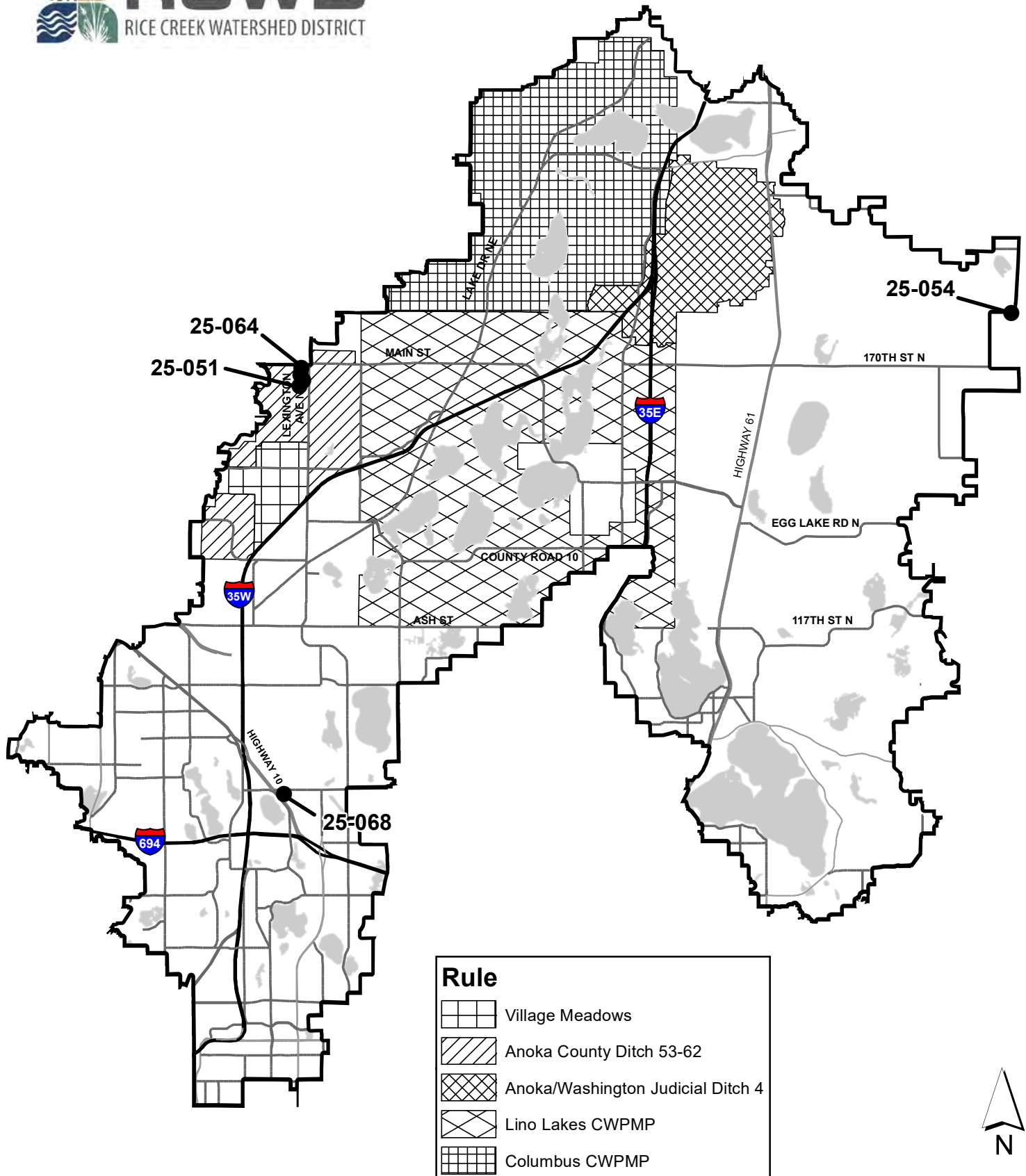
**RICE CREEK WATERSHED DISTRICT
CONSENT AGENDA**

August 13, 2025

It was moved by _____ and seconded by
_____ to Approve, Conditionally Approve Pending Receipt
Of Changes, or Deny, the Permit Application noted in the following Table of Contents, in
accordance with the District Engineer's Findings and Recommendations, as contained in
the Engineer's Findings and Recommendations, as contained in the Engineer's Reports
dated August 4, and August 5, 2025.

TABLE OF CONTENTS

Permit Application Number	Applicant	Page	Recommendation
	Permit Location Map	14	
25-051	City of Blaine	15	CAPROC
25-054	Northern Natural Gas	23	CAPROC
25-064	Jeff Kempf	29	CAPROC
25-068	Northern Heights Lutheran Church	38	CAPROC





WORKING DOCUMENT: This Engineer's report is a draft or working document of RCWD staff and does not necessarily reflect action by the RCWD Board of Managers.

Permit Application Number:

25-051

Permit Application Name:

Zest St and Lakes Parkway NE Roadway Project

Applicant/Landowner:

City of Blaine
Attn: Brent Larson
10801 Town Square Drive NE
Blaine, MN 55449
Ph: 763-785-6188
blarson@blainemn.gov

Permit Contact:

WSB Associates, Inc.
Attn: Roxy Robertson
701 Xenia Avenue South Suite 300
Golden Valley, MN 55416
Ph: 763-762-2844
rrobertson@wsbeng.com

WSB Associates, Inc.
Attn: Kendra Fallon
701 Xenia Avenue South Suite 300
Golden Valley, MN 55416
Ph: 612-201-1361
kfallon@wsbeng.com

Project Name: Zest St and Lakes Parkway NE Roadway Project

Purpose: FSD – Final Site Drainage, S&UC – Street & Utility Plan, PDS – Public/Private Drainage System, WA – Wetland Alteration, FA – Floodplain Alteration; Construction of roadway, utilities and stormwater management.

Site Size: 2,000± LF / 3.76± acres of disturbed area; existing and proposed impervious areas are 0.0 ± acres and 2.23 ± acres, respectively

Location: Various parcels south of Lexington Ave NE and 125th Ave NE, Blaine

T-R-S: NE ¼, Section 11, T31N, R23W

District Rule: C, D, E, F, I

Recommendation: CAPROC

It is recommended that this Permit Application be given Conditional Approval Pending Receipt of Changes (CAPROC) and outstanding items related to the following items:

Conditions to be Met Before Permit Issuance:

Rule D – Erosion and Sediment Control

1. Submit the following information per Rule D.4:

- (c) Name, address and phone number of party responsible for maintenance of all erosion and sediment control measures.
- (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).

Rule F – Wetland Alteration

2. Applicant must provide shape file of wetland boundaries; a condition of approval of the type and boundary delineation.
3. Applicant must provide a “Standard Credit Withdrawal Form”, which is signed by the bank user and the bank seller
4. The applicant must provide proof of BWSR debiting wetland bank for the correct amount and type of wetland credit.
5. As a condition of permit issuance under Rule F.6(e)(9), a property owner must file on the deed a declaration, in a form approved by the District, establishing a vegetated buffer area adjacent to the delineated wetland edge within the final WMC and other wetland buffers approved as part of a permit under this Rule. A draft must be submitted for review prior to recordation.
6. The property owner must convey to the District and record or register, in a form acceptable to the District, a perpetual, assignable easement over the WMC.
7. A map of the final WMC boundary must be prepared and submitted for approval, and a GIS shapefile or CADD file of the final WMC boundary shall be submitted to the District.
8. The applicant must provide a buffer signage plan including proposed signage and placement location for District consideration.

Rule I – Public Drainage Systems

9. Applicant must submit a copy of the dewatering plan (if applicable).

Administrative

10. Submit the permit application with the signature of the successful bidder to the District.
11. Email one final, signed full-sized pdf of the construction plan set. Include a list of changes that have been made since approval by the RCWD Board. Final plans must include the following:
 - Label ditch correctly on the plans as ACD 53-62 Branch 2 Lateral Peebles.
 - Additionally, ensure the EOF is labeled.
12. All stormwater management structures and facilities must be maintained in perpetuity. A public permittee may meet the perpetual stormwater maintenance obligation by executing a programmatic or project-specific maintenance agreement with the District. A draft document should be submitted to the District for consideration prior to execution. (The agreement process requires submittal of the final original signed agreement to the District. If the applicant needs an original of the signed agreement, then two endorsed final agreements should be submitted.)

Stipulations: The permit will be issued with the following stipulations as conditions of the permit. By accepting the permit, applicant agrees to these stipulations:

1. Provide an as-built survey of all stormwater BMPs (ponds, rain gardens, trenches, swales, etc.) to the District for verification of compliance with the approved plans.
2. Provide an as-built survey and computation of the floodplain fill and mitigation storage areas and volume for verification of compliance with the approved plans.
3. Provide an as-built survey of wetland boundaries, quantifying the wetland impact area for verification of compliance with the approved plans

4. Provide an as-built survey of all pipe sizes and invert elevations of culverts on ACD 53-62 Branch 2 Lateral Peebles to verify location and elevation with the approved plans.
5. Installation of permanent, freestanding markers at development side edge of buffer, wetland or otherwise, with a design and text approved by District staff in writing and in compliance with the approved plans

Exhibits:

1. Updated plan set containing 78 sheets dated 7-24-2025 and received 7-24-2025
2. MS4 Permit application receipt, received 5-2-2025
3. Updated Stormwater Calculations, dated 7-23-2025 and received 7-24-2025, containing narrative, geotechnical report with soil borings, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
4. Stormwater Calculations, dated 4-30-2025 and received 5-2-2025, containing narrative, geotechnical report with soil borings, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
5. Comment response letter, dated and received 7-24-25.
6. WCA replacement plan joint application dated and received 5-19-2025.
7. Updated joint application dated and received 8-4-2025.
8. Permit file 19-036, Review file 24-165R & 18-117R.

Findings:

1. Description – The public linear project proposes to construct a new roadway with utilities and stormwater management, located in Blaine. The project will increase the impervious area from 0.0± acres to 2.23± acres and disturb 3.76± acres overall. A portion of the new road will flow north towards an existing NURP Pond from permit 19-036. Majority of the site flows south to a NURP Pond southwest of the proposed road discharging to ACD 53-62 Branch 2 Lateral Peebles. All flows ultimately discharge to Golden Lake, the Resource of Concern. The applicant is a public entity and therefore is not charged an application fee.
2. Stormwater – The applicant is proposing the BMPs as described below for the project:

BMP Description	Location	NURP requirement	Volume provided	EOF
Proposed (NURP) Pond	Southend of Lakes Parkway	0.388 AF	0.396 AF	898±**
Existing Stormwater Pond	West of Zest Street NE	0.94 AF*	1.64 AF	901.0

*Includes both 19-063 and current permit requirement

**Applicant to label on final plans.

Soils on site are primarily HSG B consisting of sand with silt (SP-SM). However, infiltration is not considered feasible due to a high seasonal water table. Thus, the NURP Ponds are acceptable to meet the water quality requirement. The new/reconstructed impervious area is 2.23± acres. Per Rule C.6(c)(1), the Water Quality requirement is governed by the NURP sizing requirement of 2.5-inches of run-off over the contributing area to the pond.

The pond sizing, and outlets and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 100% of the required impervious area. Additional TSS removal is not required. The applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(d).

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
Existing NURP Pond	2.4	2.4	4.6	4.6	9.2	9.3
ACD 53-62 Br 2 Lateral Peebles	1.3	1.0	5.5	4.2	18.7	13.9
Lexington Avenue	0.4	0.0	2.0	0.0	7.7	0.0
Totals	4.1	3.4	12.1	8.8	35.6	23.2

The project is not located within the Flood Management Zone. The increase from the existing NURP in the 100-year is within model tolerance. The applicant has complied with the rate control requirements of Rule C.7.

The applicant has complied with the freeboard requirements of Rule C.9(h).

3. Wetlands –Wetlands were delineated under review file 24-165R with boundary decision, issued on 11-6-2024, which remains valid.

The project area is located within the Anoka County Ditch 23-62 CWPMP boundary and is subject to Wetland Management Corridor (WMC) requirements.

A replacement plan application was submitted to the District for proposed wetland impacts. The application included the required MnRAM analysis of the wetland basins; delineation of the site level WMC and alternative analysis. The application was noticed to the TEP on 6-13-2025 and the comment period closed 7-9-2025. The TEP commented requesting additional information to ensure reduction of wetland impacts over time, and requested a 3:1 replacement ratio for after-the-fact replacement to Wetland 9 consistent with WCA Decision 18-117R dated 10/19/2018. The applicant has addressed all comments.

The applicant also requested a no loss determination for 47 ft² of temporary impact to Wetland 8 during the construction of a stormwater feature. The wetland will be restored to existing conditions and seed with wetland rehabilitation seed mix 34-172. The LGU finds that the temporary impacts qualify no-loss criteria 8420.0415 Subpart H.

The applicant has provided an alternatives analysis, including discussion of impact avoidance, minimization and mitigation. Applicant has provided a no-impact alternative. The applicant has reasonably avoided and minimized wetland impacts to the extent possible. The applicant has addressed all comments and the TEP concurs that WCA impact sequencing is met, use of a wetland bank is preferred and that the wetland protection afforded will not be less than that resulting from application of standard WCA criteria.

Impact/Mitigation Table

<u>Wetland Name (Location)</u>	<u>Impact Amount (ac)</u>	<u>Replacement Ratio</u>	<u>Required (ac)</u>
<u>Wetland 1 (Fill)</u>	<u>0.0704</u>	<u>2:1</u>	<u>0.1408</u>
<u>Wetland 1 (Cut)</u>	<u>0.0156</u>	<u>2:1</u>	<u>0.0312</u>
<u>Wetland 5 (Fill)</u>	<u>0.0079</u>	<u>1:1</u>	<u>0.0079</u>
<u>Wetland 8 (Fill)</u>	<u>0.0887</u>	<u>2:1</u>	<u>0.1774</u>
<u>Wetland 8 (Cut)</u>	<u>0.0761</u>	<u>2:1</u>	<u>0.1522</u>
<u>Wetland 9 (Fill)</u>	<u>0.0558</u>	<u>3:1</u>	<u>0.1674</u>
<u>Wetland 9 (Loss of Hydrology)</u>	<u>0.1128</u>	<u>3:1</u>	<u>0.3384</u>

The property owner must file on the deed a declaration in a form approved by the District establishing a vegetated buffer area adjacent to the delineated wetland edge within the final WMC and other wetland buffers approved as part of a permit under this Rule. The declaration must state that on further subdivision of the property, each subdivided lot of record shall meet the monumentation requirement of Section 6(e)(8). On public land or right-of-way, in place of a recorded declaration, the public owner may execute a written maintenance agreement with the District. The agreement will state that if the land containing the buffer area is conveyed to a private party, the seller must file on the deed a declaration for maintenance in a form approved by the District.

A map of the final WMC boundary must be prepared and submitted to the District for approval, per Rule F.6(b)(4). The map will reflect any change to the boundary as a result of the permitted activity. The final WMC, including associated buffer, shall be subject to an easement in favor of the District as described in Section 6(f). A GIS shapefile or CADD file of the final WMC boundary shall be submitted to the District.

The property owner must convey to the District and record or register, in a form acceptable to the District, a perpetual, assignable easement granting the District the authority to monitor, modify and maintain hydrologic and vegetative conditions within the WMC wetland and buffer adjacent to WMC wetland, including the authority to install and maintain structural elements within those areas and reasonable access to those areas to perform authorized activities, per Rule F.6(d)(f). The WMC shall be identified and delineated as part of the recorded easement.

Wetland replacement will occur via wetland bank account 1762, in the amount of 1.0152 acres. The wetland bank is within the contributing drainage area of the CWPMP consistent with Rule F 6(d)(5). The applicant must provide the final BWSR withdrawal transaction form and demonstrate final withdrawal from the BWSR Bank.

4. Floodplain – The regulatory floodplain elevation is 898.1 (NAVD 88). The applicant is proposing 381 CY of fill within the floodplain and 480 CY of provided storage, resulting in a net increase of floodplain storage of 99 CY. The project is compliant with Rule E.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrances, inlet protection, culvert end controls and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheets 53-55. The information listed under the

Rule D – Erosion and Sediment Control section above must be submitted. Otherwise, the project complies with RCWD Rule D requirements. The project does not flow to a nutrient impaired water (within 1 mile).

6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – ACD 53-62 Branch 2 Lateral Peebles flows across the project. The applicant is not proposing impacts to the public drainage system. The project proposes a FES outlet from the proposed pond within the right of way, but does not plan to alter the grading and therefore compliant with Rule I.
8. Documenting Easements and Maintenance Obligations –Applicant must execute an agreement with the RCWD for the maintenance of the stormwater facilities.
9. Previous Permit Information – Wetland delineation can be found under review file 24-165R. Existing NURP Pond information from the Blaine Water Treatment Plant No. 4 can be found under permit 19-036.

I assisted in the preparation of this report under the supervision of the District Engineer.



08/05/2025

Belle Reeve, EIT

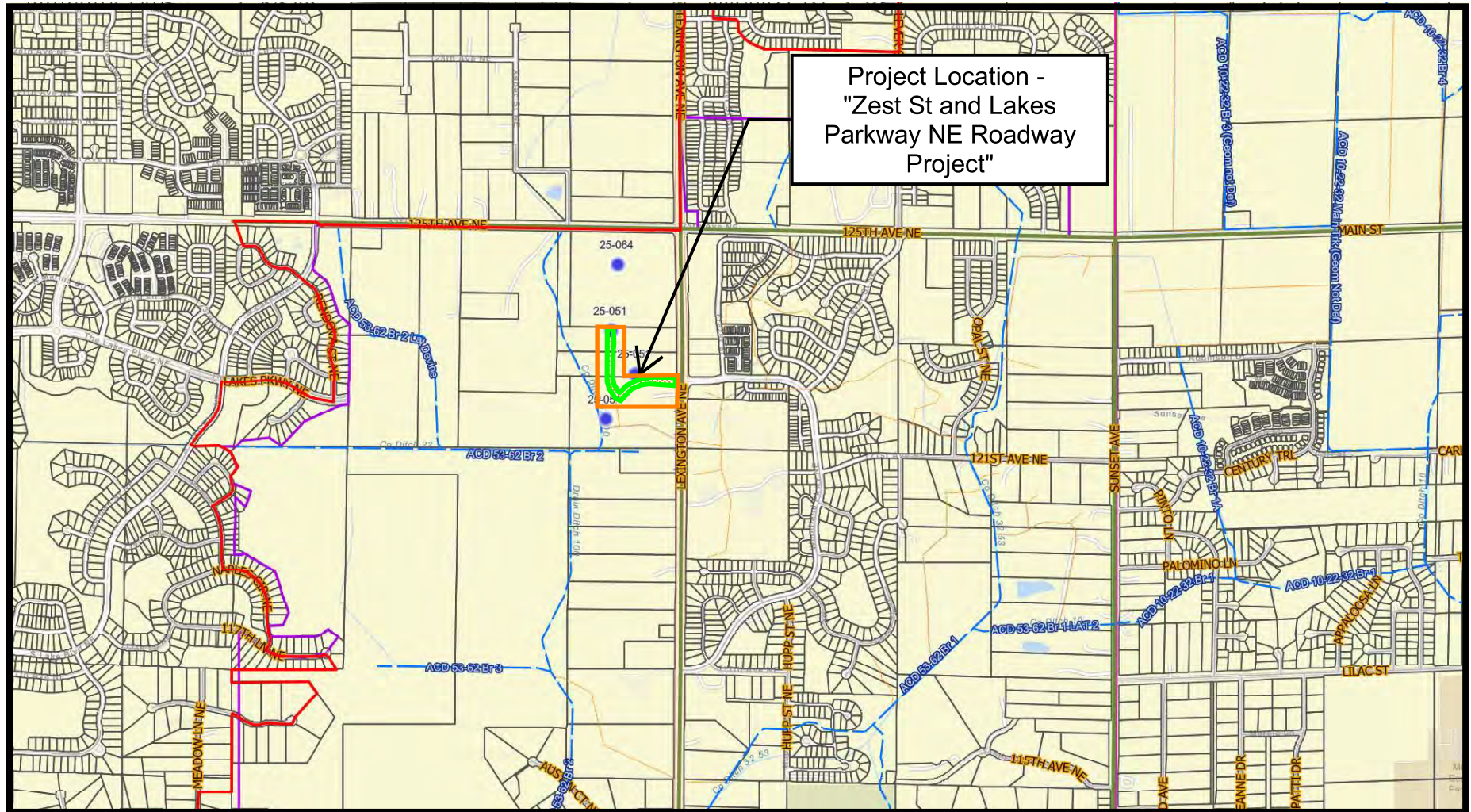
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the state of Minnesota.



08/05/2025

Katherine MacDonald, MN Reg. No 44590

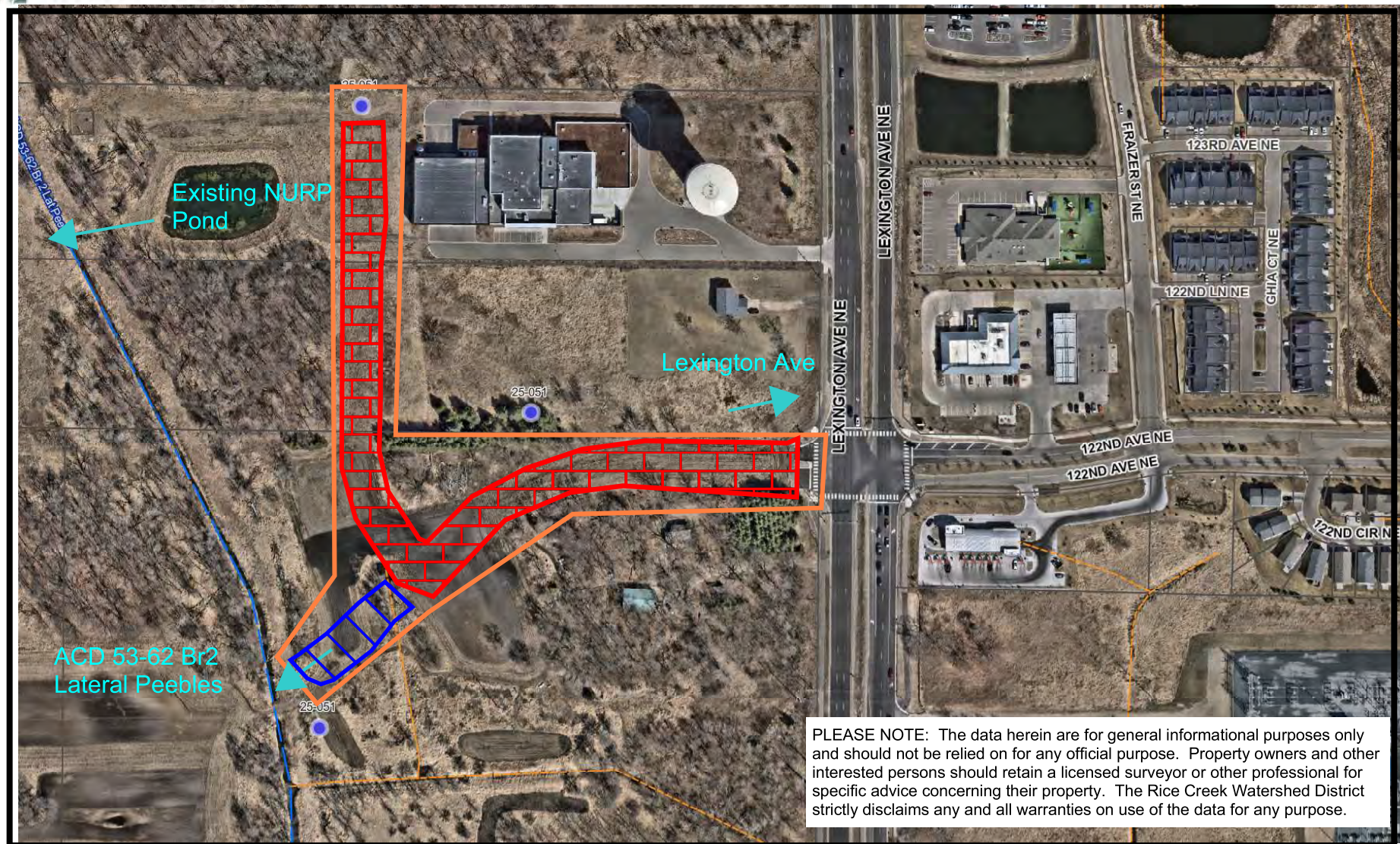
RCWD Permit File #25-051



Legend

- | | | |
|---|---|--|
|  District Boundary |  ACD 53-62 CWPMP |  Project Location |
|  Public Ditch - Open Channel |  Private Ditch |  Proposed Road |





Legend

 NURP Pond



Proposed Road



Project Location

----- Private Ditch

----- Public Ditch - Open Channel

 Drainage Arrow





WORKING DOCUMENT: This Engineer's report is a draft or working document of RCWD staff and does not necessarily reflect action by the RCWD Board of Managers.

Permit Application Number:

25-054

Permit Application Name:

MNB87701 - Elk River Odorizer Project

Applicant/Landowner:

Northern Natural Gas
Attn: Steven Martinez
1120 Centre Pointe Drive Suite 400
Mendota Heights, MN 55120
Ph: 651-456-1777
steven.martinez@nngco.com

Permit Contact:

Northern Natural Gas Company
Attn: Kelly Henry
1120 Centre Pointe Drive, Suite 400
Mendota Heights, MN 55120
Ph: 651-456-1712
kelly.henry@nngco.com

Stantec Consulting Services, Inc.
Attn: Nathan Noland
One Carlson Pkwy STE 100
Plymouth, MN 55447
Ph: 763-479-4228
nathan.noland@stantec.com

Project Name: MNB87701 - Elk River Odorizer Project

Purpose: FSD – Final Site Drainage; Northern Natural Gas (NNG) proposes to construct an odorizer facility

Site Size: 3.11± acre parcel / 2.02± acres of disturbed area; existing and proposed impervious areas are 0± acres and 0.72± acres, respectively

Location: 18180 Manning Trail N, Scandia

T-R-S: SW ¼, Section 31, T32N, R20W

District Rule: C, D

Recommendation: CAPROC

It is recommended that this Permit Application be given Conditional Approval Pending Receipt of Changes (CAPROC) and outstanding items related to the following items:

Conditions to be Met Before Permit Issuance:

Rule C - Stormwater

1. Applicant must demonstrate that the proposed culvert under the road has adequate capacity to prevent bypass from the site during the 100-year rainfall event.
2. Per Rule C.9(d)(4), stormwater ponds must be designed to provide an identified emergency overflow spillway sufficiently stabilized to convey flows for greater than the 100-year critical storm event.

Rule D – Erosion and Sediment Control

3. Submit the following information per Rule D.4:

(c) Name, address and phone number of party responsible for maintenance of all erosion and sediment control measures or confirm if Kelly Henry is the correct contact.

- (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).

Administrative

4. Email one final, signed full-sized pdf of the construction plan set. Include a list of changes that have been made since approval by the RCWD Board. Final plans must include the following:
 - Ensure the datum is labeled.
 - Label high water elevation
 - Applicant to label provide a stabilized emergency overflow.
5. Submit a copy of the recorded plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by the City of Scandia).
6. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.
7. The applicant must provide an attested copy of any and all signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
8. The applicant must submit a cash surety of \$3,700 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The surety is based on \$1,500 for 2.02 acres of disturbance, and \$2,200 for 4,400 CF of storm water treatment.

Stipulations: The permit will be issued with the following stipulations as conditions of the permit. By accepting the permit, applicant agrees to these stipulations:

1. Provide an as-built survey of all stormwater BMPs (ponds, rain gardens, trenches, swales, etc.) to the District for verification of compliance with the approved plans before return of the surety.

Exhibits:

1. Plan set containing 21 sheets printed 7-18-2025 and received 7-21-2025
2. Permit application, dated 5-14-2025 and received 5-15-202
3. Original permit application materials (stormwater, SWPPP, plans) dated 5-30-2025 and received 6-2-2025.
4. Revised Stormwater Calculations, dated and received 6-20-2025, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions, soil borings
5. Revised Stormwater Calculations, dated 7-17-2025 and received 7-21-20225, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions, soil borings
6. SWPP Plan, dated 7-18-2025, received 7-21-2025.

Findings:

1. Description – The project proposes to construct an odorizer facility on a 3.11± acre subdivided parcel located in Scandia. The project will increase the impervious area 0± acres to 0.72± acres and disturb

2.07± acres overall. Drainage from the site ends up on the north side 180th Street N, either from direct flow or discharges from a wetland to east for the site. The flow travels west, ending up in JD-2 Main Trunk, and ultimately Peltier Lake, the Resource of Concern. The applicant has submitted a \$3,000 application fee for a Rule C permit creating less than 5 acres of new and/or reconstructed impervious surface.

2. Stormwater – The applicant is proposing the BMPs as described below for the project:

Proposed BMP Description	Location	NURP requirement	Volume provided	EOF
Wet (NURP) Pond	Northeast corner of site	4,400 cubic feet	10,044± cubic feet	985*±

*Applicant must label

Soils on site are primarily HSG D consisting of clayey sands (SC) and lean clay (CL). Thus, infiltration is not considered feasible and a NURP. The new/reconstructed area is 0.72± acres. Per Rule C.6(c)(1), the Water Quality requirement is governed by the NURP sizing requirement of 2.5-inches of run-off over the contributing area to the pond.

The pond sizing and outlets are consistent with the design criteria of Rule C.9(d)(1)(2)(3) and (5). The applicant has treated 93% of the required impervious area. Additional TSS removal is not practicable. The applicant must address C.9(d)(4) above. Otherwise, the applicant has met all the Water Quality requirements of Rule C.6.

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
East	0.1	0.2	1.1	0.8	5.5	3.6
West	0.0	0.2	0.0	0.3	1.6	1.1
Totals*	0.1	0.3	1.1	1.1	6.8	4.7

*Differences due to time of concentration

The project is not located within the Flood Management Zone. The applicant has complied with the rate control requirements of Rule C.7 within model tolerance.

The applicant has complied with the C.8 bounce and inundation requirements for slightly susceptible wetlands, and the freeboard requirements of Rule C.9(h).

3. Wetlands – A level 2 wetland delineation was completed by Stantec Consulting Services in September and November of 2022; however, a formal wetland boundary/type joint application was never submitted to the District. One wetland was identified on the property. No wetland impacts are proposed. A wetland delineation may be required for future projects on the property.
4. Floodplain – The site is not in a regulatory floodplain.
5. Erosion Control – Proposed erosion control methods include silt fence, vehicle tracking pads, erosion control blanket and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. A SWPPP has been submitted. The information listed under the Rule D – Erosion and Sediment Control section above must be submitted. Otherwise, the project complies with RCWD Rule D requirements. The project does not flow to a nutrient impaired water (within 1 mile).
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable.

8. Documenting Easements and Maintenance Obligations – Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).
9. Previous Permit Information – Pre-application information is located in review file 25-011R.

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



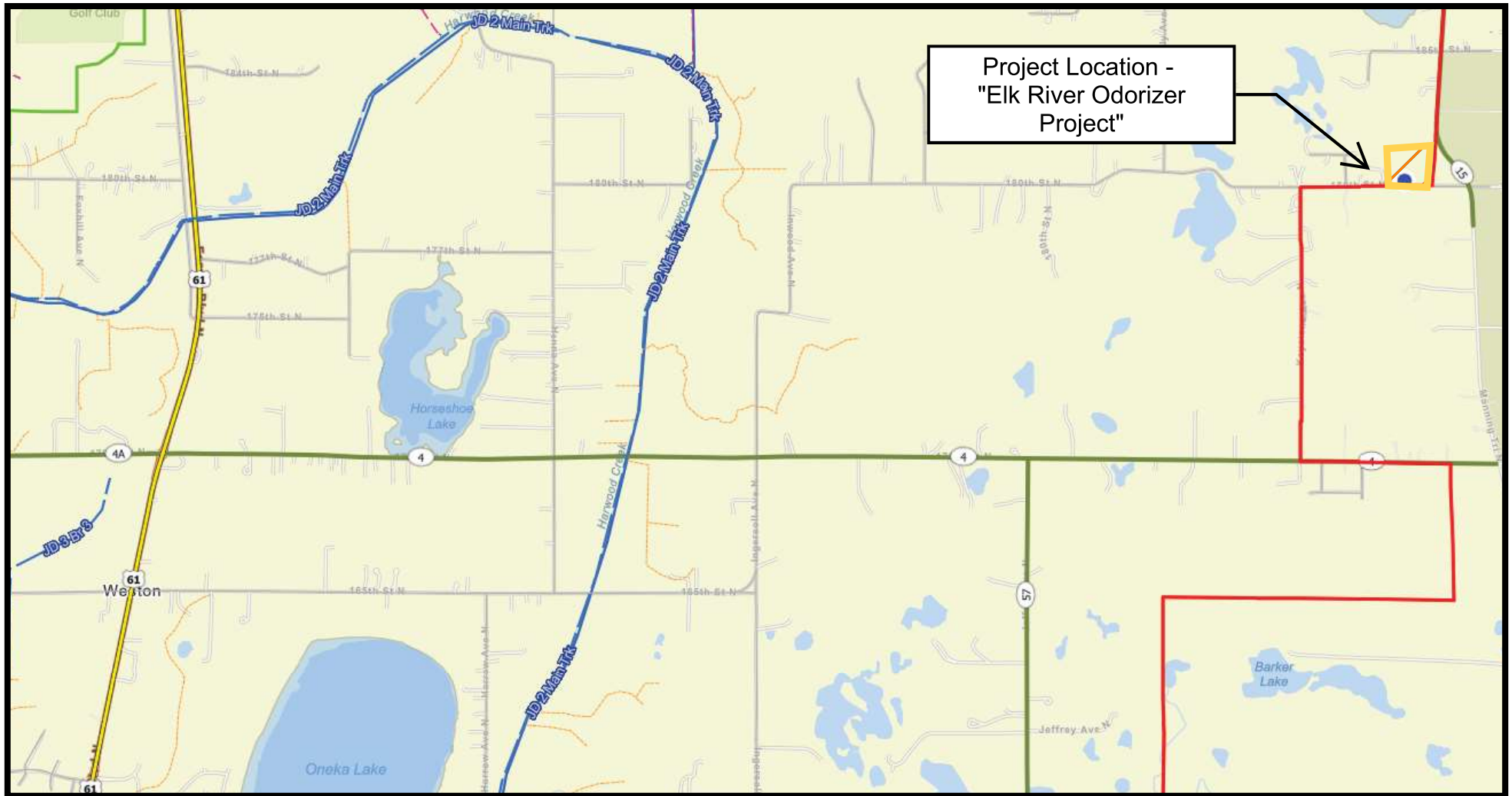
08/05/2025

Greg Bowles, MN Reg. No 41929



08/05/2025

Katherine MacDonald, MN Reg. No 44590



Legend

 District Boundary

 Project Location

 Public Waterway

 Public Ditch - Open Channel

 Public Ditch - Tile

 Private Ditch





Legend

 District Boundary

 Gravel Pad

 Buildings

 Project Location

 Pond

 Drainage Arrow





WORKING DOCUMENT: This Engineer's report is a draft or working document of RCWD staff and does not necessarily reflect action by the RCWD Board of Managers.

Permit Application Number:

25-064

Permit Application Name:

Lexington Crossing

Applicant/Landowner:

Jeff Kempf
3700 125th Ave NE
Blaine, MN 55449
612 816 5264
eljefe.kempf@gmail.com

Permit Contact:

Carlson Engineering
Attn: Aaron Briski
3890 Pheasant Ridge Drive NE, Suite 100
Blaine, MN 55449
763 489 7940
abriski@carlson-engineering.com

HJ Development
Attn: Chris Moe
2655 Cheshire Ln N
Plymouth, MN 55447
Ph: 763-258-7236
cmoe@hjdevelopment.com

Kjolhaug Environmental Services Company
Attn: Melissa Barrett
2500 Shadywood Road STE 130
Orono, MN 55331
Ph: 952-388-3752
melissa@kjolhaugenv.com

Project Name: Lexington Crossing

Purpose: FSD – Final Site Drainage, LD – Land Development, PDS – Public/Private Drainage System, WA – Wetland Alteration, FA – Floodplain Alteration; Construct commercial lots and corresponding street and utilities

Site Size: 2 parcels totaling 37.2± acres / 30.0 ± acres of disturbed area; existing and proposed impervious areas are 0.0 ± acres and 10.27 ± acres, respectively

Location: Southwest quadrant of the intersection of 125th Avenue NE (CSAH 14) and Lexington Avenue NE (CSAH 17) in Blaine

T-R-S: NE ¼, Section 11, T31N, R23W

District Rule: C, D, E, F, I

Recommendation: CAPROC

It is recommended that this Permit Application be given Conditional Approval Pending Receipt of Changes (CAPROC) and outstanding items related to the following items:

Conditions to be Met Before Permit Issuance:

Rule D – Erosion and Sediment Control

1. Submit the following information per Rule D.4:
 - (b) Tabulation of the construction implementation schedule.
 - (c) Name, address and phone number of party responsible for maintenance of all erosion and sediment control measures.
 - (e) Clear identification of all temporary erosion and sediment control measures which will remain in place until permanent vegetation is established. Applicant must address inlet protection.
 - (f) Clear identification of all permanent erosion control measures such as outfall spillways and riprap shoreline protection, and their locations. Applicant must show stabilization on pond outlet pipes. For the Pond 100 outlet, a note shall be placed on the plans that rip-rap shall not be placed within the public drainage system.
 - (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).
 - (i) A Storm Water Pollution Prevention Plan for projects that require an NPDES Permit.

Rule F – Wetland Alteration

2. Applicant must provide shape file of wetland boundaries; a condition of approval of the type and boundary delineation.
3. Applicant must supply the District with a copy of the receipt for the MnDNR Takes Permit Rubus fulleri.
4. Applicant must provide a "Standard Credit Withdrawal Form", which is signed by the bank user and the bank seller
5. The applicant must provide proof of BWSR debiting wetland bank for the correct amount and type of wetland credit.
6. As a condition of permit issuance under Rule F.6(e)(9), a property owner must file on the deed a declaration, in a form approved by the District, establishing a vegetated buffer area adjacent to the delineated wetland edge within the final WMC and other wetland buffers approved as part of a permit under this Rule. A draft must be submitted for review prior to recordation.
7. The property owner must convey to the District and record or register, in a form acceptable to the District, a perpetual, assignable easement over the WMC.
8. A map of the final WMC boundary must be prepared and submitted for approval, and a GIS shapefile or CADD file of the final WMC boundary shall be submitted to the District.
9. The applicant must provide a buffer signage plan including proposed signage and placement location for District consideration.

Rule I – Public Drainage Systems

10. Applicant must provide an easement that includes the channel and the area on each side of the channel within 20 feet of top of bank specifying and encompassing a District right of maintenance access for the public drainage system. Wherever work occurs within the easement a maintenance

pathway must be provided along the top of ditch bank (20-foot width, no more that 10% sideslope (perpendicular to the ditch), no more than 5:1 longitudinal slope (parallel to the ditch)).

11. Applicant must submit a copy of the dewatering plan (if applicable).

Administrative

12. Email one final, signed full-sized pdf of the construction plan set. Include a list of changes that have been made since approval by the RCWD Board. Final plans must include the following:
 - Final design of Lots 1-3 must be provided with other work clearly denoted as “future”
 - Provide an alternative turf reinforcement method within the wetland no loss areas on the final plans
13. The applicant must pay the deferred Water Management District Charges associated with this parcel listed below. These charges were previously noticed to the landowner in conjunction with a public hearing which established the charges to be due upon development or redevelopment of the parcel.

PID: 113123110001
Amount: \$1127.81
RCWD Fund: 80-24 (ACD-53-62)

PID: 11312310003
Amount: \$135.32
RCWD Fund: 80-24 (ACD-53-62)

Additionally, the applicant will be responsible for payment of Water Management District Charges associated with this parcel that are currently in development. These charges will be noticed to the landowner. Any new or existing deferred charge will be due upon development. The applicant must contact the District prior to submitting final payment to verify the amount to be paid to the District.

14. Submit a copy of the recorded plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by the City of Blaine).
15. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.
16. The applicant must provide an attested copy of any and all signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
17. The applicant must submit a surety of \$78,600 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The applicant must provide the first \$5000 in the form of a check and has the option of providing the remainder of the surety amount in the form of a check or a Performance Bond or Letter of Credit. The surety is based on \$10,500 for 30 acres of disturbance, \$64,100 for 128,284 CF of storm water treatment, and \$4,000 for 531 CY of floodplain mitigation.

Stipulations: The permit will be issued with the following stipulations as conditions of the permit. By accepting the permit, applicant agrees to these stipulations:

1. Provide an as-built survey of all stormwater BMPs (ponds, rain gardens, trenches, swales, etc.) to the District for verification of compliance with the approved plans before return of the surety.
2. Provide an as-built survey and computation of the floodplain fill and mitigation storage areas and volume for verification of compliance with the approved plans before return of the surety.

3. Provide an as-built survey of wetland boundaries, quantifying the wetland impact area for verification of compliance with the approved plans
4. Provide an as-built survey of all pipe sizes and invert elevations of culverts on ACD 53-62 Branch 2 Lateral Peebles to verify location and elevation with the approved plans.
5. Installation of permanent, freestanding markers at development side edge of buffer, wetland or otherwise, with a design and text approved by District staff in writing and in compliance with the approved plans

Exhibits:

1. Updated plan set containing 11 sheets dated 07-22-2025 and received 07-23-2025
2. Permit application, dated 06-05-2025 and received 06-06-2025
3. Stormwater Calculations, dated 06-06-2025 and received 06-06-2025, containing narrative, soil borings, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
4. Revised Stormwater Calculations, dated 07-22-2025 and received 07-23-2025, containing narrative, soil borings, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
5. Floodplain mitigation and fill received 06-06-2025
6. Floodplain Elevation Topography dated 07-22-2025 and received 07-23-2025
7. Storm sewer design dated 07-22-2025 and received 07-23-2025
8. Storm sewer map received 07-22-2025
9. WCA replacement plan joint application dated and received 6-6-2025.
10. Response to TEP comments dated and received 7-23-2025.
11. Review file 18-116R

Findings:

1. Description – The project proposes to construct commercial lots and corresponding street and utilities on 2 parcels totaling 37.2± acres located in Blaine. The project will increase the impervious area from 0.00± acres to 10.27 acres and disturb 30.0± acres overall. The impervious area includes the streets and Commercial Lots 1-3. An additional 3.62 acres of impervious surface is included in the stormwater calculations for future development, which will require a separate permit. The proposed site drainage will be routed to one of four stormwater ponds on site, eventually draining to ACD 53-62 Branch 2 Lateral Peebles, which ultimately discharges to Golden lake, the Resource of Concern. The applicant has submitted a \$5,400 application fee for a Rule C permit creating 5 or more acres of new and/or reconstructed impervious surface.

2. Stormwater – The applicant is proposing the BMPs as described below for the project:

Proposed BMP Description	Location	NURP requirement	Volume provided	EOF
Stormwater (NURP) Pond 100	Southwest corner of parcel	2.987 acre-feet	3.450 acre-feet	898.7
Stormwater (NURP) Pond 200	Southern property line	Upstream from Pond 100	2.877 acre-feet	901.0
Stormwater (NURP) Pond 300	Southwest corner of proposed commercial lot #1	Upstream from Pond 100	2.579 acre-feet	900.0
Stormwater (NURP) Pond 400	Northwest corner of proposed commercial lot #1	Upstream from Pond 100	0.407 acre-feet	900.0
Borrow Area 500	Adjacent to 125 th Avenue	Not used for permit compliance		

Soils on site are primarily HSG B consisting of silt and sandy silt soils (ML). Infiltration is not considered feasible due to a high water table and NURP Ponds are acceptable to meet the water quality requirement. The new and reconstructed area is 10.27± acres. Per Rule C.6(c)(1), the Water Quality requirement is governed by the NURP sizing requirement of 2.5-inches of run-off over the contributing area to the pond.

The pond sizing, and outlets and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 100% of the required impervious area. Additional TSS removal is not required. The applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(d).

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
West	0.1	0.6	0.2	0.7	7.5	7.4
East	1.1	0.8	2.0	1.5	4.2	3.1
Total*	1.2	1.2	2.3	1.9	7.6	7.5

*Differences due to time of concentrations.

The project is not located within the Flood Management Zone. The ponds are designed with capacity for future development; however future work will require an additional permit. The applicant has complied with the rate control requirements of Rule C.7.

The applicant has complied with the freeboard requirements of Rule C.9(h).

3. Wetlands –Wetlands were delineated under review file 18-116R with boundary decision, issued on 11-7-2023, which remains valid.

The project area is located within the Anoka County Ditch 23-62 CWPMP boundary and is subject to Wetland Management Corridor (WMC) requirements.

A replacement plan application was submitted to the District for proposed wetland impacts. The application included the required MnRAM analysis of the wetland basins; delineation of the site level

WMC and alternative analysis. The application was noticed to the TEP on 6-11-2025 and the comment period closed 7-8-2025. The TEP commented requesting additional information on size and configuration modifications to minimize impacts and to ensure reduction of wetland impacts over time. The TEP also commented on potential lateral effects from the proposed ponds and borrow area surrounding Wetland 1. The applicant has addressed all comments and impacts to Wetland 1 were reduced to the extent feasible. An updated impact map and impact table were provided on 7-23-2025.

The applicant also requested a no-loss determination for 8,000 ft² of excavation of non-permanently and non-semipermanently flooded wetland. The applicant has proposed installation of Flexamat (or approved equal) within the excavation areas. The LGU finds that the concrete blocks used in the Flexamat design constitute permanent wetland fill and requested an alternative form of stabilization be used. The LGU finds that the proposed excavation of the non-permanently & non-semipermanently flood wetland areas is not an impact requiring replacement under MN Statute 103G.222 Subdivision 1, provided an alternative form of stabilization, approved by District staff, is added to the final plans.

The applicant has provided an alternatives analysis, including discussion of impact avoidance, minimization and mitigation. Applicant has provided a no-impact alternative. The applicant has reasonably avoided and minimized wetland impacts to the extent possible. The applicant has addressed all comments and the TEP concurs that WCA impact sequencing is met.

Impact/Mitigation Table

Wetland Name (Location)	Impact Amount (ac)	Replacement Ratio	Required (ac)
Wetland 2	1.2740	2:1	2.5480
Wetland 1 (excavation)	0.1837	NA – no loss	0.0000
Wetland 1 (north)	0.0160	2:1	0.0320
Wetland 1 (west)	0.2759	2:1	0.5518
Wetland 1 (south – west)	0.0051	2:1	0.0102
Wetland 1 (south – east)	0.0067	2:1	0.0134
Wetland 1 (southeast)	0.1481	2:1	0.2962
Wetland 1 (east)	0.3089	2:1	0.6178
Wetland 3	0.0072	1.5:1	0.0108

The property owner must file on the deed a declaration in a form approved by the District establishing a vegetated buffer area adjacent to the delineated wetland edge within the final WMC and other wetland buffers approved as part of a permit under this Rule. The declaration must state that on further subdivision of the property, each subdivided lot of record shall meet the monumentation requirement of Section 6(e)(8). On public land or right-of-way, in place of a recorded declaration, the public owner may execute a written maintenance agreement with the District. The agreement will state that if the land containing the buffer area is conveyed to a private party, the seller must file on the deed a declaration for maintenance in a form approved by the District.

A map of the final WMC boundary must be prepared and submitted to the District for approval, per Rule F.6(b)(4). The map will reflect any change to the boundary as a result of the permitted activity. The final WMC, including associated buffer, shall be subject to an easement in favor of the District as described in Section 6(f). A GIS shapefile or CADD file of the final WMC boundary shall be submitted to the District.

The property owner must convey to the District and record or register, in a form acceptable to the District, a perpetual, assignable easement granting the District the authority to monitor, modify and maintain hydrologic and vegetative conditions within the WMC wetland and buffer adjacent to WMC wetland, including the authority to install and maintain structural elements within those areas and reasonable access to those areas to perform authorized activities, per Rule F.6(d)(f). The WMC shall be identified and delineated as part of the recorded easement.

Wetland replacement will occur via wetland bank account 1762, in the amount of 4.0802 acres. The wetland bank is within the contributing drainage area of the CWPMP consistent with Rule F 6(d)(5). The applicant must provide the final BWSR withdrawal transaction form and demonstrate final withdrawal from the BWSR Bank.

4. Floodplain – The regulatory floodplain elevation is 898.2 (NAVD88). The applicant is proposing 531 cubic yards of floodplain fill and providing 550 cubic yards of mitigation, resulting in a net increase of floodplain storage of 19 cubic yards. The project is compliant with Rule E.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrances, and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. The information listed under the Rule D – Erosion and Sediment Control section above must be submitted. Otherwise, the project complies with RCWD Rule D requirements. The project does not flow to a nutrient impaired water (within 1 mile).
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – ACD 53-62 Branch 2 Lateral Peebles flows across the project. The applicant is not proposing impacts to the public drainage system. The project proposes a FES outlet from the NURP Pond within the right of way, but does not plan to alter the grading and therefore compliant with Rule I.
8. Documenting Easements and Maintenance Obligations – Applicant must meet the easement and maintenance obligations listed above.
9. Previous Permit Information – Wetland were delineated under 18-116R. The extension of Zest Street south of the project is being reviewed under permit application 25-051.

I assisted in the preparation of this report under the supervision of the District Engineer.

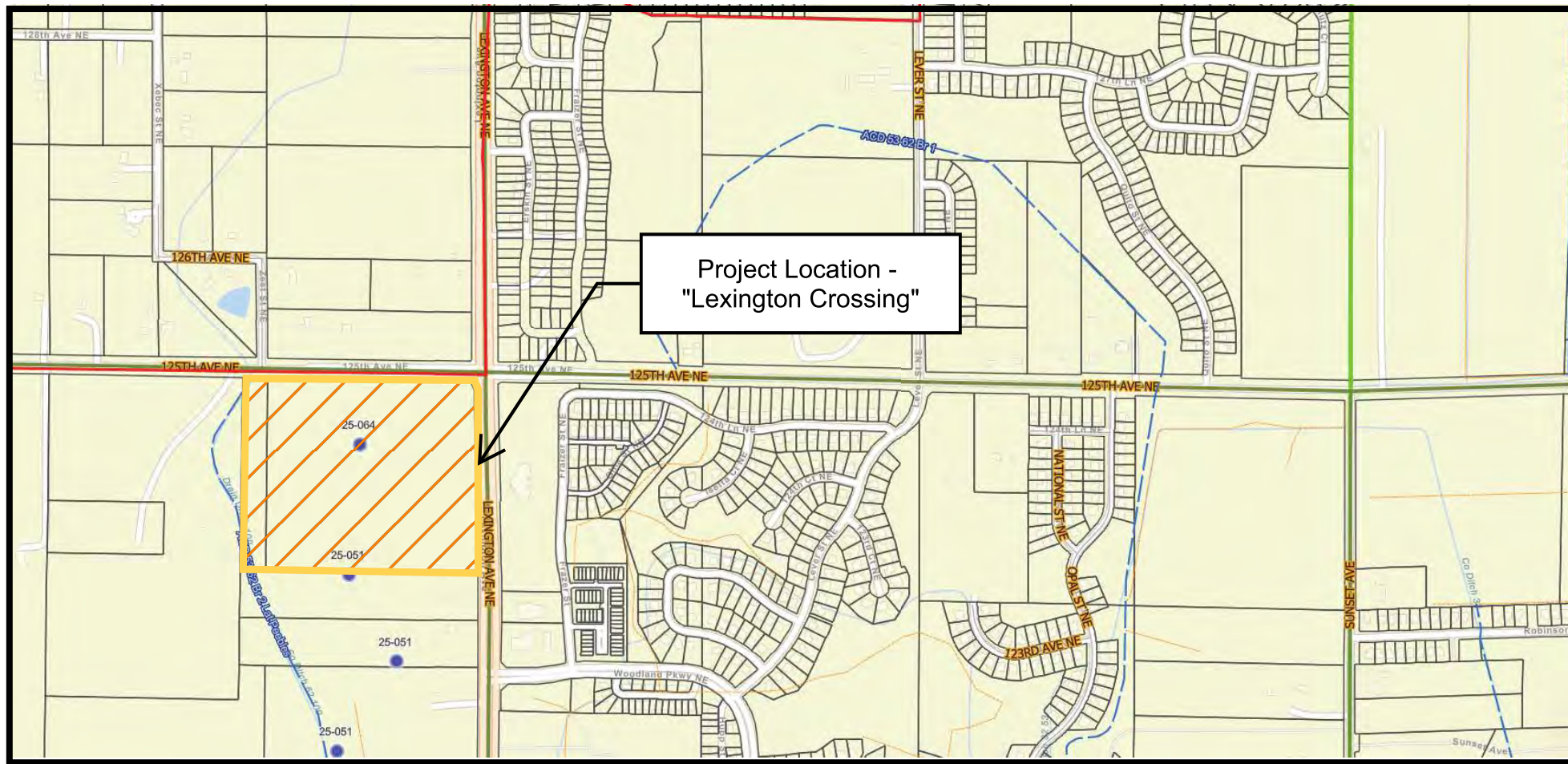
Josephine Khan 08/05/2025

Josephine Khan, EIT

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

K. MacDonald 08/05/2025

Katherine MacDonald, MN Reg. No 44590



Legend

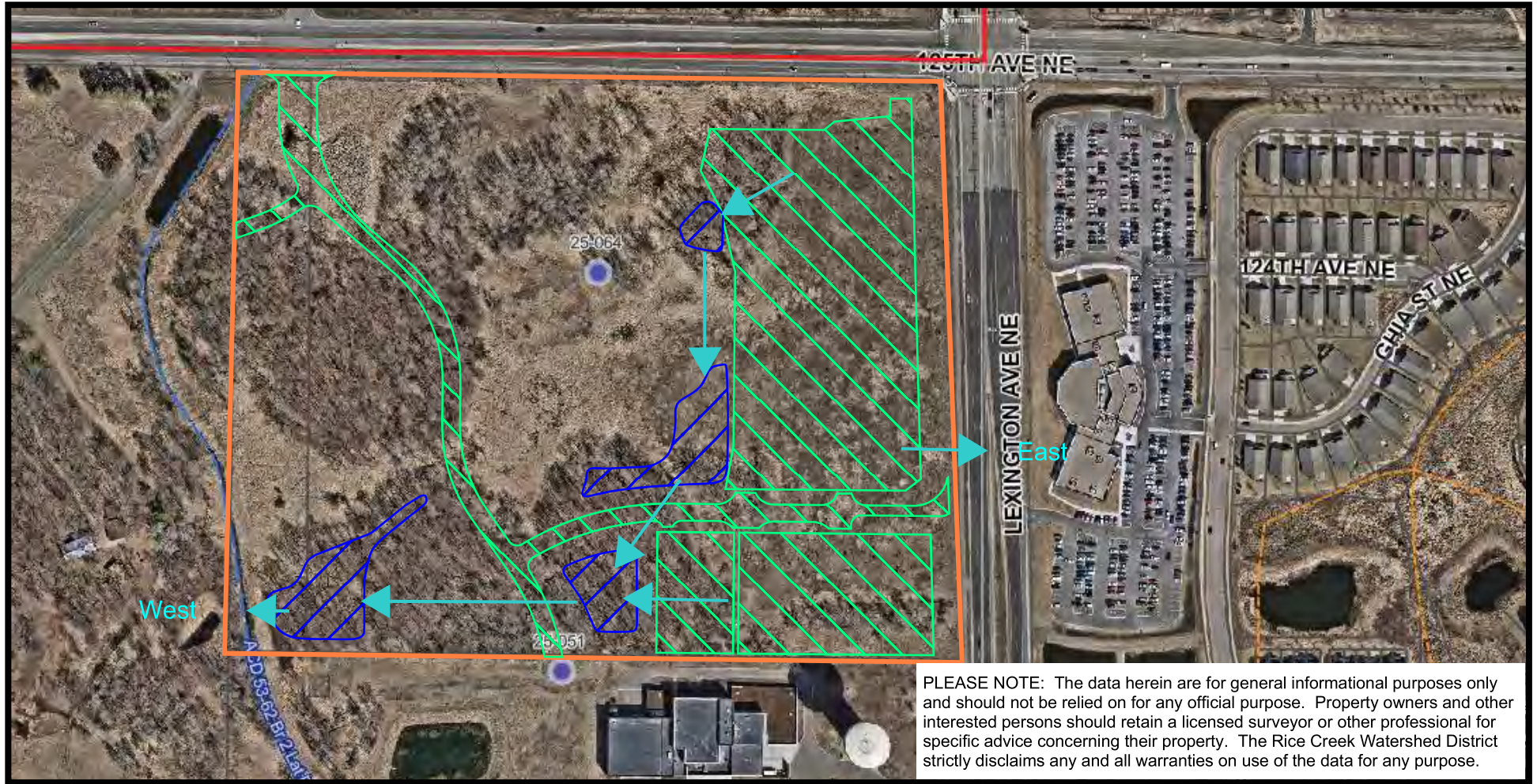
 District Boundary

 Project Location








 Private Ditch

 Public Ditch - Open Channel





Legend

- | | | |
|---|---|--|
|  District Boundary |  New Impervious Area |  Drainage Arrow |
|  Project Location |  NURP Pond |  Public Ditch - Open Channel |
| | |  Private Ditch |





WORKING DOCUMENT: This Engineer's report is a draft or working document of RCWD staff and does not necessarily reflect action by the RCWD Board of Managers.

Permit Application Number:

25-068

Permit Application Name:

Platinum 55 Apartment

Applicant/Landowner:

Northern Heights Lutheran Church
Attn: John Oldfield
1700 W. Highway 96
Arden Hills, MN 55112
Ph: 651-797-7801
john.oldfield@nhlc.org

Permit Contact:

Carlson McCain
Attn: Dan Wilke
15650 36th Ave N Suite 110
Plymouth, MN 55446
Ph: 952-346-3864
Fax: 952-346-3901
dwilke@carlsonmccain.com

Highway 96 Development, LLC
Attn: Andy Brummer
1200 25th Ave S
St. Cloud, MN 56301
Ph: 320-293-4200
andyb@tridentdevelopmentmn.com

Highway 96 Development, LLC
Attn: Roger Fink
1200 25th Ave S
St. Cloud, MN 56301
Ph: 612-242-6097
rogerf@tridentdevelopmentmn.com

Project Name: Platinum 55 Apartment

Purpose: Construct a 119-unit market rate apartment that is three levels with covered underground parking and associated surface parking. FSD – Final Site Drainage

Site Size: 57.9± acre parcel / 10.7± acres of disturbed area; existing and proposed impervious areas are 9.1 ± acres and 11.2 ± acres, respectively

Location: 1700 96 West, Arden Hills

T-R-S: NE ¼, Section 21, T30N, R23W

District Rule: C, D

Recommendation: CAPROC

It is recommended that this Permit Application be given Conditional Approval Pending Receipt of Changes (CAPROC) and outstanding items related to the following items:

Conditions to be Met Before Permit Issuance:

Rule C - Stormwater

1. The applicant must provide a construction schedule for the underground system (or communicate when the schedule will be provided). A note shall be added to the final plans to contact the RCWD inspection prior to the installation. See Stipulation 2.
2. Per Rule C.9(d), stormwater ponds must be designed to provide:
 - (4) An identified emergency overflow spillway sufficiently stabilized to convey flows for greater than the 100-year critical storm event.

Rule D – Erosion and Sediment Control

3. Submit the following information per Rule D.4:
 - (c) Name, address and phone number of party responsible for maintenance of all erosion and sediment control measures.
 - (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).

Administrative

4. Email one final, signed full-sized pdf of the construction plan set. Include a list of changes that have been made since approval by the RCWD Board. Final plans must include the following:
 - Ensure a stabilized emergency overflow is shown for Pond 10 and labeled for the underground filtration system
5. Submit a copy of the recorded plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by the City Arden Hills).
6. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.
7. The applicant must provide an attested copy of any and all signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
8. The applicant must submit a surety of \$31,250 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The applicant must provide the first \$5000 in the form of a check and has the option of providing the remainder of the surety amount in the form of a check or a Performance Bond or Letter of Credit. The surety is based on \$5,750 for 10.7 acres of disturbance and \$29,000 for 57,935 CF of storm water treatment.

Stipulations: The permit will be issued with the following stipulations as conditions of the permit. By accepting the permit, applicant agrees to these stipulations:

1. Provide an as-built survey of all stormwater BMPs (ponds, rain gardens, trenches, swales, etc.) to the District for verification of compliance with the approved plans before return of the surety.
2. RCWD inspector must be notified prior to installation of underground system.

Exhibits:

1. Plan set containing 31 sheets dated 7-01-2024 and received 6-23-2025
2. Permit application, dated 6-25-2025, received 6-26-2025
3. Resubmitted Stormwater Calculations, dated and received 7-14-2025, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
4. Stormwater Calculations, dated 07-01-2024 and received 6-25-2025, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
5. Geotechnical Exploration Report, dated 03-11-2021, received 6-25-2025
6. Review file 23-133R and 21-171R

Findings:

1. Description – The project proposes to construct a 119-unit apartment subdivided from a 57.9± acre parcel located in Arden Hills. The project will increase the impervious area from 9.1± acres to 11.2± acres and disturb 10.7± acres overall. The majority of the stormwater runs off to the southwest wetland while a smaller amount drains to Highway 10 Ditch. Both the wetland and the Highway 10 drainage flow to Round Lake, the Resource of Concern. The applicant has submitted a \$5,400 application fee for a Rule C permit creating 5 or more acres of new and/or reconstructed impervious surface.
2. Stormwater – The applicant is proposing the BMPs as described below for the project:

Proposed BMP Description	Location	NURP requirement/ Pretreatment	Volume provided	EOF
Stormwater (NURP) Pond 10	South of new building along MnDOT ROW	1.210 acre-feet	1.751± acre feet below the outlet	921*±
Underground Filtration System 20	Northwest of new building	Hydrodynamic separator	0.153± acre feet	920.6*

*Applicant must label on the plan set

Soils on site are primarily HSG D consisting of sandy lean clay (CL). Thus, infiltration is not considered feasible and the filtration system and NURP pond are acceptable to meet the water quality requirement. The new/reconstructed area is 6.013± acres. Per Rule C.6(c)(1), the Water Quality requirement is governed by the NURP sizing requirement of 2.5-inches of run-off over the contributing area to the pond (5.357± acres of impervious area) for a required NURP volume of 1.210± acre feet and 2.2-inches over the remaining required impervious area of 0.656± acres for a filtration requirement of 0.120± acre feet.

For the underground filtration system: Adequate pre-treatment has been provided. Drawdown is expected within 48-hours using an appropriate rate of 0.8 inches per hour. 12-inches of sand has been provided above the drain tile. The clay soil will provide adequate protection from the seasonal high water table. The NURP pond sizing, and outlet and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 100% of the required impervious area. Additional TSS removal is not required. The applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(c/d).

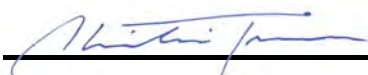
Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
To Round Lake	29.6	17.5	49.9	31.3	82.6	59.6
80% of existing	23.7		40.0		66.1	

The project is located within the Flood Management Zone. The applicant has complied with the rate control requirements of Rule C.7.

The applicant has complied with the bounce and inundation criteria of C.8 for slightly susceptible wetlands. The applicant has complied with the freeboard requirements of Rule C.9(h).

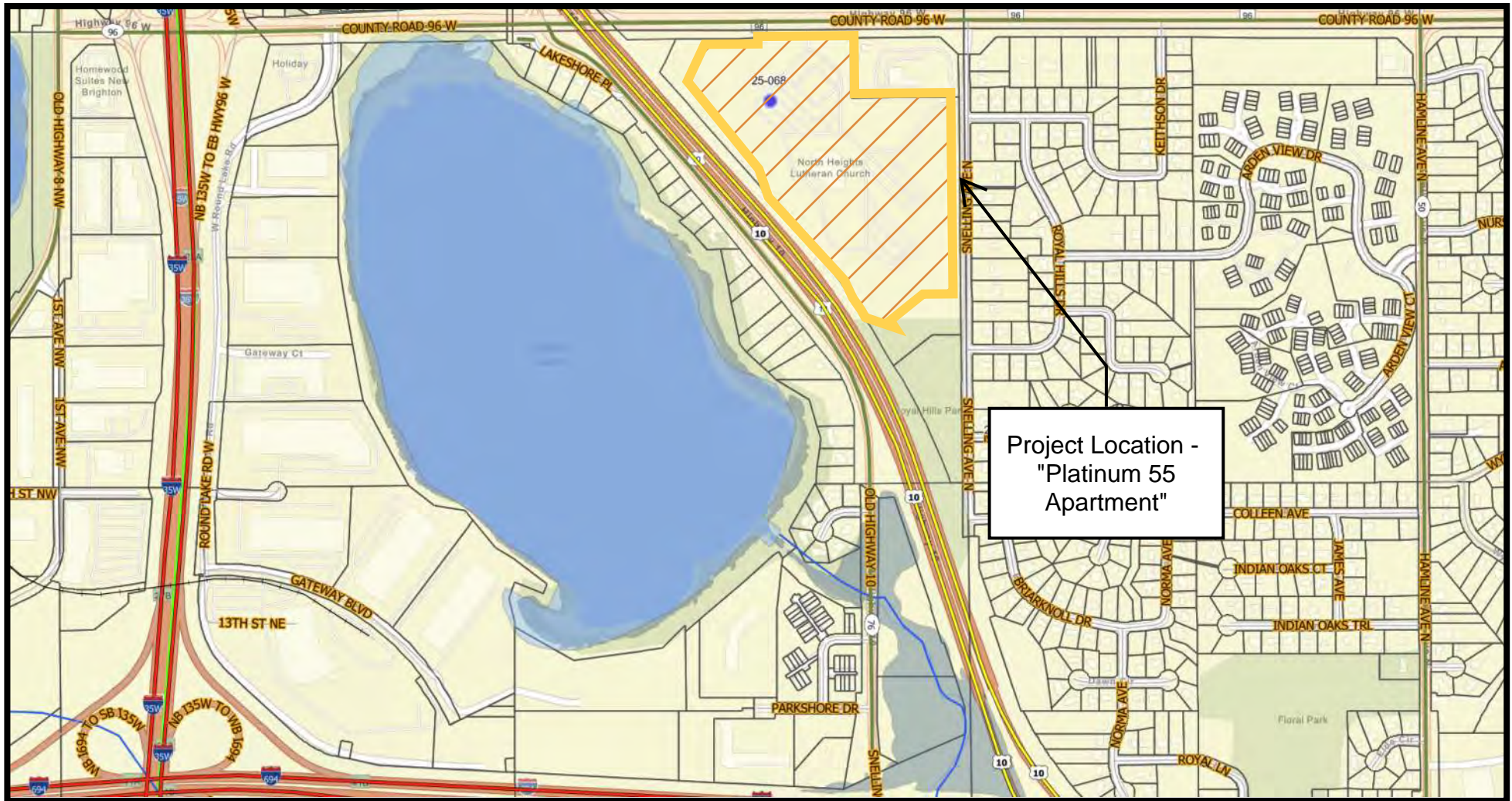
3. Wetlands – Wetlands were delineated under review file 21-171R with boundary decision, which remains valid, issued on 08-02-2021. The project will not impact any wetlands.
4. Floodplain – The site is not in a regulatory floodplain.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrance, inlet protection, and riprap. The project will disturb more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheet 20. The information listed under the Rule D – Erosion and Sediment Control section above must be submitted. Otherwise, the project complies with RCWD Rule D requirements. The project does not flow to a nutrient impaired water (within 1 mile).
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable.
8. Documenting Easements and Maintenance Obligations – Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).
9. Previous Permit Information – No previous permit information was found for this site.

I assisted in the preparation of this report under the supervision of the District Engineer.

 08/04/2025
Christina Traner

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

 08/04/2025
Katherine MacDonald, MN Reg. No 44590



Legend



Project Location



Public Waterway









City Boundary





Legend

- | | | |
|---|---|---|
|  Project Location |  Proposed Building |  Stormwater Pond |
|  Underground Filtration System |  New/Reconstructed Impervious |  Drainage Arrow |



Water Quality Grant Program Cost Share Application (Molly Nelson)

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reduction	Funding Recommendation
A25-01	Kathleen Hegge	Fridley	Shoreline Restoration & Stabilization	\$21,115.00	Volume: 2,055 cu-ft/yr TSS: 1,627.5 lbs/yr TP: 1.302 lbs/yr	50% cost share of \$21,115.00 not to exceed 50%; or \$10,000 whichever cost is lower
A25-02	Michelle Verzal	Circle Pines	Shoreline Restoration & Stabilization	\$8,706.75	Volume: 1,288 cu-ft/yr TSS: 1,732.5 lbs/yr TP: 1.39 lbs/yr	50% cost share of \$8,706.75 not to exceed 50%; or \$10,000 whichever cost is lower
R25-07	Heidi Ferris	Shoreview	Raingarden & Slope Stabilization	\$9,863.00	Volume: 2,433 cu-ft/yr TSS: 31.22 lbs/yr TP: 0.13 lbs/yr	50% cost share of \$9,863.00 not to exceed 50%; or \$10,000 whichever cost is lower
R25-08	LaNasa	Arden Hills	Raingarden	\$9,900.00	Volume: 4,642 cu-ft/yr TSS: 64.90 lbs/yr TP: 0.25 lbs/yr	50% cost share of \$9,900.00 not to exceed 50%; or \$10,000 whichever cost is lower

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD Outreach and Grants Technician's Recommendations dated July 7, 2025.

MEMORANDUM

Rice Creek Watershed District



Date: July 7th, 2025
To: RCWD Board of Managers
From: Molly Nelson, Outreach and Grants Technician
Subject: Water Quality Grant Application, A25-01 Hegge Shoreline Restoration & Stabilization

Introduction

- A25-01 Hegge Shoreline Restoration & Stabilization
- Applicant: Kathleen Hegge
- Location: 59 Rice Creek Way, Fridley
- Total Eligible Project Cost: \$21,115.00
- RCWD Grant Recommendation: \$10,000.00 (50%)

Background

The A25-01 Hegge Shoreline Restoration & Stabilization Water Quality Grant application proposes a shoreline restoration and stabilization on a residential property located in Fridley on Locke Lake. Locke Lake undergoes large fluctuations of water level which puts pressure on shorelines for integrity which requires additional armoring and bioengineering to prevent loss of shore and large amounts of erosion.

The Anoka Conservation District (ACD) drafted the designs for the project and provided recommendations for a cost-share grant award which has been reviewed and approved by RCWD staff for CAC review. The project as proposed is designed to stabilize the toe of the slope from continual erosion and loss of property and further stabilize the shoreline with a native plant buffer which will help to filter pollutants from entering the lake. The total treated catchment area for the project combined with R25-09 is 9,405 square feet and is 35% impervious. The estimated pollutant reductions for the proposed project are: 2,055 cu-ft/yr reduction in volume (36%) and 1,627.5 lbs/yr reduction in total suspended solids (TSS). The project location scored a value of 18 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained 2 bids for the project:

- JK Landscape Construction: \$21,115.00
- Mickman Brothers: \$27,503.92

The Anoka Conservation District provided a cost estimate amounting to \$19,688.04 for the project which is consistent with the lowest bid provided for this application. The CAC was supportive of the project and recommended it as presented. Motion carried 5-0.

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$10,000.00 not to exceed 50% of eligible project expenses of \$21,115.00.

Staff Recommendation

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for A25-01 Hegge Shoreline Restoration & Stabilization.

Request for Proposed Motion

Manager _____ moves to authorize the RCWD Board President, on advice of counsel, to approve the Water Quality Grant Contract for A25-01 of \$10,000.00 not to exceed 50% of eligible project costs or up to \$10,000.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

A25-01 Hegge Shoreline Restoration & Stabilization application documents.



ANOKA CONSERVATION DISTRICT

1318 McKay Drive NE, Suite 300
Ham Lake, MN 55304
Phone: (763) 434-2030 Fax: (763) 434-2094
www.AnokaSWCD.org

MEMORANDUM

TO: RCWD Board of Managers and Citizen Advisory Committee
FROM: Breanna Keith, Water Resource Specialist
DATE: July 23, 2025
SUBJECT: Water Quality Grant Program Application – Hegge Lakeshore Restoration/
Stabilization, Locke Lake, Fridley

The following summarizes the RCWD Water Quality Grant Program application to cost-share the installation of a shoreline restoration project along 62 linear feet of eroding shoreline on Locke Lake in Fridley. Project components include fieldstone rock riprap and a 335 square foot native buffer planting.

PROJECT DESCRIPTION

Locke Lake is currently listed as 'Not Classified' through RCWD's lake management classification system. It contains a small gravel public access ramp. Motorized boats are restricted on Locke Lake. Therefore, natural wave action and large water level fluctuations resulting from the dam at the lake's outlet are the primary causes of erosion.

The Hegge property is located on the S/ SE shoreline of Locke Lake, and therefore receives some minor to moderate wave action from wind. However, water level fluctuations of 1.5' - 2' are regularly observed, making those fluctuations the primary culprit of erosion here and elsewhere on the lake. Currently, the shoreline contains a vertical face of bare soil, and several inches of shoreline have sloughed away into the lake in recent years. As such, installing a shoreline restoration project here would reduce associated sediment and nutrient loading to Locke Lake.

PROJECT DESIGN

See detailed project design for more information. We recommend installing moderate rock riprap with a buffer of native vegetation to address ongoing erosion on this shoreline. These landowners installed a biolog with native plantings along their shoreline in 2010, but the biolog deteriorated within a few years and vegetation struggled to establish in its place (at the water's edge) due to ongoing erosion from fluctuating water levels. As such, we recommend installing field stone rock to the elevation at which vegetation won't grow, and a buffer of diverse native vegetation abutting it. The buffer will replace an



Project location relative to Rice Creek Watershed District boundaries and Locke Lake

area currently dominated by weeds and turf grass, thereby providing additional stability and water quality and habitat benefits. The total area of the buffer planting encompasses 335 square feet.

ESTIMATED POLLUTANT REDUCTIONS

Pollutant reductions were estimated using the Wisconsin NRCS Erosion Calculator. From that, the annual estimated reductions associated with this project are as follows:

- Total suspended solids - 1,627.5 lbs
- Total phosphorus - 1.302 lbs

ELIGIBLE EXPENSES AND REQUESTED FUNDING

The grant request outlined in this section is based on two quotes provided by JK Landscape Construction and Mickman Brothers. See attached quotes for details. Mobilization and site restoration costs are elevated at this site given the need to navigate through a narrow access path and over an existing retaining wall. This is a common challenge on Locke Lake properties given the narrow parcels and large slopes leading down to the lake.

RCWD Water Quality Grant Program Summary

Contractor	Total Quote	Max RCWD Grant Amount (50% up to \$10,000)	Landowner Responsibility (>50%)	RCWD Grant Amount Recommended
JK Landscape Construction	\$21,115.00	\$10,000.00	\$11,115.00	\$10,000.00
Mickman Brothers	\$27,503.92	\$10,000	\$17,503.92	N/A

STAFF NOTES

The Heggess are motivated to improve Peltier Lake water quality and native habitat along their shoreline. They have tried different restoration approaches in the past to address ongoing erosion, but none have held and shoreline continues to be lost. The combination of rock riprap and a native buffer planting will provide longer-term stability in this unique erosion scenario while naturalizing the shoreline.

RECOMMENDATION

Approve Water Quality Grant Program application for cost-share up to \$10,000.

SITE PICTURES

Figure 1: Current bank condition. Rifts in the soil are occurring, making soughing into the lake imminent.



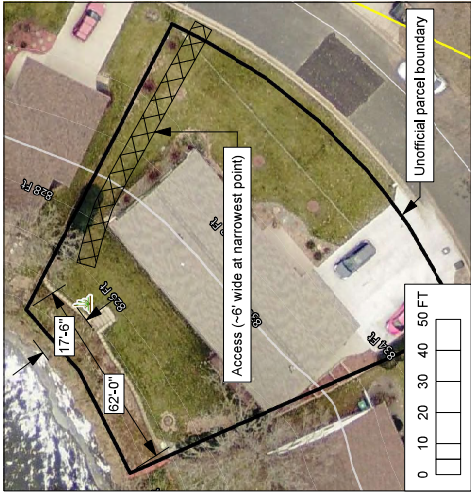
Figure 2: Current bank condition. Undercutting and bare soils are present underneath the overhanging grasses. The shoreline face is vertical, making it even more susceptible to erosion.



Figure 3: Current bank condition. Non-native grasses dominate the shoreline and vegetation is struggling to grow at the water's edge. Picture taken facing west.



PROPERTY OVERVIEW



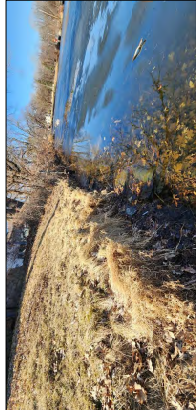
ACCESS



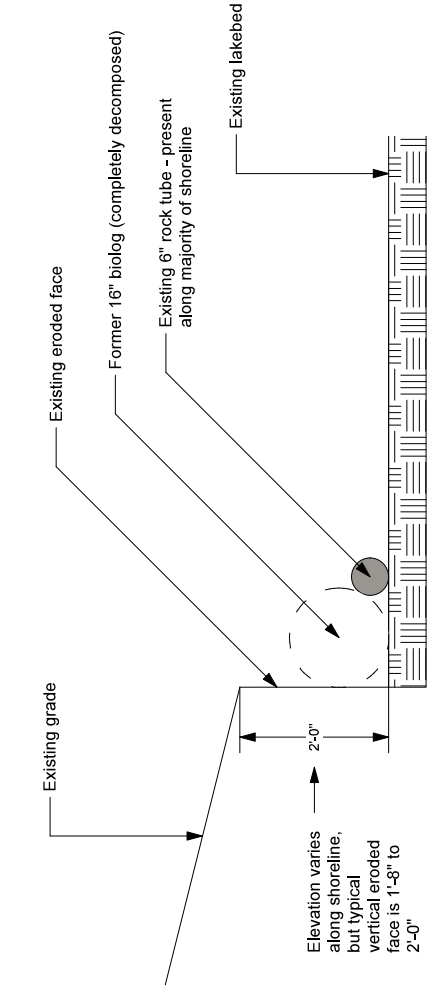
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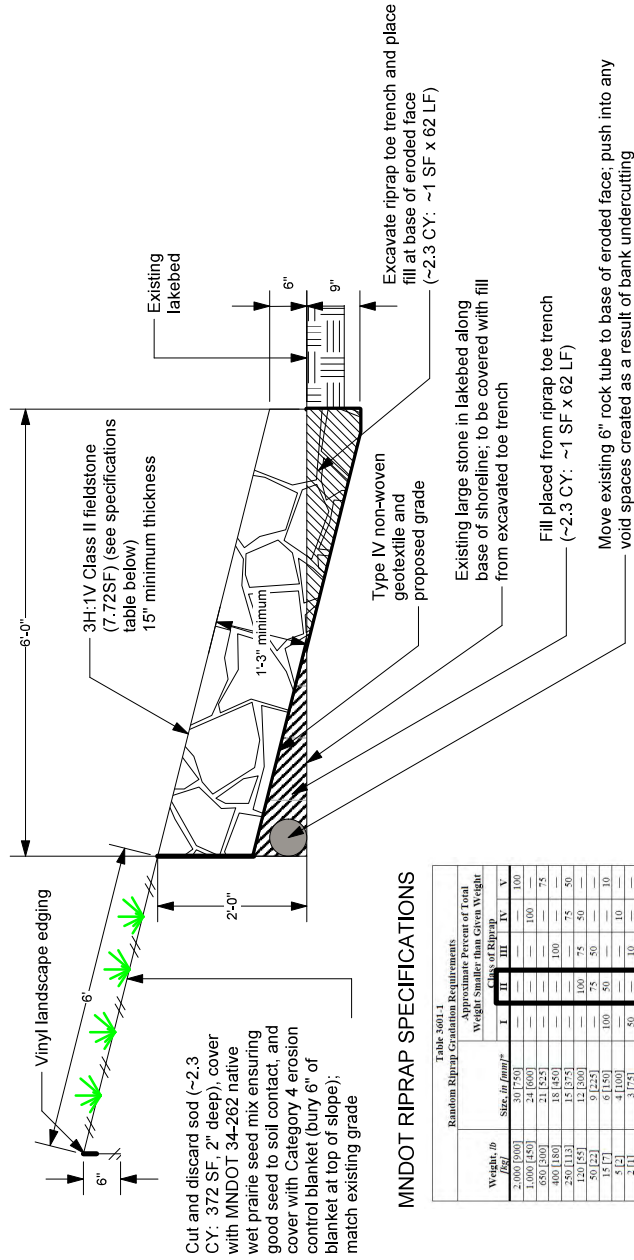
FACING SW



EXISTING CONDITIONS ELEVATION VIEW



PROPOSED RIPRAP ELEVATION VIEW



Cut and discard sod (~2.3 CY: 372 SF, 2' deep), cover with MNDOT 34-262 native wet prairie seed mix ensuring good seed to soil contact, and cover with Category 4 erosion control blanket (bury 6" of blanket at top of slope); match existing grade

MNDOT RIPRAP SPECIFICATIONS

Table 300-1.1 Random Riprap Gradation Requirements				
Weights, lb		Approximate Percent of Total Weight		
Size, in./mm*		Classes of Riprap		
		I	II	III
2,000 (500)	30 (750)	—	—	100
1,000 (250)	24 (600)	—	100	—
400 (100)	18 (450)	—	100	—
250 (63.5)	12 (300)	—	75	50
120 (30.5)	9 (225)	—	75	50
60 (15.2)	4 (100)	—	75	50
30 (7.6)	2 (50)	—	50	10
15 (3.8)	1 (25)	—	10	—
7.5 (19)	0.5 (12.5)	—	10	—

* Weights in size control based on a 10' x 10' x 2' pile of 2.00 m/s

1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.AnokaSWCD.org

PROJECT:
HAWKINSON/HEGGE
SHORELINE

LOCATION:
59 RICE CREEK WAY NE
FRIDLEY, MN 55432

WATERSHED DISTRICT:

DESIGNER:
DATE: MAY 2025

REVISION:
REVISION:
REVISION:
REVISION:

CHECKED BY:

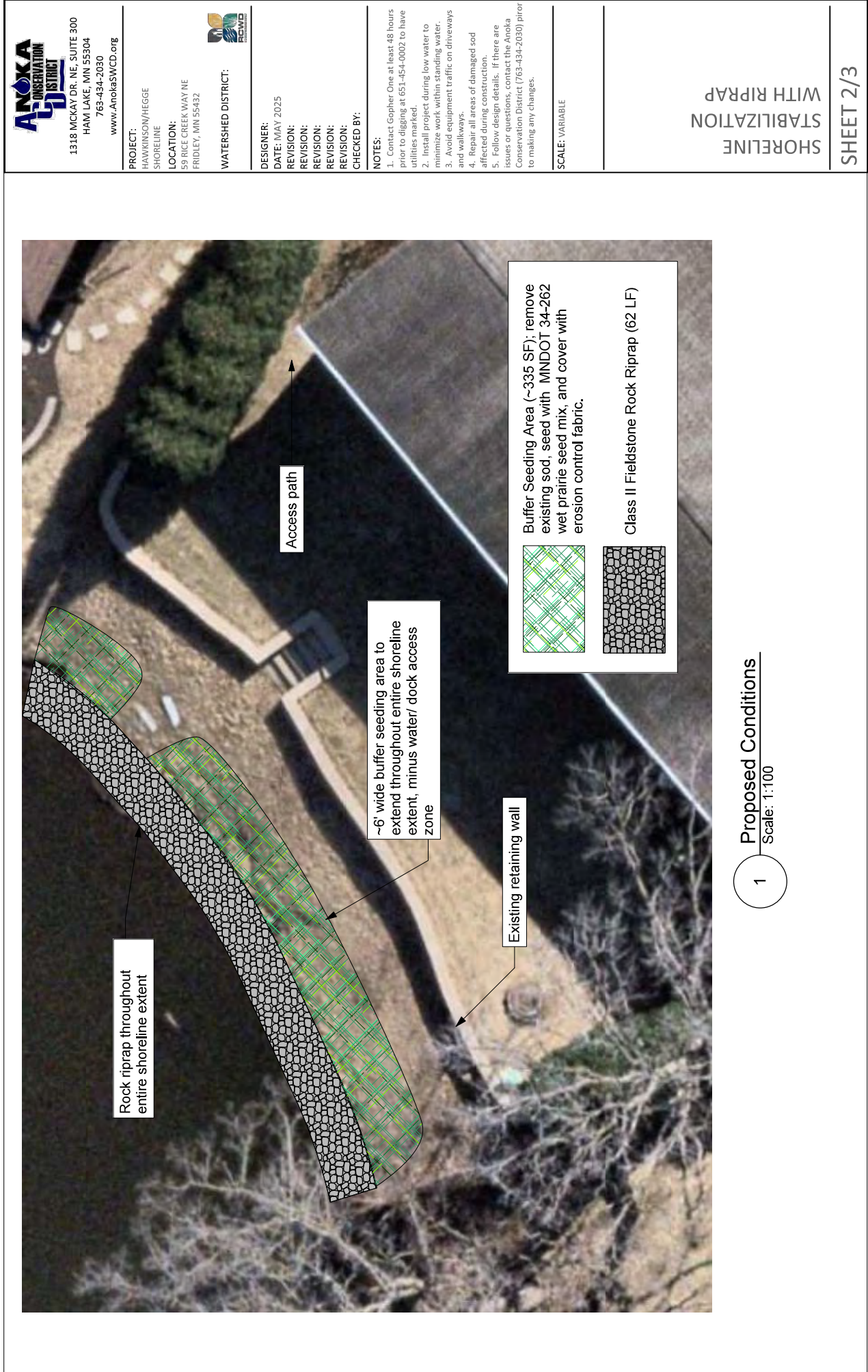
NOTES:

1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
2. Install project during low water to minimize work within standing water.
3. Avoid equipment traffic on driveways and walkways.
4. Repair all areas of damaged sod affected during construction.
5. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

SCALE: VARIABLE

SHORELINE
STABILIZATION
WITH RIPRAP

SHEET 1/3



ANOKA
CONSERVATION
DISTRICT

1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.AnokaSWCD.org

PROJECT:
HAWKINS/HEGGE
SHORELINE

LOCATION:
59 RICE CREEK WAY NE
FRIDLEY, MN 55432

WATERSHED DISTRICT:



DESIGNER:
DATE: MAY 2025

REVISION:
REVISION:
REVISION:
REVISION:

CHECKED BY:

NOTES:

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2. Install project during low water to minimize work within standing water.
3. Avoid equipment traffic on driveways and walkways.
4. Repair all areas of damaged sod affected during construction.
5. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

SCALE: VARIABLE

SHORELINE
STABILIZATION
WITH RIPRAP

SHEET 2/3

1 Proposed Conditions
Scale: 1:100

GENERAL PROJECT STEPS

1. Secure contractor - Landowner solicits at least two quotes and selects lowest-bidding contractor.
2. Pre-construction meeting - ACD staff hold brief pre-construction meeting with landowner(s) and selected contractor.
3. Verify property boundary - Contractor must verify project extents with landowner to fit within property boundaries.
4. Order materials and seed - Contractor to place orders in advance of the date needed to ensure availability and delivery.
5. Utility locate - Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked - contractor's responsibility. Landowners to make contractors aware of any private utilities present.
6. Install riprap - See cross-sections for riprap details. Dig riprap toe trench, place excavated materials along base of shoreline, install Type 7 geotextile fabric, and place Class II riprap (variety of rock diameters ranging from 4" to 12").
7. Remove existing sod in proposed buffer area and seed - Mark planting areas. Remove and dispose of top 2" of sod. Seed with specified wet prairie mix, ensuring good seed to soil contact. Install erosion control blanket immediately thereafter to avoid soil erosion. Ensure erosion control blanket is installed as per manufacturer's specifications, including staking, edge overlap, and burying terminal edges in trenches.
8. Site restoration - Contractor is responsible to restore any site disturbance due to construction through grading and re-seeding with turf grass. Landowner is responsible to water seeded areas.
9. Contractor watering - Water all seeded areas before planting and immediately after planting (ensure adequate water is applied to wet the soil below the erosion control fabric).
10. Landowner watering - Landowner will ensure that planting receives at least 1" of water per week through September. The first 60 days after planting are most critical.
11. Landowner weeding - Landowner will remove weeds approximately every two weeks. Any plant in the project area that was not planted should be removed (except aquatic plants like cattails, where State law governs).
12. Landowner maintenance - As needed, remove weeds and refresh mulch. After the first growing season the need for watering will be minimal, but during drought conditions occasional watering is beneficial.

- Materials and plant substitutions may be made with advanced authorization from ACD.
- Direct questions to Breanna Keith at 763-434-2030 ext 160 or breanna.keith@anokaswcd.org

ESTIMATED QUANTITIES

NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE	NOTES
1	MOBILIZATION	LS	1			
2	EXCAVATION (NO DISPOSAL REQUIRED PER PLAN SET)	CY	2.3			
3	TYPE IV GEOTEXTILE FABRIC	SY	71			
4	FIELDSTONE RIPRAP CLASS II	CY	20			
5	SOD REMOVAL AND DISPOSAL	CY	2.3			
6	MNDOT SEED MIX 34-262 NATIVE WET PRAIRE MIX	LB	0.40			31.5 LBS/AC
7	EROSION CONTROL BLANKETS (CATEGORY 4) AND BIO-STAKES (BIODEGRADABLE)	SY	54			
8	SITE RESTORATION	LS	1			



1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.AnokaSWCD.org

PROJECT:

HAWKINSON/HEGGE
SHORELINE

LOCATION:

59 RICE CREEK WAY NE
FRIDLEY, MN 55432



WATERSHED DISTRICT:

DESIGNER:

DATE: MAY 2025

REVISION:

REVISION:

REVISION:

REVISION:

CHECKED BY:

NOTES:

1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
2. Install project during low water to minimize work within standing water.
3. Avoid equipment traffic on driveways and walkways.
4. Repair all areas of damaged sod affected during construction.
5. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

SCALE: VARIABLE

SHORELINE
STABILIZATION
WITH RIPRAP

SHEET 3/3

NO.	ITEM DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	EXTENDED PRICE
1	MOBILIZATION	LS	1	\$5,000.00	\$5,000.00
2	EXCAVATION (NO DISPOSAL REQUIRED PER PLAN SET)	CY	2.3	\$200.00	\$460.00
3	TYPE IV GEOTEXTILE FABRIC	SY	71	\$5.50	\$390.50
4	FIELDSTONE RIPRAP CLASS II (SEE MNDOT SPECIFICATIONS)	CY	20	\$250.00	\$5,000.00
5	SOD REMOVAL AND DISPOSAL	CY	2.3	\$250.00	\$575.00
6	MNDOT SEED MIX 34-262 NATIVE WET PRAIRIE MIX	LB	0.40	\$1,508.00	\$603.20
7	EROSION CONTROL BLANKETS (CATEGORY 4) AND BIO-STAKES (BIODEGRADABLE)	SY	54	\$7.00	\$378.00
8	SITE RESTORATION	LS	1	\$4,000.00	\$4,000.00
				SUBTOTAL	\$16,406.70
				20% CONTINGENCY	\$3,281.34
				GRAND TOTAL	\$19,688.04



JERRY KONZ
(320) 980-2710
jerry@jklandscape.com

ESTIMATE

**19512 HUBBLE ROAD
CLEARWATER, MN 55320**

DATE	ESTIMATE #
6/27/2025	9111

OFFICE USE ONLY:			
P	I	D	L

CONTRACTOR #: BC631037

CUSTOMER MAILING ADDRESS:

Kathy Hegge
59 Rice Creek Way
Fridley, MN 55432

PROJECT ADDRESS:

763-370-1688

**ASK ABOUT
AVAILABLE
FINANCING!!**

[illegible]

- * Unless noted, this estimate does not include any permit/application fees. We can obtain these for an additional fee.
 * By Signing this Estimate and Contract, you are Acknowledging that you have Read and Agree to the Contract and Warranty Terms, which are also located on our website at: www.jklandscape.com/resources/contract-terms
 * Please See Our Website to View the Project Gallery & Detailed Services We Have To Offer.
 * Credit Card payments require an additional 5% Processing Fee.

WE APPRECIATE YOUR BUSINESS !!!

TOTAL ESTIMATE: \$21,115.00

* Estimates are good for 30 Days.

CUSTOMER SIGNATURE

DATE _____

43.11



**HAWKINSON/HEGGE RES.
59 RICE CREEK WAY NORTHEAST
FRIDLEY, MINNESOTA 55432**

Sales: Paul Mayhew

59 Rice Creek Way Northeast-108102 | Design & Build
59 Rice Creek Way Northeast Fridley, Minnesota 55432

Est ID: EST5577834

Date: Jul-21-2025

Mobilization **\$1,000.09**

Cost for material delivery and transport to job site.

Excavation **\$3,836.77**

No soil disposal from site, all soil excavated from site to be re-used as fill on site.

Geotextile Fabric **\$281.28**

Material & Labor Number

Rip-Raping of Shoreline **\$11,912.90**

Includes the Materials and Labor to install 20 cy. of 6"-12" Class II Limestone (feildstone) Rip-Rap.

Site Prep., Sod Removal & Disposal **\$1,483.81**

Includes, removal and disposal of existing sod to create and prep. 6' wide wildflower buffer zone. (below wall, above rip-rap)

Wild Flower & Grass Seeding **\$358.06**

Mickman Brothers
14630 MN-65
Ham Lake, Minnesota
55304

P.(763) 413-3000

<https://www.mickman.com/>
jeff.sutter@mickman.com

page 1 of 3

Install MNDOT Seed mix 34-262 (Native wet prairie mix), w/oats seed cover crop

Erosion Control

\$1,062.95

Install, Silt fencing, Geo-logs and erosion control Straw blankets

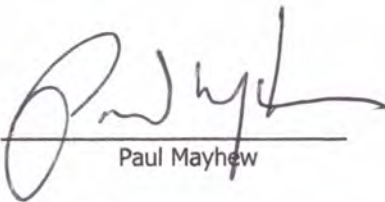
Sod Restoration

\$7,568.06

Sod Restoration for machine access from road to top of lake side ret. wall. Also includes, the restoration of sod between top of seeded buffer zone and bottom of lakeside ret. wall.

Subtotal	\$27,503.92
Taxes	\$0.00
Estimate Total	\$27,503.92

* Bid or bids do not include irrigation restoration. Additional cost for repairs or adjustments if system is damaged during construction.* Removals are estimated to be 2"-3" deep. If additional materials are discovered under the 2"-3" surface, additional charges will apply.* Sod Restoration for machine access is not included in proposal. If repairs are needed additional cost will be applied. Mickman Brothers, Inc. guarantees its Deciduous and Evergreen trees and shrubs for one year. It is our Policy to replace, one time, any plant that fails to survive under normal growing conditions* for one year. Perennials and Roses are warranted until September 1 of the year that they are purchased. Annuals and Sod are not warranted. This proposal may be withdrawn by us if not accepted within 30 days.* Normal Growing Conditions do not include damage due to any other means than our climate. All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements are contingent upon strikes, accidents or delays beyond our control. The owner is to carry fire, tornado and any other necessary insurance. Our workers are fully covered by Worker's Compensation Insurance. Mickman Brothers Inc. will arrange to have located and be responsible for all public utility service lines on the property of the owner. These utilities are limited to telephone, electric, gas, and cable TV lines. Reciprocally, the owner is responsible for notifying the exact locations of all other obstacles that could be damaged including, but not limited to: existing sprinkler lines, underground wiring and private gas lines. Mickman Brothers Inc. cannot be responsible for any unknown perils. Warranty is void if payment for project is one week overdue. People or companies furnishing labor or materials for the improvement of real property may enforce a lien upon the improved land if they are not paid for their contributions, even if the parties have no direct contractual relationship with the owner. If the customer fails to pay any invoice when due, including applicable late fees and finance charges and collection efforts become necessary, Customers shall also pay all of Mickman Brothers' costs of collection including legal fees. Acceptance of Proposal - The above prices, specifications, and conditions are satisfactory and are hereby accepted. Mickman Brothers, Inc. is authorized to do the work specified. Payment to be made as outlined above.

Contractor: 
Paul Mayhew

Client: _____

Signature Date: 07/21/2025

Signature Date: _____

Email: paul.mayhew@mickman.com

MEMORANDUM

Rice Creek Watershed District



Date: July 7th, 2025
To: RCWD Board of Managers
From: Molly Nelson, Outreach and Grants Technician
Subject: Water Quality Grant Application, A25-02 Verzal Shoreline Restoration & Stabilization

Introduction

A25-02 Verzal Shoreline Restoration & Stabilization

- Applicant: Michelle Verzal
- Location: 6709 E Shadow Lake Drive, Circle Pines
- Total Eligible Project Cost: \$8,706.75
- RCWD Grant Recommendation: \$4,353.38 (50%)

Background

The A25-02 Verzal Shoreline Restoration & Stabilization Water Quality Grant application proposes a shoreline restoration and stabilization on a residential property located in Circle Pines on Reshanau Lake.

The Anoka Conservation District (ACD) drafted the designs for the project and provided recommendations for a cost-share grant award which has been reviewed and approved by RCWD staff for CAC review. The project as proposed is designed to stabilize 25 linear feet with riprap, regrade 35 linear feet of the shoreline, and install a 325 square foot native plant buffer. The total treated catchment area for the project is 0.26 acres. The estimated pollutant reductions for the proposed project are: 1,288 cu-ft/yr reduction in volume (26%), 1,732.5 lbs/yr reduction in total suspended solids (TSS), and 1.39 lbs/yr total phosphorus (TP). The project location scored a value of 18 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained 1 bid for the project:

- Envision Hardscapes: \$7,081.00
- Landowner Contribution: \$1,625.75

The CAC was supportive of the project and recommended it as presented. Motion carried 5-0.

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$4,353.38 not to exceed 50% of eligible project expenses of \$8,706.75.

Staff Recommendation

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for A25-02 Verzal Shoreline Restoration & Stabilization.

Request for Proposed Motion

Manager _____ moves to authorize the RCWD Board President, on advice of counsel, to approve the Water Quality Grant Contract for A25-02 of \$4,353.38 not to exceed 50% of eligible project

costs or up to \$10,000.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

A25-02 Verzal Shoreline Restoration & Stabilization application documents.

MEMORANDUM

Rice Creek Watershed District



Date: July 29th, 2025
To: RCWD Citizen Advisory Committee
From: Molly Nelson, Outreach and Grants Technician
Subject: A25-02 Verzal Shoreline Restoration & Stabilization

Introduction

A25-02 Verzal Shoreline Restoration & Stabilization

- Applicant: Michelle Verzal
- Location: 6709 E Shadow Lake Drive, Circle Pines
- Total Eligible Project Cost: \$8,706.75
- RCWD Grant Recommendation: \$4,353.38 (50%)

Background

The A25-02 Verzal Shoreline Restoration & Stabilization Water Quality Grant application proposes a shoreline restoration and stabilization on a residential property located in Circle Pines on Reshanau Lake.

The Anoka Conservation District (ACD) drafted the designs for the project and provided recommendations for a cost-share grant award which has been reviewed and approved by RCWD staff for CAC review. The project as proposed is designed to stabilize 25 linear feet with riprap, regrade 35 linear feet of the shoreline, and install a 325 square foot native plant buffer. The total treated catchment area for the project is 0.26 acres. The estimated pollutant reductions for the proposed project are: 1,288 cu-ft/yr reduction in volume (26%), 1,732.5 lbs/yr reduction in total suspended solids (TSS), and 1.39 lbs/yr total phosphorus (TP). The project location scored a value of 18 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained 1 bid for the project:

- Envision Hardscapes: \$7,081.00
- Landowner Contribution: \$1,625.75

The Anoka Conservation District provided a cost estimate amounting to \$10,397 for the project which is consistent with the lowest bid provided for this application.

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$4,353.38 not to exceed 50% of eligible project expenses of \$8,706.75.

Attachments

- A25-02 Verzal Shoreline Restoration & Stabilization application documents.



ANOKA CONSERVATION DISTRICT

1318 McKay Drive NE, Suite 300
Ham Lake, MN 55304
Phone: (763) 434-2030 Fax: (763) 434-2094
www.AnokaSWCD.org

MEMORANDUM

TO: RCWD Board of Managers and Citizen Advisory Committee
FROM: Breanna Keith, Water Resource Specialist
DATE: July 25, 2025
SUBJECT: Water Quality Grant Program Application – Verzal Lakeshore Restoration/
Stabilization, Reshanau Lake, Circle Pines

The following summarizes the RCWD Water Quality Grant Program application to cost-share the installation of a shoreline restoration project along 60 linear feet of eroding shoreline on Reshanau Lake in Circle Pines. Project components include removing an existing and failing landscape block wall, installing 25 linear feet of fieldstone rock riprap, re-grading 35 linear feet of shoreline to a stable slope, and planting a buffer of native vegetation encompassing 325 square feet throughout. The landowners plan to hire a contractor for some of the work (re-grading and rock riprap installation), and do the remainder themselves (buffer planting and associated site prep, mulching, and edging work).

PROJECT DESCRIPTION

Reshanau Lake is currently listed as shallow with pier recreation access and has a 'Restoration' classification under RCWD's lake management classification system.

Motor boats are commonly owned and used by lakeshore residents, but boating activity (and the wave action resulting from it) is limited by the lack of a public boat launch. Therefore, some boat wakes, but otherwise mostly natural wave action, ice heaving, and seasonal water level fluctuations, are the primary causes of erosion; because it's located on the E/ SE shoreline, the Verzal property is on the dominant down-wind side of the lake across a large expanse of water. The shoreline also currently lacks native vegetation at the waters edge, making it even more susceptible to erosion.

Currently, the Verzal's shoreline contains a vertical face of bare soil which they have attempted to protect with some landscape stones. Installing a shoreline restoration project here would reduce associated sediment and nutrient loading to Reshanau Lake, while filtering water from the yard upslope and providing improved habitat.



Project location relative to the Rice Creek Watershed boundaries and Reshanau Lake.

PROJECT DESIGN

See the detailed project design for more information. The shoreline extent north of the dock is slightly taller and steeper than the rest, and in close proximity to a large and valued tree. In order to protect the shoreline from erosion while avoiding impacts to the tree's root system from substantial re-grading, we recommend installing fieldstone rock riprap to a modest elevation, and completing only minor re-grading paired with a native buffer planting above. For the remainder of the shoreline, we recommend re-grading the current vertical face to a gradual slope, and densely planting a variety of native grasses, sedges, and flowers throughout for stability. Selected species are well adapted to water level fluctuations.

ESTIMATED POLLUTANT REDUCTIONS

Pollutant reductions were estimated using the Wisconsin NRCS erosion calculator. From that, the annual estimated reductions associated with this project are as follows:

- Total suspended solids - 1,732.5 lbs
- Total phosphorus - 1.386 lbs

ELIGIBLE EXPENSES AND REQUESTED FUNDING

The grant request outlined in this section is based on the combination of a quote provided by Envision Hardscapes to complete the shoreline re-grading and installation of rock riprap, and the designer's cost estimates for materials and labor (calculated at a rate of \$20/ hour for landowner in-kind match) to install the buffer planting components. See tables below and attached quote from Envision Hardscapes for more detail. Only one quote was received for the excavation and rock riprap installation work because these landowners had already planned to hire this contractor, and this connection resulted in rates similar to or lower than those typically encountered for this type of work.

RCWD Water Quality Grant Program Summary

Contractor & Designer	Total Cost Estimate*	Max RCWD Grant Amount (50%)	Landowner Responsibility (50%)	RCWD Grant Amount Recommended
Envision Hardscapes & Anoka Conservation District	\$8,706.75	\$4,353.38	\$4,353.38	\$4,353.38

*Total Cost Estimate includes combination of the contractor quote for regrading and rock riprap services & ACD's cost estimate for the buffer planting elements to be completed by the landowners. See table on Page 3 for more detail.

STAFF NOTES

The Verzals are motivated to improve Reshanau Lake water quality and native habitat along their shoreline. They are willing to use a combination of materials and approaches to cost effectively reduce shoreline erosion while improving shoreline habitat in the process.

RECOMMENDATION

Approve Water Quality Grant Program application for cost-share up to \$10,000.

Verzal Shoreline Restoration: Anoka Conservation District Project Cost Estimate with Combined Contractor Services and Landowner Install

Grant eligible expenses	Unit	Qty	Unit Cost	Total
Site prep - herbicide - supplies	Square Feet	325	\$0.75	\$243.75
Site prep - herbicide - labor	Hours	2	\$20.00	\$40.00
Site prep - clear/rake/till biomass in treated areas - labor	Hours	3	\$20.00	\$60.00
Shoreline and upland slope native plants - 1" Plugs	Each	75	\$4.00	\$225.00
Shoreline and upland slope native plants - 4" Pots	Each	22	\$7.00	\$154.00
Shoreline and upland slope native plants - 1-Gallon Pots	Each	5	\$15.00	\$75.00
Mulch - supplies	Cubic Yard	3	\$45.00	\$135.00
Erosion fabric for planting areas - supplies	Square Yards	17	\$3.00	\$51.00
Vinyl landscape edging - supplies	Linear Feet	65	\$3.00	\$195.00
Fescue / grass seed for site restoration - supplies	Square Yards	4.7	\$10.00	\$47.00
Shoreline plantings, seeding/ site restoration, and fabric/mulch/ edging installation - Labor	Hours	18	\$20.00	\$320.00
Contractor Quote - Shoreline Re-Grading and Riprap Installation	Lump Sum	1	\$7,081.00	\$7,081.00
ESTIMATED PROJECT SUPPLY COST – LANDOWNER PURCHASE				\$1,125.75
ESTIMATED LABOR AND MATERIALS COST - CONTRACTOR				\$7,081.00
ESTIMATED PROJECT LABOR COST - LANDOWNER @ \$20 PER HOUR				\$500.00
TOTAL ESTIMATED PROJECT COST				\$8,706.75
RCWD GRANT PAYMENT (50%)				\$4,353.38
ESTIMATED LANDOWNER CONTRIBUTION (50%)				\$4,353.38

SITE PICTURES

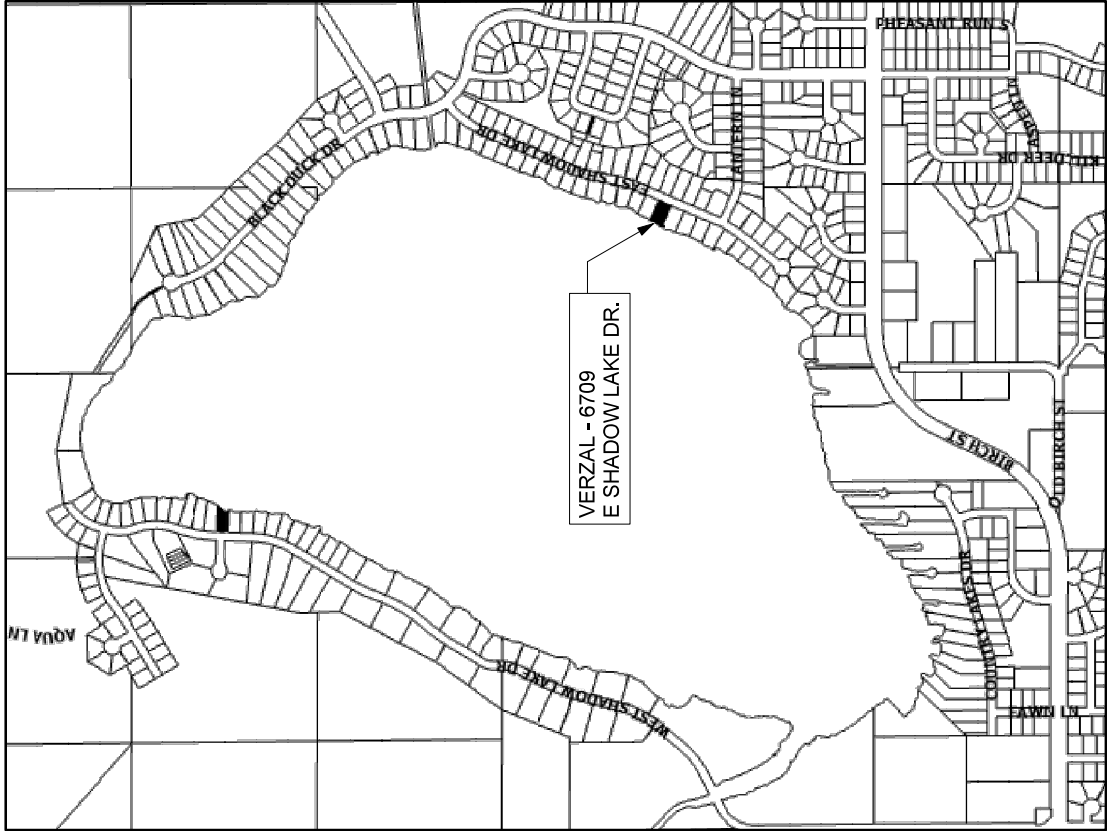
Figure 1: Current bank condition. Picture taken facing north/ northeast. Severe undercutting is occurring, and landowners have placed landscaping stone along the shoreline for temporary protection.



Figure 2: Current bank condition. Picture taken facing south/ southwest. This area will be re-graded to a stable slope and planted with dense native vegetation.



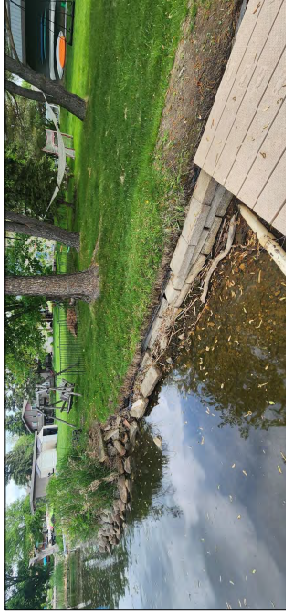
VERZAL LAKESHORE RESTORATION



LINO LAKES, ANOKA COUNTY

PROJECT LOCATION

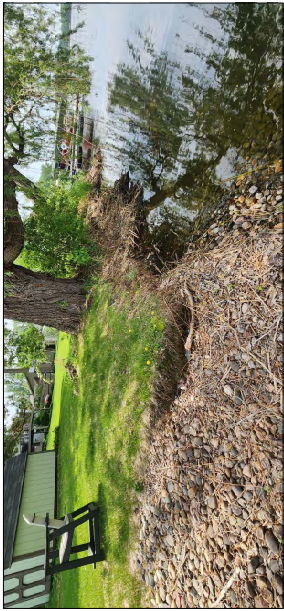
EXISTING CONDITIONS SPRING 2025



FROM DOCK, FACING NE



FROM DOCK, FACING SE



FROM ROCKED WATER ACCESS, FACING SE

PROJECT SYNOPSIS

Remove 60 linear feet of failing block retaining wall at water's edge, regrade shoreline to a stable 3H:1V slope, install 25 If moderate rock riprap, and plant a buffer of native vegetation throughout.



1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.AnokaSWCD.org

PROJECT: VERZAL LAKESHORE
STABILIZATION

LOCATION:
6709 E SHADOW LAKE DR
LINO LAKES, MN 55014

CLIENT: MICHELLE VERZAL

DESIGNER: BREANNA KEITH
DATE: 07/15/2025
REVISION:
REVISION:

NRCS PRACTICE #: 580

JAA SIGNATURE/DATE: XXXXX/2024
NRCS PRACTICE #:


JAA SIGNATURE/DATE:

NOTES:
1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
2. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

SCALE: VARIABLE

PROJECT LOCATION

SHEET 1/6



1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.anokaswcd.org

PROJECT: VERZAL LAKESHORE STABILIZATION

LOCATION:
6709 E SHADOW LAKE DR
LINO LAKES, MN 55014

CLIENT: MICHELLE VERZAL

DESIGNER: BREANNA KEITH
DATE: 07/15/2025
REVISION:
REVISION:

NRCS PRACTICE #: 580

JAA SIGNATURE/DATE:
NRCS PRACTICE #:

JAA SIGNATURE/DATE:

NOTES:
1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
2. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

SCALE: VARIABLE

EXISTING CONDITIONS

SHEET 2/6



1 EXISTING CONDITIONS

Scale: 1" = 10'-0"



1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.AnokaSWCD.org

PROJECT: VERZAL LAKESHORE STABILIZATION

LOCATION:
6709 E SHADOW LAKE DR
LINO LAKES, MN 55014

CLIENT: MICHELLE VERZAL

DESIGNER: BREANNA KEITH
DATE: 07/15/2025
REVISION:

NRCS PRACTICE #: 580

JAA SIGNATURE/DATE:

NRCS PRACTICE #:

JAA SIGNATURE/DATE:

NOTES:
1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
2. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

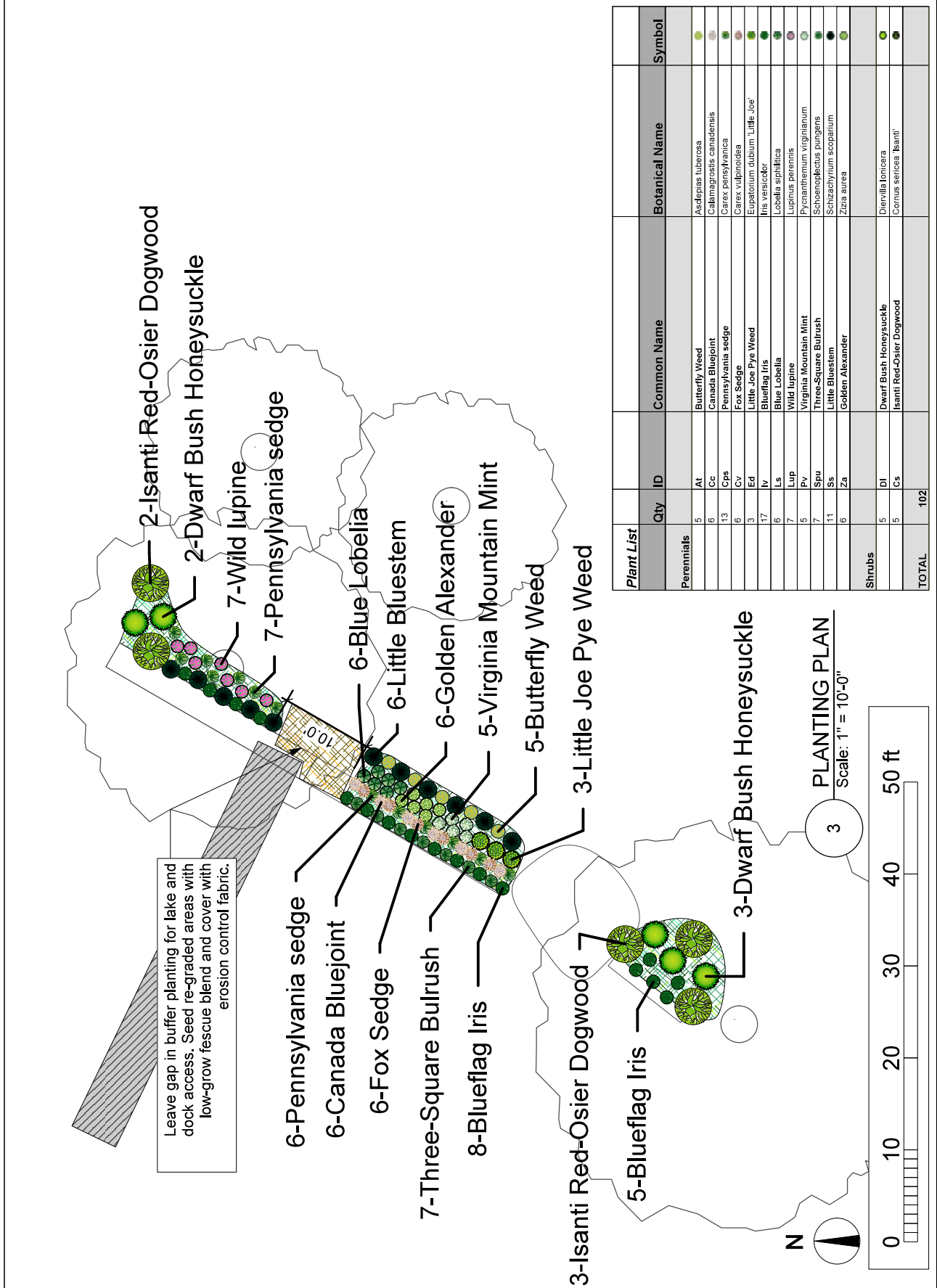
SCALE: VARIABLE

PROPOSED CONDITIONS

SHEET 3/6



2 PROPOSED CONDITIONS
Scale: 1" = 10'-0"



GENERAL PROJECT STEPS

- 1. Secure contractor - If hiring a contractor, landowner solicits at least two quotes and selects lowest-bidding contractor. If doing work themselves, in-kind match for labor will be calculated.
- 2. Pre-construction meeting - ACD staff hold brief pre-construction meeting with landowner(s) and selected contractor (if applicable).
- 3. Verify property boundary - Contractor and/or landowner must verify that project extents fit within property boundaries.
- 4. Utility locate - Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked. Landowner to mark any private utilities.
- 5. Layout and herbicide (if being used) - Mark planting areas. Before or after grading treat existing vegetation within planting area with glyphosate herbicide. Do not remove the sod or till/grade except where required to achieve the design cross-section. If herbicide overspray into the lake may occur it must be minimized and an aquatic-safe glyphosate is required. No herbicide should be applied to existing emergent aquatic plants, such as cattails or other vegetation in the lake. Repeat the herbicide treatment two weeks after the initial treatment. Landscape fabric and/or erosion control blanket and mulch may occur immediately thereafter. Planting may occur no sooner than five days after the second herbicide treatment.
- 6. Re-grade shoreline and install riprap - See cross-sections for riprap details. Dig riprap toe trench, install Type 7 geotextile fabric, and place Class II field stone riprap (variety of rock diameters ranging from 4" to 12").
- 7. Install erosion control blanket throughout re-grading and buffer planting areas - Ensure erosion control blanket is installed as per manufacturer's specifications, including staking, edge overlap, and burying terminal edges in trenches.
- 8. Install lawn edging (if desired) - Edging circumscribes planting area, except on lakeshore along waters edge. Edging should lay flat to ground level for ease of future mowing and dock installation/removal. Do not install edging within 2 feet of waters edge.
- 9. Mulch - Spread 3" thick maximum layer of double-shredded hardwood mulch in planting area.
- 10. Plant - For each plant, pull mulch aside and cut an "X" in the landscape fabric or erosion control blanket. A cordless drill with bulb auger may be used to make plant hole. All plants should be spaced as shown in planting plan.
- 11. Watering - Landowner will ensure that planting receives at least 1" of water per week through October. The first 60 days after planting are most critical.
- 12. Landowner weeding - Landowner will remove weeds approximately every two weeks. Any plant in the project area that was not planted should be removed (except aquatic plants like cattails, where State law governs).
- 13. Landowner maintenance - As needed, remove weeds and refresh mulch. After the first growing season the need for watering will be minimal, but during drought conditions occasional watering is beneficial.

- Materials and plant substitutions may be made with advanced authorization from ACD.
- Direct questions to Breanna Keith at 763-434-2030 ext 160 or breanna.keith@anokaswcd.org

ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY
1	MOBILIZATION	EA	1
2	HERBICIDE EXISTING VEGETATION (RODEO OR SIMILAR AQUATIC-SAFE GLYPHOSATE CONCENTRATE, 2 APPLICATIONS)	SF	325.0
3	COMMON EXCAVATION, EV*	CY	3.4
4	HAUL AND DISPOSE OF EXCESS MATERIAL, EV*	CY	3.4
5	REMOVE LANDSCAPING BLOCKS ALONG SHORELINE*	LF	50.0
6	TYPE 7 GEOTEXTILE	SY	15.0
7	CLASS II FIELD STONE RIPRAP (SIZE DISTRIBUTION 4" TO 12" DIAMETER)	TON	5.0
8	EROSION CONTROL BLANKET (CATEGORY 30) AND BIO-STAKES (BIODEGRADABLE)	SY	45.0
9	VINYL LANDSCAPE EDGING	LF	85.0
10	DOUBLE SHREDDED HARDWOOD MULCH (3" MAX)	CY	3.0
11	1" PLANT PLUG (ALL SPECIES NOT LISTED IN OTHER SIZES BELOW)	EA	75
12	4" PLANT POTS (BLUE-FLAG IRIS AND DWARF BUSH HONEYSUCKLE)	EA	22
13	1-GALLON PLANT POT (RED OSIER DOGWOOD)	EA	5
14	FESCUE SEEDING (FOR REGRADING ZONE IN-BETWEEN BUFFER PLANTINGS)	SY	4.7
15	RESTORATION OF ANY SITE ACCESS PATHS AND/OR STAGING AREAS	LS	1



1318 MCKAY DR. NE, SUITE 300
HAM LAKE, MN 55304
763-434-2030
www.anokaswcd.org

PROJECT: VERZAL LAKESHORE
STABILIZATION

LOCATION:
6709 E SHADOW LAKE DR
LINO LAKES, MN 55014

CLIENT: MICHELLE VERZAL

DESIGNER: BREANNA KEITH
DATE: 07/15/2025
REVISION:
REVISION:
NRCS PRACTICE #: 580

JAA SIGNATURE/DATE:
NRCS PRACTICE #:

JAA SIGNATURE/DATE:

NOTES:
1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
2. Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

SCALE: VARIABLE

PROPOSED
CONSTRUCTION
SEQUENCE AND
ESTIMATED
QUANTITIES

SHEET 6/6

ANOKA CONSERVATION DISTRICT – DESIGNERS ESTIMATE FOR CONTRACTED INSTALLATION					
NO.	ITEM DESCRIPTION	UNIT	TOTAL ESTIMATED QUANTITY	ESTIMATED UNIT COST	TOTAL ESTIMATED COST
1	MOBILIZATION	EA	1	1000	1000
2	HERBICIDE EXISTING VEGETATION (RODEO OR SIMILAR AQUATIC-SAFE GLYPHOSATE CONCENTRATE, 2 APPLICATIONS)	SF	325.0	0.8	244
3	COMMON EXCAVATION, EV*	CY	3.4	200.0	680
4	HAUL AND DISPOSE OF EXCESS MATERIAL, EV*	CY	3.4	250.0	850
5	REMOVE LANDSCAPING BLOCKS ALONG SHORELINE*	LF	50.0	25.0	1250
6	TYPE 7 GEOTEXTILE	SY	15.0	5.5	83
7	CLASS II FIELD STONE RIPRAP (SIZE DISTRIBUTION 4" TO 12" DIAMETER)	TON	5.0	275.0	1375
8	EROSION CONTROL BLANKET (CATEGORY 30) AND BIO-STAKES (BIODEGRADABLE)	SY	45.0	7.0	315
9	VINYL LANDSCAPE EDGING	LF	65.0	6.5	423
10	DOUBLE SHREDDED HARDWOOD MULCH (3" MAX)	CY	3.0	85.0	255
11	1" PLANT PLUG (ALL SPECIES NOT LISTED IN OTHER SIZES BELOW)	EA	75	6	469
12	4" PLANT POTS (BLUE-FLAG IRIS AND DWARF BUSH HONEYSUCKLE)	EA	22	18	385
13	1-GALLON PLANT POT (RED OSIER DOGWOOD)	EA	5	25	125
14	FESCUE SEEDING (FOR REGRADING ZONE IN-BETWEEN BUFFER PLANTINGS)	SY	4.7	45.0	212
15	RESTORATION OF ANY SITE ACCESS PATHS AND/OR STAGING AREAS	LS	1	1000	1000
				SUBTOTAL	8664
				20% CONTINGENCY	1733
				GRAND TOTAL	10397

ESTIMATE
VERZAL LAKESHORE STABILIZATION

Grand Total (USD)
\$7,081.00

BILL TO
Michelle and Kevin Verzal
6709 East Shadow Lake Drive
Circle Pines, Minnesota 55014
United States

Michelle.Verzal@gmail.com

Estimate Number: 53
Estimate Date: July 24, 2025
Valid Until: August 23, 2025
Grand Total (USD): \$7,081.00

ITEMS	QUANTITY	PRICE	AMOUNT
Labor - Shoreline Restoration/Heavy Equipment /Linear Ft	60	\$95.00	\$5,700.00
ECM Blanketing Erosion Control/Coconut Straw Blanketing	1	\$120.00	\$120.00
Landscape Staples Underlayment/Blanketing Staples	1	\$26.00	\$26.00
RipRap - Natural Stone Gray Trap - 4" - 12" (or Yellow Limestone 4" - 12") /Ton	5	\$105.00	\$525.00
Fuel Equipment and Transportation	1	\$275.00	\$275.00
Landscaping Fabric Non-Woven Geotextile	1	\$115.00	\$115.00
Landfill/Disposal Debris Disposal/Ton	1	\$75.00	\$75.00



Envision Enterprises, LLC
775 Lakewood Trail
Young America, Minnesota 55397
United States

Contact Information
612-203-9913
www.envisionhardscapes.com

ESTIMATE

VERZAL LAKESHORE STABILIZATION

Grand Total (USD)

\$7,081.00

ITEMS	QUANTITY	PRICE	AMOUNT
Equipment Mini Excavator	1	\$245.00	\$245.00
Grand Total (USD):			\$7,081.00

Notes / Terms

- Project Terms - Services Performed:
- 1. Utility locate - Contact Gopher One to have utilities marked. Landowner to mark any private utilities.
 - 2. Re-grade shoreline and install riprap - Dig riprap toe trench, install Type 7 geotextile fabric, and place Class II field stone riprap.
 - 3. Install erosion control blanket throughout re-grading and buffer planting areas
 - 4. Install lawn edging (if desired)
 - 5. Remove and dispose of project related debris



Envision Enterprises, LLC

775 Lakewood Trail

Young America, Minnesota 55397

United States

Contact Information

612-203-9913

www.envisionhardscapes.com

MEMORANDUM

Rice Creek Watershed District



Date: July 7th, 2025
To: RCWD Board of Managers
From: Molly Nelson, Outreach and Grants Technician
Subject: Water Quality Grant Application, R25-07 Ferris Raingarden & Slope Stabilization

Introduction

R25-07 Ferris Raingarden & Slope Stabilization

- Applicant: Heidi Ferris
- Location: 5209 Hodgson Road, Shoreview
- Total Eligible Project Cost: \$9,863.00
- RCWD Grant Recommendation: \$4,932.00 (50%)

Background

The R25-07 Ferris Raingarden & Slope Stabilization Water Quality Grant application proposes a raingarden installation and upland slope stabilization on a residential property located in Shoreview on Turtle Lake. The purpose of installing a raingarden at this location is to treat the stormwater runoff from the property through the infiltration/filtration processes of native plants before the water flows directly to Turtle Lake. A slope stabilization component was incorporated into the design to stabilize the sandy soils on the steep slope behind the house that leads directly down to the property's shoreline on Turtle Lake. The bioengineered slope will also provide additional filtration of pollutants and prevent significant erosion of soils in the future.

The Ramsey County Parks and Recreation Soil and Water Conservation Division (RSWCD) drafted the designs for the project and provided recommendations for a cost-share grant award which has been reviewed and approved by RCWD staff for CAC review. The project as proposed is designed to install a 200 sqft raingarden to capture the runoff from the property and downspout off the house. The slope stabilization encompasses 4,155 sqft of the property leading down to the shoreline area. The applicant will stabilize this area with native plants and staked logs. The total treated catchment area for the project is 2,186 square feet and is 54% impervious. The estimated pollutant reductions for the proposed project are: 2,433 cu-ft/yr reduction in volume (77%), 31.22 lbs/yr reduction in total suspended solids (TSS) (76%), and a 0.13 lb/year reduction in total phosphorus (TP) (76%). The project location scored a value of 20 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant will be contributing in-kind labor for the project and will not be contracting out the work. The RSWCD provided a materials cost-estimate amounting to \$6,063.00 for the raingarden and \$3,800 for the upland slope stabilization, amounting to a total project cost of \$9,863.00

The CAC was supportive of the project and recommended it as presented. Motion carried 5-0.

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$4,932.00 not to exceed 50% of eligible project expenses of \$9,863.00.

Staff Recommendation

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for R25-07 Ferris Raingarden & Slope Stabilization.

Request for Proposed Motion

Manager _____ moves to authorize the RCWD Board President, on advice of counsel, to approve the Water Quality Grant Contract for R25-07 of \$4,932.00 not to exceed 50% of eligible project costs or up to \$10,000.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

R25-07 Ferris Raingarden & Slope Stabilization application documents.

MEMORANDUM

Rice Creek Watershed District



Date: July 29th, 2025
To: RCWD Citizen Advisory Committee
From: Molly Nelson, Outreach and Grants Technician
Subject: R25-07 Ferris Raingarden & Slope Stabilization

Introduction

R25-07 Ferris Raingarden & Slope Stabilization

- Applicant: Heidi Ferris
- Location: 5209 Hodgson Road, Shoreview
- Total Eligible Project Cost: \$9,863.00
- RCWD Grant Recommendation: \$4,932.00 (50%)

Background

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The applicant will be contributing in-kind labor for the project and will not be contracting out the work. The RSWCD provided a materials cost-estimate amounting to \$6,063.00 for the raingarden and \$3,800.00 for the upland slope stabilization, amounting to a total project cost of \$9,863.00

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$4,932.00 not to exceed 50% of eligible project expenses of \$9,863.00.

Attachments

- R25-07 Ferris Raingarden & Slope Stabilization application documents.

Ramsey County Soil & Water Conservation Division



To: RCWD Advisory Committee

From: Lacey Doucet-Campbell: Environmental Resource Specialist

Date: 7/22/2025

Re: Ferris Cost Share Application

Project: R25-07

5209 Hodgson Rd
Shoreview, MN 55126
Raingarden & Slope Stabilization

Material & Labor Estimate: \$9,863.00

Cost Share Request: \$4,932.00

Background:

The proposed raingarden is located at a residential property in Shoreview. The raingarden captures the runoff from the hard surfaces and landscape of the residential home and yard before it flows down a steep slope and down into Turtle Lake. There is also a steep slope from the yard down to the lake shoreline that is in need of additional plantings to help stabilize the slope long-term.

The proposed project A is to install a raingarden at the low-spot of the yard directly above the steep slope to the lake. The yard will have swales graded to direct the property's runoff into the basin area to collect and infiltrate the water. It will serve to remove volume and pollutants running off of the surrounding landscape before it enters Turtle Lake. It will also be planted with native species to provide pollinator resources throughout the growing season. The proposed project B is to install additional native plants and some mulch on the steep slope to help provide long-term stabilization of the slope.

Total catchment area treated by the proposed project is 2,186 square feet (0.05 acres). It is 54% impervious and includes roof, deck, and landscape/turf grass.

Recommendation:

It is my recommendation that this project be awarded cost share in the amount of \$4,932.00 or 50% of the eligible project costs, whichever is less.

Pollution Reductions:

	<i>Before</i>	<i>After</i>	<i>Reduction</i>	<i>Red. %</i>
Volume (cu-ft/yr)	3,175	743	2,433	77%
TSS (lbs/yr)	41.12	9.90	31.22	76%
TP (lbs/yr)	0.1736	0.0422	0.1314	76%

PLAN
1/16" = 1'-0"

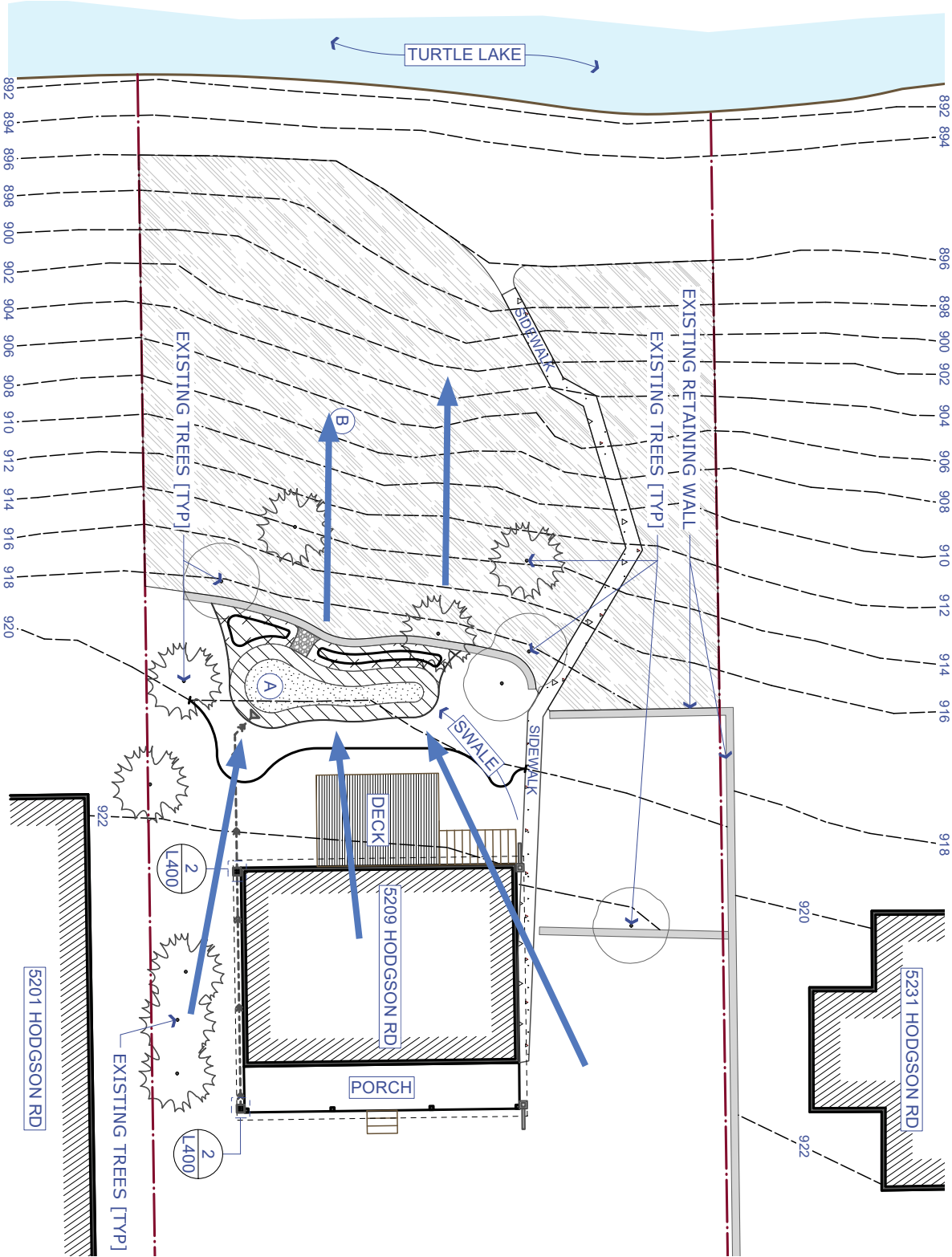


- CONCRETE
- RAINGARDEN BASIN
- 3H:1V SIDE SLOPE
- RAINGARDEN BERM
- MIXED SIZE ROCK [4"-9"]
- NATIVE PLANTING
- 4" SOLID STORM PIPING
- EXISTING DOWNSPOUT
- PROPERTY LINE [APPROXIMATE]
- PROPOSED CONTOUR [1']
- EXISTING CONTOUR [1']

D RAINGARDEN 'A': 200-FT
G DEPTH VATION: 919.00'
W ELEVATION: 919.50'
E ELEVATION: 920.00'

D NATIVE PLANTING 'B': 4,155 SQ-FT
EDING AREA: 4,155
UG COUNT: ~1,500
IRUB COUNT: ~25

NOTES:
DEN SHAPE & LOCATION MAY
N SPECIFIED VOLUME
ND PONDING HEIGHT].
PROPERTY LINE BEFORE ANY
D PREVENT ENCROACHMENTS.
TO VERIFY WITH LANDOWNER
AND/RCSWCD ANY PLAN
ATIONS.



R25-07 Pre-existing Conditions



R25-07 Pre-existing Conditions



1 SITE PLAN

Scale: 1/16" = 1'-0"



	CONCRETE
	RAINGARDEN BASIN
	3H:1V SIDE SLOPE
	RAINGARDEN BERM
	MIXED SIZE ROCK [4"-9"]
	NATIVE PLANTING
	4" SOLID STORM PIPING
	EXISTING DOWNSPOUT
	PROPERTY LINE [APPROXIMATE]
	PROPOSED CONTOUR [1']
	EXISTING CONTOUR [1']

PROPOSED RAINGARDEN 'A': 200-SQ-FT

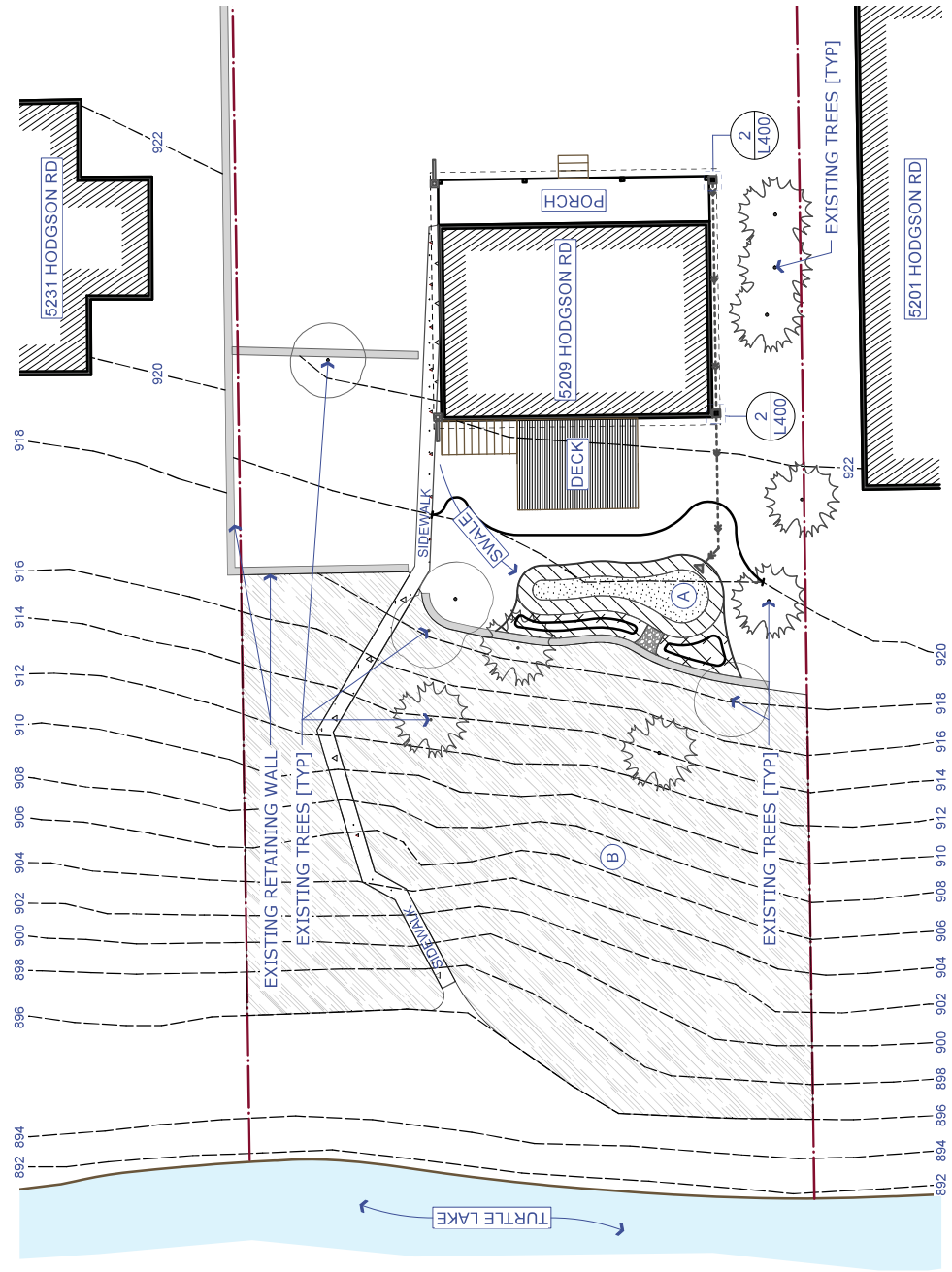
6" PONDING DEPTH
BASIN ELEVATION: 919.00'
OVERFLOW ELEVATION: 919.50'
TOP BERM ELEVATION: 920.00'

PROPOSED NATIVE PLANTING 'B': 4,155 SQ-FT

NATIVE SEEDING AREA: 4,155
NATIVE PLUG COUNT: ~1,500
NATIVE SHRUB COUNT: ~25

PROJECT NOTES:

1. RAINGARDEN SHAPE & LOCATION MAY VARY.
2. MAINTAIN SPECIFIED VOLUME [SQ-FT AND PONDING HEIGHT].
3. VERIFY PROPERTY LINE BEFORE ANY WORK TO PREVENT ENCROACHMENTS.
4. BUILDER TO VERIFY WITH LANDOWNER AND CRWD/RCSWCD ANY PLAN MODIFICATIONS.



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

PROJECT: FERRIS

LOCATION:

5209 HODGSON ROAD
SHOREVIEW, MN 55126

WATERSHED DISTRICT:

RICE CREEK WATERSHED DISTRICT



DESIGNER: J. LOCHNER

DATE: 6/30/2025

REVISION: 4/17/25

REVISION: 5/20/25

REVISION: 6/30/25

CHECKED BY: BTO

TAA:

NOTES:

- ELEVATIONS ARE APPROXIMATE
- UTILITY LOCATIONS ARE APPROXIMATE, CONFIRM LOCATIONS PRIOR TO WORK
- EXCAVATE WITH TRACKED EQUIPMENT ONLY
- SIZE AND SHAPE OF RAINGARDEN MAY VARY
- MAINTAIN SQUARE FEET AND PONDING DEPTH
- VERIFY ANY BID ALTERNATES OR ONSITE CHANGES WITH SWCD STAFF PRIOR TO INSTALLATION
- ORIGINAL SHEET SIZE: 11"x17"

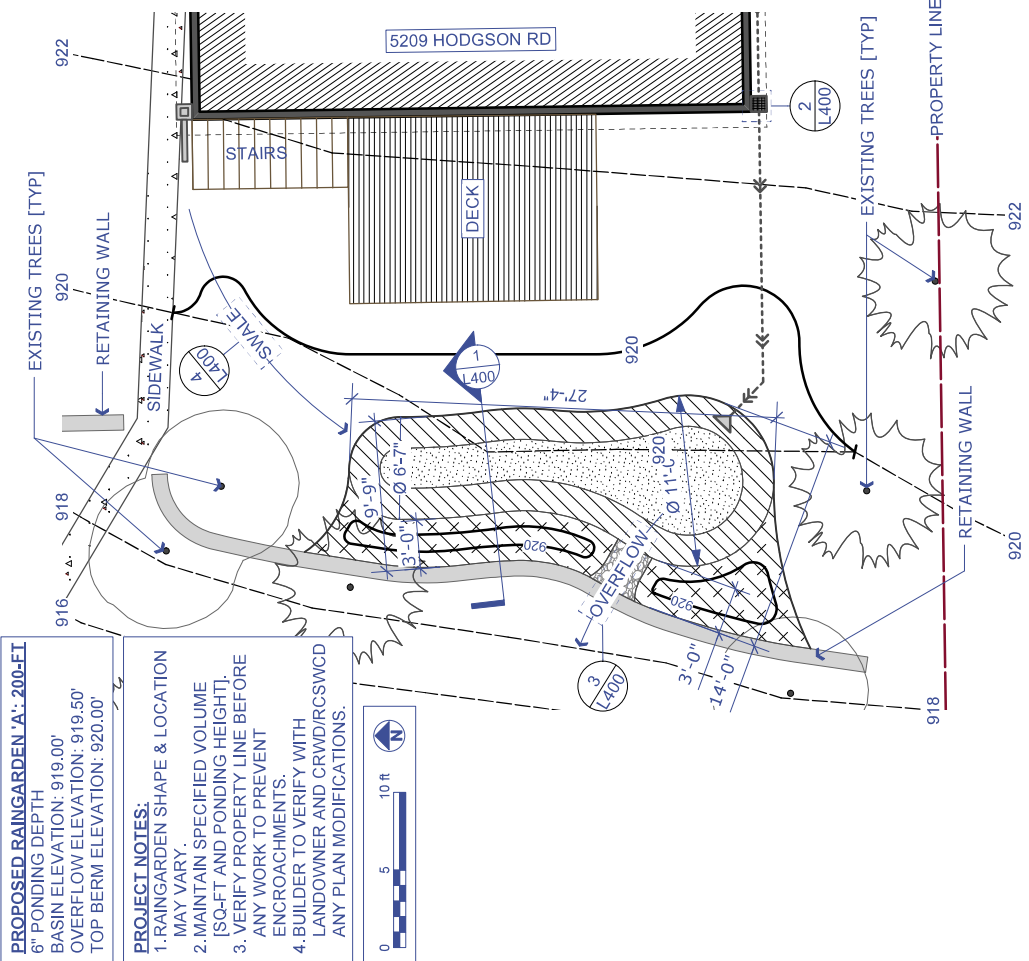
SCALE: 1" = 16'-0"

SITE PLAN

L100

1 RAINGARDEN 'A' LAYOUT

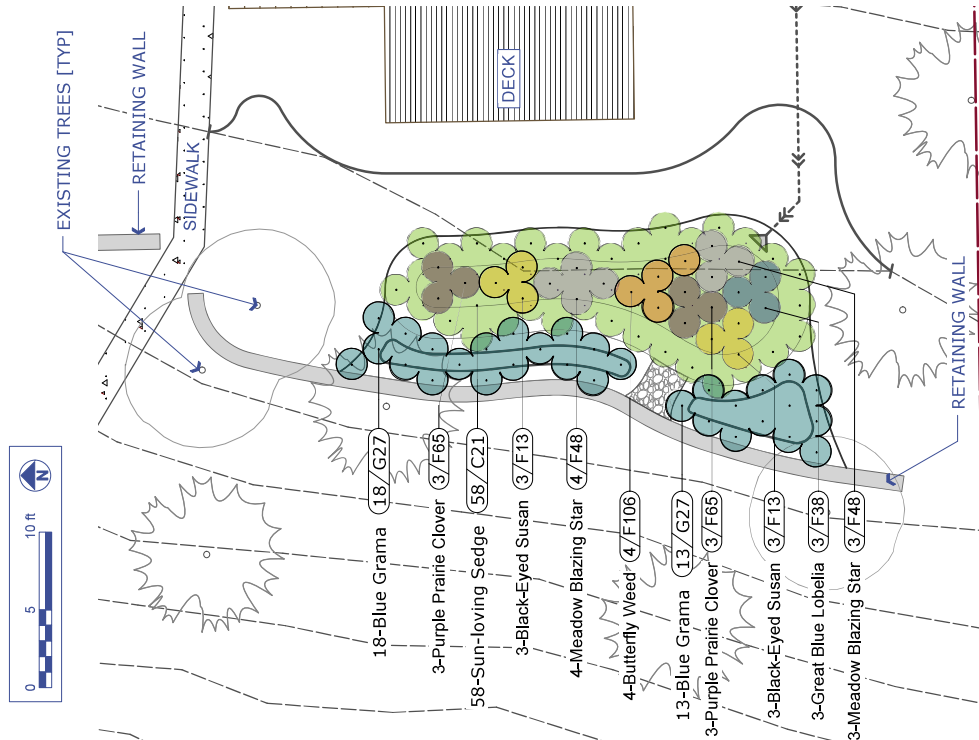
Scale: 1/8" = 1'-0"



PROPOSED RAINGARDEN 'A': 200-SQ-FT
 6" PONDING DEPTH
 BASIN ELEVATION: 919.00'
 OVERFLOW ELEVATION: 919.50'
 TOP BERM ELEVATION: 920.00'
PROJECT NOTES:
 1. RAINGARDEN SHAPE & LOCATION MAY VARY.
 2. MAINTAIN SPECIFIED VOLUME [SQ-FT AND PONDING HEIGHT].
 3. VERIFY PROPERTY LINE BEFORE ANY WORK TO PREVENT ENCROACHMENTS.
 4. BUILDER TO VERIFY WITH LANDOWNER AND CRWD/RCSCWD ANY PLAN MODIFICATIONS.

2 RAINGARDEN 'A' PLANTING

Scale: 1/8" = 1'-0"



Rain Garden 'A' Plant Schedule			
ID	Quantity	Latin Name	Common Name
C21	58	Carex inops	Sun-loving Sedge
F13	6	Rudbeckia hirta	Black-Eyed Susan
F38	3	Lobelia siphilitica	Great Blue Lobelia
F48	7	Liatris ligulistylis	Meadow Blazing Star
F65	6	Daela purpurea	Purple Prairie Clover
F106	4	Asclepias tuberosa	Butterfly Weed
G27	31	Bouteloua gracilis	Blue Grama

RAMSEY COUNTY SWCD
 2015 VAN DYKE STREET
 MAPLEWOOD, MN 55109
 651-266-7280
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PROJECT: FERRIS
LOCATION: 5209 HODGSON ROAD, SHOREVIEW, MN 55126
WATERSHED DISTRICT: RICE CREEK WATERSHED DISTRICT

DESIGNER: J. LOCHNER
DATE: 6/30/2025
REVISION: 4/17/25
REVISION: 5/20/25
REVISION: 6/30/25
CHECKED BY: BTO
TAA:

NOTES:
 -ELEVATIONS ARE APPROXIMATE
 -UTILITY LOCATIONS ARE APPROXIMATE, CONFIRM LOCATIONS PRIOR TO WORK
 -EXCAVATE WITH TRACKED EQUIPMENT ONLY
 -SIZE AND SHAPE OF RAINGARDEN MAY VARY
 -MAINTAIN SQUARE FEET AND PONDING DEPTH
 -VERIFY ANY BID ALTERNATES OR ONSITE CHANGES WITH SWCD STAFF PRIOR TO INSTALLATION
 -ORIGINAL SHEET SIZE: 11"x17"
SCALE: 1" = 8'-0"

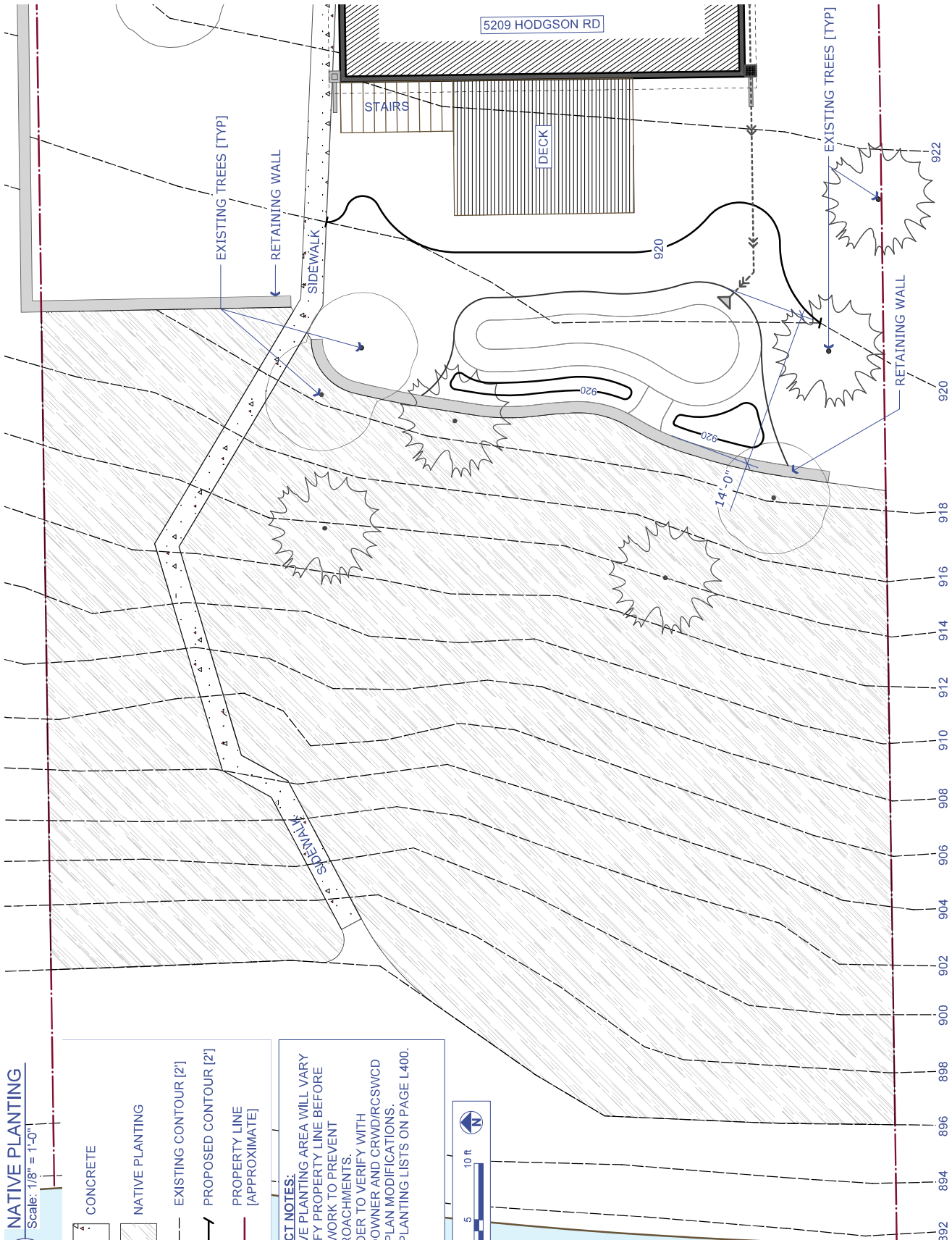
RAINGARDEN 'A'
 LAYOUT & PLANTING
 L200

1 NATIVE PLANTING

Scale: 1/8" = 1'-0"

- CONCRETE
- NATIVE PLANTING
- EXISTING CONTOUR [2']
- PROPOSED CONTOUR [2']
- PROPERTY LINE [APPROXIMATE]

PROJECT NOTES:
 1. NATIVE PLANTING AREA WILL VARY
 2. VERIFY PROPERTY LINE BEFORE
 ANY WORK TO PREVENT
 ENCROACHMENTS.
 3. BUILDER TO VERIFY WITH
 LANDOWNER AND CRWD/RCSWCD
 ANY PLAN MODIFICATIONS.
 4. SEE PLANTING LISTS ON PAGE L400.



RAMSEY COUNTY SWCD
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PROJECT: FERRIS
LOCATION:
 5209 HODGSON ROAD
 SHOREVIEW, MN 55126
WATERSHED DISTRICT:
 RICE CREEK WATERSHED DISTRICT

DESIGNER: J. LOCHNER
DATE: 6/30/2025
REVISION: 4/17/25
REVISION: 5/20/25
REVISION: 6/30/25
CHECKED BY: BTO
TAA:

NOTES:
 -ELEVATIONS ARE APPROXIMATE
 -UTILITY LOCATIONS ARE APPROXIMATE,
 CONFIRM LOCATIONS PRIOR TO WORK
 -EXCAVATE WITH TRACKED EQUIPMENT
 ONLY
 -SIZE AND SHAPE OF RAINGARDEN
 MAY VARY
 -MAINTAIN SQUARE FEET AND PONDING
 DEPTH
 -VERIFY ANY BID ALTERNATES OR ONSITE
 CHANGES WITH SWCD STAFF PRIOR TO
 INSTALLATION
 -ORIGINAL SHEET SIZE: 11"x17"

SCALE: 1" = 8'-0"

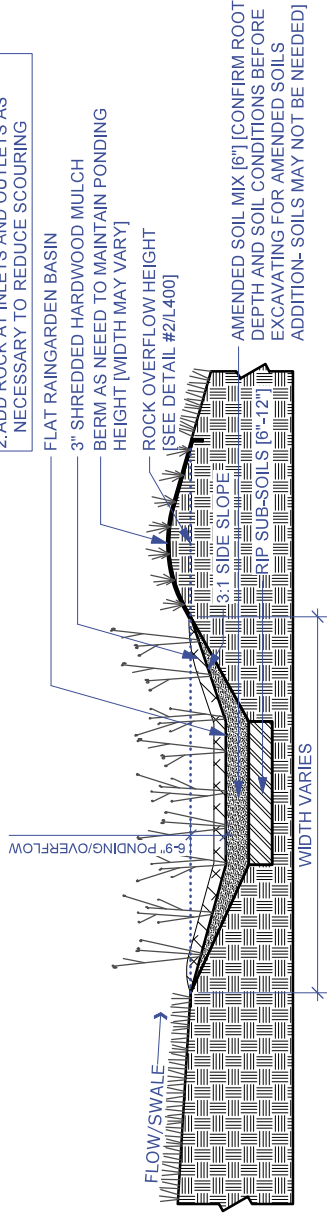
NATIVE PLANTING

L300

1 RAINGARDEN SECTION [TYP]

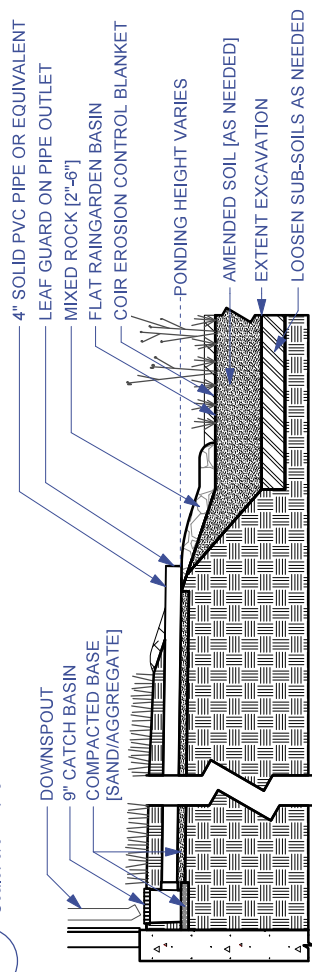
Scale: 3/8" = 1'-0"

- NOTES:**
1. VERIFY EXISTING SOILS. IF WELL DRAINING, AMENDED SOILS MAY NOT BE NECESSARY.
 2. ADD ROCK AT INLETS AND OUTLETS AS NECESSARY TO REDUCE SCOURING.



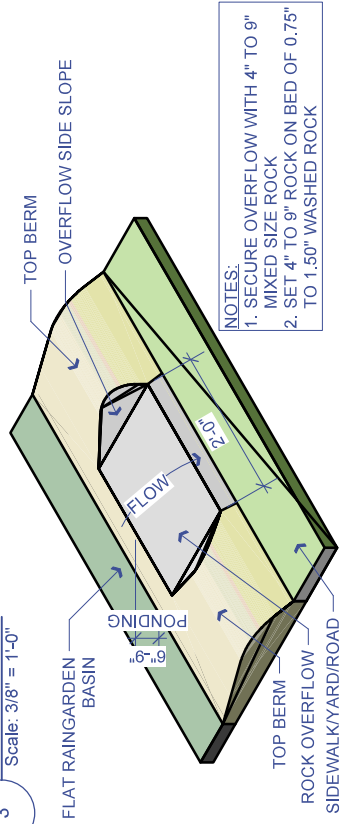
2 DOWNSPOUT/PIPING SECTION

Scale: 3/8" = 1'-0"



3 OVERFLOW

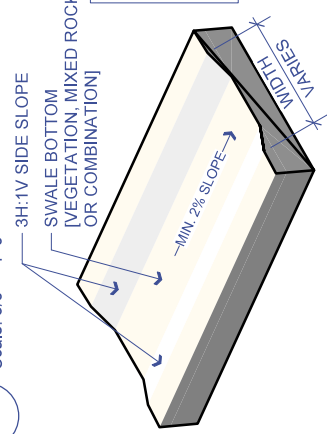
Scale: 3/8" = 1'-0"



- NOTES:**
1. SECURE OVERFLOW WITH 4" TO 9" MIXED SIZE ROCK.
 2. SET 4" TO 9" ROCK ON BED OF 0.75" TO 1.50" WASHED ROCK.

4 SWALE

Scale: 3/8" = 1'-0"



- SWALE NOTES:**
1. VEGETATED SWALE MAY BE SUBSTITUTED FOR A ROCK SWALE.
 2. LINE ROCK SWALE WITH 0.75"-1.50" WASHED ROCK.
 3. USE MIXED SIZE ROCK [2"-6"] OR EQUIVALENT.
 4. PITCH SWALE AT MINIMUM 2% SLOPE.

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WATERSHED DISTRICT:
RICE CREEK WATERSHED DISTRICT

RCWCD
RICE CREEK WATERSHED DISTRICT
DESIGNER: J. LOCHNER
DATE: 6/30/2025
REVISION: 4/17/25
REVISION: 5/20/25
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CHECKED BY: BTO
TAA:

NOTES:
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-UTILITY LOCATIONS ARE APPROXIMATE, CONFIRM LOCATIONS PRIOR TO WORK
-EXCAVATE WITH TRACKED EQUIPMENT ONLY
-SIZE AND SHAPE OF RAINGARDEN MAY VARY
-MAINTAIN SQUARE FEET AND PONDING DEPTH
-VERIFY ANY BID ALTERNATES OR ON-SITE CHANGES WITH SWCD STAFF PRIOR TO INSTALLATION
-ORIGINAL SHEET SIZE: 11"x17"

SCALE: 3/8" = 1'-0"

SITE DETAILS

L400

NATIVE PLANTING MIX (SEED AND PLUGS) [-4.115 SQ-FT]



MNL Upland Dry Prairie Mix
Mixed Height

Ideal for dry (verbe) or sandy sites, mixed height grasses with total height from 2-5'

Grasses:	Scientific Name	Common Name	% of Mix	Seeds/ Sq Ft	PLS lbs/ac	Bloom Season
	Andropogon gerardi	Big Bluestem	5.00	2.20	0.60	
	Bouteloua curtipendula	Side-oats Grama	18.70	8.20	2.24	
	Bromus kalmii	Prairie Brome	2.00	0.71	0.24	
	Elymus canadensis	Canada Wild Rye	5.00	1.15	0.60	
	Elymus trachycaulis	Slender Wheat Grass	7.00	2.13	0.84	
	Koeleria macrantha	Junegrass	0.20	1.54	0.02	
	Panicum virgatum	Switchgrass	0.20	0.12	0.02	
	Schizachyrium scoparium	Little Bluestem	21.00	13.88	2.52	
	Sorghastrum nutans	Indian Grass	7.00	3.70	0.84	
	Sporobolus compressus	Rough Dropseed	1.75	2.31	0.21	
	Sporobolus cryptandrus	Sand Dropseed	0.75	6.61	0.09	
	Sporobolus heterolepis	Prairie Dropseed	0.10	0.07	0.01	
	Carex brevior	Plains Oval Sedge	1.30	1.66	0.16	
Sedges/Rushes:						
Forbs:	Achillea millefolium	Yarrow	0.08	0.62	0.01	Summer
	Agastache foeniculum	Fragrant Giant Hyssop	0.15	0.60	0.02	Summer
	Allium stellatum	Prairie Onion	0.20	0.10	0.02	Summer
	Anemone canadensis	Leadplant	2.25	1.59	0.27	Summer
	Asteris ludoviciana	Prairie Sage	0.07	0.77	0.01	Summer
	Asclepias syriaca	Common Milkweed	1.20	0.21	0.14	Summer
	Asclepias verticillata	Whorled Milkweed	0.20	0.10	0.02	Summer
	Baptisia bracteata	Cream Wild Indigo	0.30	0.02	0.04	Spring
	Chamaecrista fasciculata	Partridge Pea	6.00	0.71	0.72	Spring
	Coreopsis palmata	Prairie Coreopsis	0.25	0.11	0.03	Summer
	Dalea candida	White Prairie Clover	4.25	3.56	0.51	Summer
	Dalea purpurea	Purple Prairie Clover	6.35	4.20	0.76	Summer
	Dymocallis arguta	Prairie Chickweed	0.30	3.04	0.04	Summer
	Echinacea angustifolia	Narrow-leaved Coneflower	0.50	0.15	0.06	Summer
	Helianthus pauciflorus	Stiff Sunflower	0.50	0.09	0.06	Summer
	Lespedeza capitata	Round-headed Bushclover	0.70	0.25	0.08	Summer
	Liatris punctata	Dotted Blazing Star	0.25	0.08	0.03	Summer
	Monarda punctata	Spotted Bee Balm	0.10	0.40	0.01	Summer
	Pentstemon grandiflorus	Large-flower Penstemon	1.00	0.62	0.12	Summer
	Pseudognaphalium obtusifolium	Sweet Everlasting	0.05	2.08	0.01	Summer
	Ratibida columnifera	Long-headed Coneflower	0.80	1.48	0.10	Summer
	Rudbeckia hirta	Black-eyed Susan	1.30	5.27	0.16	Summer
	Solidago missouriensis	Missouri Goldenrod	0.25	2.81	0.03	Fall
	Solidago nemoralis	Gray Goldenrod	0.15	1.98	0.02	Fall
	Solidago pharlicoides	Upland White Goldenrod	0.55	1.55	0.07	Fall
	Solidago rigida	Stiff Goldenrod	0.20	0.36	0.02	Fall
	Symphoricarum laeve	Smooth Blue Aster	0.40	0.97	0.05	Fall
	Symphoricarum oolentangense	Sky-blue Aster	0.50	1.76	0.06	Fall
	Tradescantia bracteata	Long-bracted Spiderwort	0.20	0.09	0.02	Spring
	Verbena stricta	Hoary Vervain	0.60	0.74	0.07	Summer
	Zizia aurea	Heart-leaved Alexanders	0.35	0.19	0.04	Spring
			100.00	80.78	12.00	

Seeds/sq ft: 81.00
Grass Species: 12
Sedges/Rush Sp: 1
Forb Species: 31

Seed mixes are subject to change based on availability

SEEDING/PLANTING NOTES:

1. ALL SEED SHALL BE HAND BROADCAST TWICE OVER FOR PROPER DISTRIBUTION, WITH THE SECOND BROADCAST PERPENDICULAR TO THE FIRST ROUTE OF SEEDING.
2. ALL SEEDED AREAS SHALL BE HAND-RAKED.
3. FOR ALL AREAS WITH BARE SOIL: RAKE SEEDING AREA, BROADCAST SEEDS EVENLY, AND LIGHTLY RAKE AGAIN.
4. FOR ALL AREAS WITH EXISTING LAWN/TURF: AREAS SHOULD BE MOWED TO THE LOWEST POSSIBLE HEIGHT TO BURN EXISTING LAWN. CONTRACTOR SHALL MOW IN WARM/DRY WEATHER. REPEAT IN APPROXIMATELY 14 DAYS. RAKE SEEDING AREA. BROADCAST SEEDS EVENLY, LIGHTLY RAKE AGAIN.
5. ANY AREAS WITH BARE SOIL OR AREAS SUSCEPTIBLE TO EROSION, COVER WITH S75BN EROSION CONTROL BLANKET (OR APPROVED EQUAL) WITHIN 24 HOURS OF SEEDING.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING PERMANENT/TEMPORARY EROSION CONTROL MEASURES WITHIN PRESCRIBED PLANTING AREAS UNTIL SEEDING VEGETATION HAS PROPERLY GERMINATED/BEEEN APPROVED FOR PROJECT CLOSEOUT.
7. CONTRACTOR / LANDOWNER SHALL ESTABLISH CONTRACT LANGUAGE AND PLAN FOR PROPER IRRIGATION OF PLANTED/SEEDED AREAS. PROPER WATERING SHALL OCCUR DURING THE ESTABLISHMENT PERIOD OR UNTIL ALL SEEDED AREAS HAVE FULLY FILLED-IN.
8. SEEDING RATES SHALL BE 4.5 LBS PER 1,000 SF.
9. PROJECT LAYOUT, TOTAL AREA, AND MATERIALS MAY VARY WITH RCSWCD STAFF APPROVAL.
10. ALL FINAL PLANNED SITE PREPARATION AND INSTALLATION PROCEDURES SHALL BE PROVIDED IN WRITTEN FORMAT FOR APPROVAL BY RCSWCD STAFF PRIOR TO WORK START.

PLUG PLANTING NOTES:

1. MIX OF SEEDING AND NATIVE PLUGS RECOMMENDED.
2. PLANT PLUGS AFTER INSTALLATION OF EROSION CONTROL BLANKET.
3. PLUG VARIETIES AND QUANTITIES MAY VARY.
4. UPLAND PLUG SPACING: 2.50' ON CENTER

NOTES:

1. SEED/PLANT LISTS/MIXES MAY VARY- CONFIRM FINAL SELECTIONS WITH LANDOWNER AND GRWD/RCSWCD
2. INSTALL PLUGS 18"-24" ON CENTER.

EDIBLE LANDSCAPE RECOMMENDATIONS:

Shrubs:

Sand (Roundleaf) Serviceberry - *Amelanchier sanguinea*

Comments: Sounds perfect for the site!

Native Black Chokeberry - *Aronia melanocarpa*

American Hazelnut - *Corylus americana*

New Jersey Tea - *Ceanothus americanus*

Comments: Would need to plant in sunnier spots, leaves can be used for tea)

Western Sandcherry - *Prunus besseyi*

Comments: Sounds perfect for the site!

Common Lowbush Blueberry - *Vaccinium angustifolium*

Common Chokeberry - *Prunus virginiana*

Forbs:

Riverbank Grape - *Vitis riparia* (for hill)

Wild Strawberry - *Fragaria virginiana* (great for groundcover, prefers sunnier spots)

Bee Balm/Wild Bergamot - *Monarda fistulosa* (fragrant leaves, can be used for tea)

NATIVE TREE RECOMMENDATIONS:

Redbud (MN Strain) - *Cercis canadensis*

Blue Beech (Musclewood) - *Carpinus caroliniana*

Northern Pin Oak - *Quercus ellipsoidalis*

Allegheny Serviceberry - *Amelanchier laevis*

Comments: Large shrub or small, multi-stemmed tree. Rhizomatous. Found on moist hillsides and in cool, rich, deciduous woods. High wildlife value.

Pin Cherry (Fire Cherry) - *Prunus pensylvanica*

Comments: Fragrant flowers. Ovoid to columnar form. Exfoliating, golden-tan to reddish-brown bark. Found along forest edge, open woods, and pastures. High wildlife value.

American Plum - *Prunus americana*

Comments: Drought tolerant. Globular form with horizontal branching habit. Thicket-forming. Found at forest edges, open oak woods, and rocky hillsides. Profuse flowers with strong sweet-spice fragrance.



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

PROJECT: FERRIS

LOCATION:

5209 HODGSON ROAD

SHOREVIEW, MN 55126

WATERSHED DISTRICT:

RICC CREEK WATERSHED DISTRICT



DESIGNER: J. LOCHNER

DATE: 6/30/2025

REVISION: 4/17/25

REVISION: 5/20/25

REVISION: 6/30/25

REVISION:

CHECKED BY: BTO

TAA:

NOTES:

-ELEVATIONS ARE APPROXIMATE

-UTILITY LOCATIONS ARE APPROXIMATE

-CONFIRM LOCATIONS PRIOR TO WORK

-EXCAVATE WITH TRACKED EQUIPMENT ONLY

-SIZE AND SHAPE OF RAINGARDEN

MAY VARY

-MAINTAIN SQUARE FEET AND PONDING

DEPTH

-VERIFY ANY BID ALTERNATES OR ONSITE

CHANGES WITH SWCD STAFF PRIOR TO

INSTALLATION

-ORIGINAL SHEET SIZE: 11"x17"

SCALE: N/A

SEED & PLANT LIST

L500

<div><div><div><div><div></div><div>RCWD</div><div>RICE CREEK WATERSHED DISTRICT</div></div><div><div>Ramsey County Soil and Water Division</div><div>MATERIAL & COST ESTIMATE</div><div>[ESTIMATE ONLY- NOT A BID SHEET- FOR REFERENCE ONLY]</div></div></div><div><div><div></div><div>RAMSEY COUNTY</div><div>Parks & Recreation</div></div></div></div></div>			
Ferris		Date: 30-Jun-25	
5209 Hodgson Road			
Shoreview, MN 55126			
Raingarden 'A'			
Item	Qty	Unit	Unit Cost
Aggregate: Rock (Mixed size, 1.5" - 6") (swale, inlet, overflow)	0.50	tons	\$ 300.00
9" by 9" Catch Basin	2.00	each	\$ 150.00
4" Solid Storm Water Piping	50.00	In-ft	\$ 15.00
4" Leaf Guard	1.00	each	\$ 10.00
Edging (steel/rock/paver/natural/etc.)	50.00	In-ft	\$ 15.00
Excavation, Grading & Soil/Sod Haul-Away	8.00	cu-yd	\$ 200.00
Mobilization	0.50	job	\$ 2,000.00
Native Perennial: 4"	57.00	each	\$ 9.00
Native Perennial: Plug	58.00	each	\$ 5.00
Site Restoration (seeding, clean, up, grading, etc)	0.50	job	\$ 500.00
Twice-Shredded Hardwood Mulch (3" depth)	3.00	cu-yd	\$ 150.00
Raingarden 'A':			\$ 6,063
Native Planting 'B'			
Item	Qty	Unit	Unit Cost
Mobilization	0.50	job	\$ 1,000.00
Native Perennial: Seed	2,500.00	sq-ft	\$ 0.50
Native Perennial: Plug	200.00	each	\$ 6.00
Native Perennial: 2 Gallon Shrub	15.00	each	\$ 30.00
Site Restoration (seeding, clean, up, grading, etc)	0.50	job	\$ 500.00
Twice-Shredded Hardwood Mulch (3" depth)	1.00	cu-yd	\$ 150.00
Native Planting 'B':			\$ 3,800
Raingarden 'A': \$ 6,063			
Native Planting 'B': \$ 3,800			
Project Total: \$ 9,863			
RCWD Grant Estimate: \$ 4,932			
Landowner Estimate: \$ 4,932			

MEMORANDUM

Rice Creek Watershed District



Date: July 7th, 2025
To: RCWD Board of Managers
From: Molly Nelson, Outreach and Grants Technician
Subject: Water Quality Grant Application, R25-08 LaNasa Raingarden

Introduction

R25-08 LaNasa Raingarden

- Applicant: LaNasa
- Location: 3153 Shoreline Lane, Arden Hills
- Total Eligible Project Cost: \$9,900.00
- RCWD Grant Recommendation: \$4,950.00 (50%)

Background

The R25-08 LaNasa Raingarden Water Quality Grant application proposes a raingarden installation on a residential property located in Arden Hills on Lake Josephine. The purpose of installing a raingarden at this location is to treat the stormwater runoff from the property through the infiltration/filtration processes of native plants before the water flows directly to Lake Josephine. The raingarden will be connected to the neighboring property via a bioswale project which is proposed in application R25-09.

The Ramsey County Parks and Recreation Soil and Water Conservation Division (RSWCD) drafted the designs for the project and provided recommendations for a cost-share grant award which has been reviewed and approved by RCWD staff for CAC review. The project as proposed is designed to install a 400 sqft raingarden to capture the runoff from the property and overflow to the bioswale proposed at the adjacent property for grant application R25-09. The total treated catchment area for the project combined with R25-09 is 9,405 square feet and is 35% impervious. The estimated pollutant reductions for the proposed project are: 4,642 cu-ft/yr reduction in volume (68%), 64.90 lbs/yr reduction in total suspended solids (TSS) (68%), and a 0.25 lb/year reduction in total phosphorus (TP) (68%). The project location scored a value of 19 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained 2 bids for the project:

- Arvold Landscaping & Design Inc.: \$11,710 (eligible expenses highlighted on bid documents)
- Nelo Landscape: \$9,900.00 (eligible expenses highlighted on bid documents)

The CAC was supportive of the project and recommended it as presented. Motion carried 5-0.

Staff Recommendation

Based on the submitted application and program guidelines, RCWD staff support the project award of \$4,950.00 not to exceed 50% of eligible project expenses of \$9,900.00.

Staff Recommendation

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for R25-08 LaNasa Raingarden.

Request for Proposed Motion

Manager _____ moves to authorize the RCWD Board President, on advice of counsel, to approve the Water Quality Grant Contract for R25-08 of \$4,950.00 not to exceed 50% of eligible project costs or up to \$10,000.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

R25-08 LaNasa Raingarden application documents.

Ramsey County Soil & Water Conservation Division



To: RCWD Advisory Committee

From: Brian Olsen: Environmental Resource Specialist

Date: 7/22/2025

Re: LaNasa Cost Share Application

Project: R25-08

3153 Shoreline Ln
Arden Hills, MN 55112
Raingarden

LaNasa: 3153 Shoreline Ln - Raingarden

Material & Labor Estimate: \$9,900.00

Cost Share Request: \$4,950.00

Background:

The proposed project is located at a residential property in Arden Hills right on Lake Josephine. The property is on a sloped area between the road and the lake shoreline. Currently, there is a lot of impervious surfaces that run off and flow past the house and across the lawn down into the lake without treatment.

The proposed project is to install a raingarden on to collect water from the roof, driveway, and other landscape areas before it flows past the house and down into the lake. The project area will also be planted with native species to provide pollinator resources throughout the growing season. The project will capture a large amount of stormwater to remove pollutants and infiltrate the water into the ground before it enters Lake Josephine.

Total catchment area treated by the proposed project is 9,405 square feet (0.216 acres). It is 35% impervious and includes road, sidewalk, driveways, roofs, and landscape/turf grass.

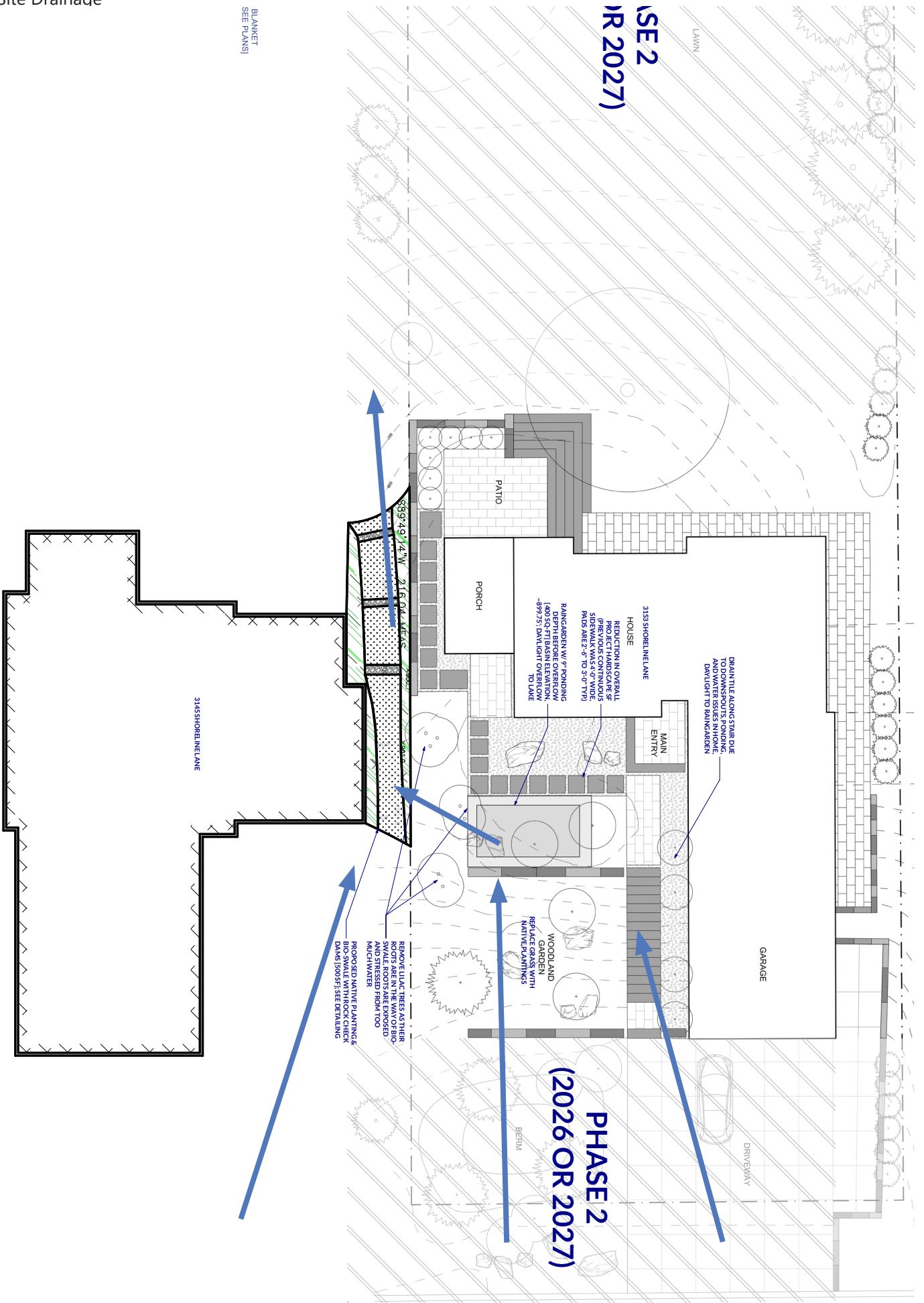
Recommendation:

It is my recommendation that the 3153 Shoreline Ln raingarden project be awarded cost share in the amount of \$4,950.00 or 50% of the eligible project costs, whichever is less.

Pollution Reductions: RAINGARDEN - 3153 Shoreline Ln

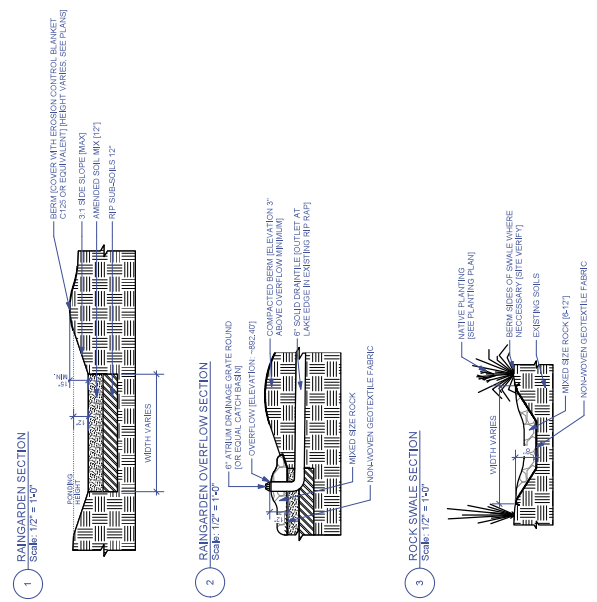
	<i>Before</i>	<i>After</i>	<i>Reduction</i>	<i>Red. %</i>
Volume (cu-ft/yr)	6,798	2,156	4,642	68%
TSS (lbs/yr)	95.60	30.70	64.90	68%
TP (lbs/yr)	0.364	0.118	0.247	68%

**PHASE 2
(2026 OR 2027)**



R25-08 Pre-existing Conditions





ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

LaNasa Residence
3153 Shoreline Ln
Arden Hills, MN 55112
BMP Type: Raingarden
Number of BMPs: 1 of 1

County: Ramsey
Date: 7/21/2025

INSTALLED MATERIALS & LABOR - Raingarden

Item	Qty	Unit	Unit Cost	Amount
Sod Removal; Raingarden Excavation/Grading & Soil Loosening	20.00	CY	\$ 90.00	\$ 1,800.00
Soil Amendment (80% Washed No.2 Sand; 20% MnDOT Grade II Compost)	9.00	CY	\$ 110.00	\$ 990.00
Catch Basin	1.00	EA	\$ 250.00	\$ 250.00
Draintile	150.00	LF	\$ 18.00	\$ 2,700.00
Twice-Shredded Hardwood Mulch (MnDot Type II)	4.00	CY	\$ 110.00	\$ 440.00
Native Perennial: #1 Cont; or equivalent	30.00	EA	\$ 20.00	\$ 600.00
General/Soil Disposal (use excavated soils onsite as possible before soil haul-away)	20.00	CY	\$ 65.00	\$ 1,300.00
Deliveries	1.00	LS	\$ 150.00	\$ 150.00
Mobilization	1.00	LS	\$ 1,500.00	\$ 1,500.00
			Subtotal	\$ 9,730.00

ADDITIONAL BID ITEMS AS NECESSARY

Subtotal \$ -

PROJECT TOTAL

Project Estimate	\$	9,730.00
:-10%	\$	8,757.00
:+10%	\$	10,703.00
	\$	-
Estimated WD/WMO Grant Award:	\$	4,865.00
Estimated RCPR Grant Award:	\$	-
Potential Grant Award Total:	\$	4,865.00
Estimated Landowner Cost:	\$	4,865.00

Soil & Water Conservation Division
2015 Van Dyke Street
Maplewood, MN 55109
www.ramseycounty.us

Arvold Landscaping & Design inc

622 Prior Ave N

St. Paul, MN 55104

**BILL TO**

Nick LaNasa

LaNasa

3153 Shoreline Ln.

Arden Hills, MN 55112

United States

INVOICE 1508**DATE** 07/21/2025**DUE DATE** 08/01/2025**JOB NAME**

3153 swale and hillside

DESCRIPTION	QTY	RATE	AMOUNT
Swale:			
Demo - remove and dispose of concrete and compacted base	1	2,800.00	2,800.00
Swale Creation - remove existing soil - shape subsoil to swale			1,800.00
Rain Garden Soil (cuyd)	4	160.00	640.00
Drain Tile - install drain box, pop up and 150' of drain tile			3,700.00
Planting - Assorted natives	85	22.00	1,870.00
Trap Rip- Rap - 6-12" - install in swale	5	180.00	900.00
Hillside Planting:			
Demo - remove existing sod and planting			1,600.00
Planting - assorted natives	460	22.00	10,120.00
Planting - trees	6	550.00	3,300.00
Shredded Hardwood Mulch	10	160.00	1,600.00

SUBTOTAL 28,330.00

TAX 0.00

TOTAL 28,330.00

TOTAL DUE

\$28,330.00

RAINGARDEN at 3153 Shoreline Dr



From:
 Northeast Landscape Office
 1322 2nd St Ne
 Minneapolis, MN 55413
 e: info@nelandscapeoffice.com
 p: 612.208.3395

To:
 LaNasa Residence
 3153 Shoreline Ln.
 Arden Hills, MN, 55112
 e:
 p:

LANDSCAPE ESTIMATE - 07/21/2025

Bioswale + Native Plantings	QTY		COST PER UNIT (LABOR+MATERIALS)	COST	NOTES
<u>Bioswale</u>					
Remove existing concrete and compacted base material from work area	1	EA	\$2,500.00	\$2,500.00	
Remove existing soils for bioswale and subsoil preparation	8	CY	\$200.00	\$1,600.00	
Install 12" rain garden soil mix	4	CY	\$150.00	\$600.00	
Install atrium at inflow and pop up emitter at outflow	2	EA	\$250.00	\$500.00	
Install 6" drain tile from inflow to outflow	150	LF	\$20.00	\$3,000.00	
Install native plantings 18" on center throughout bioswale	85	EA	\$20.00	\$1,700.00	
Install 6-12" rip rap throughout bioswale	5	CY	\$150.00	\$750.00	
<u>Hillside Planting</u>					
Remove existing sod and unwanted organic material for slope planting preparation	1	EA	\$1,500.00	\$1,500.00	
Installation of native perennials 18" on center throughout slope (1,200 SF)	460	EA	\$20.00	\$9,200.00	
Installation of native trees on slope	6	EA	\$500.00	\$3,000.00	
Installation of shredded hardwood mulch on slope (1,200 SF)	10	CY	\$150.00	\$1,500.00	
Bioswale + Native Plantings Total Cost				\$23,350.00	

COST-SHARE ELIGIBLE: \$9,900.00



Water Quality Grant Program Project Screening Form

Project / Landowner Name: Nick LaNasa	Affected Waterbody: Lake Josephine
Project Address: 3153 Shoreline Ln	City: Arden Hills
County: <input type="checkbox"/> ANOKA <input checked="" type="checkbox"/> RAMSEY <input type="checkbox"/> HENNEPIN <input type="checkbox"/> WASHINGTON	Project Type(s): Raingarden
Application Date: 7/22/2025	Project Effective Life: 10 years
Violation or Permit Requirement: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Reviewer: Brian Olsen

Projects are screened for potential grant eligibility based on the following criteria. (0 = Low, 5 = High)

1. Connectivity to Waterbody

a. Is the project tributary to a 303(d) impaired water (not mercury) or a RCWD Protection or Restoration waterbody?

(NO)		(YES, within Subwatershed)		(YES, Direct Connection)
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 5

b. Is the project tributary to a 303(d) impaired waterbody with a completed TMDL?

NO	YES
<input checked="" type="checkbox"/> 0	<input type="checkbox"/> 1

c. If the answer to 1(a) is NO, is the project tributary to a lake, stream, ditch, or DNR Protected Water Wetland (PWW)?

(NO)		(YES, within Subwatershed)		(YES, Direct Connection)
<input checked="" type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4

2. Contributing Watershed Characteristics: Surface type draining to the project.

0% Impervious		50% Impervious		100% Impervious
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input checked="" type="checkbox"/> 3	<input type="checkbox"/> 4

3. Volume Reduction: Implements controls to reduce and/or minimize the rate and volume of water that drains off the property.

No Infiltration/Filtration		Filtration		Infiltration
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4

4. Erosion and Sediment Control: Implements controls that minimize erosion and/or sedimentation and pollutants to downstream waters.

No Erosion		Visible Erosion
No Sediment Capture		Sediment Capture
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 5

5. Wildlife Habitat Improvement: Creates/improves wildlife and/or pollinator habitat through native plantings or other restoration efforts.

Not Connected to Wildlife Corridor		Connected to Wildlife Corridor
<input type="checkbox"/> 0	<input type="checkbox"/> 1	<input checked="" type="checkbox"/> 3

6. Public Outreach: Willingness of applicant to allow signage, tours, and site visits. Publicly visible site.

Low Public Visibility		Moderate Public Visibility		High Public Visibility
<input type="checkbox"/> 0	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input type="checkbox"/> 4

7. Minnesota Water Steward: Is the project part of a Minnesota Water Steward capstone project?

NO	YES
<input checked="" type="checkbox"/> 0	<input type="checkbox"/> 1

8. SRA/SWA: Was the project or project area identified in a completed Stormwater Retrofit Analysis (SRA), Subwatershed Assessment (SWA), or other targeted study?

NO	YES
<input checked="" type="checkbox"/> 0	<input type="checkbox"/> 1

Total Score: 19
Minimum Eligibility = 15

PUBLIC HEARING: ANOKA COUNTY DITCH 53-62 BRANCHES 5 & 6



St. Paul Pioneer Press newspaper notice published: July 23rd, July 30 and August 6th.

Life newspaper notice published July 25, 2025

RCWD Postcard notice to the owners of property within the sub watershed of ACD 53-62
mailed August 3, 2025

RCWD notice to Cities of Blaine, Circle Pines, Lexington & Lino Lakes; Anoka County, Anoka Hwy
Dept, Anoka Conservation District, MnDOT, BWSR, DNR, mailed July 22, 2025

RCWD website July 14, 2025

RCWD office July 17, 2025

RCWD website listserv notice July 21, 2025

Notice of Public Hearing regarding Anoka County Ditch 53-62, Branches 5 and 6 Repair Report & Water Management District (WMD)

Please take notice that the Rice Creek Watershed District (RCWD), Drainage Authority for Anoka County Ditch 53-62 (ACD53-62), will hold a public hearing regarding the repair of Branches 5 and 6 of ACD53-62 and the establishment of WMD charges to pay a portion of the cost of repairs on Branches 5 and 6 of ACD53-62. The public hearing will be held on Wednesday, August 13, 2025, at 9:00 a.m. in the City of Mounds View Council Chambers at 2401 County Road 10, Mounds View, MN. Remote monitoring will also be possible using Zoom. Contact ehurley@ricecreek.org for instructions. The repair report and proposed charges can be viewed at www.ricecreek.org public drainage system page or the RCWD office, located at 4325 Pheasant Ridge Dr. NE, Suite 611 in Blaine. Comments can be directed to Tom Schmidt at tschmidt@ricecreek.org, 763-398-3076, or by mail at the above address

Join Zoom Webinar:

<https://us06web.zoom.us/j/82600505863?pwd=J0a4mfaUHM6RPtHOWQjaQp5UkqaK2.1>

Passcode: 226654

+1 312 626 6799 US (Chicago)

Webinar ID: 826 0050 5863

Passcode: 226654

4325 Pheasant Ridge Drive NE #611 | Blaine, MN 55449 | T: 763-398-3070 | F: 763-398-3088 | www.ricecreek.org

**BOARD OF
MANAGERS**

Jess Robertson
Anoka County

Steven P. Wagamon
Anoka County

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Marcie Weinandt
Ramsey County

John J. Waller
Washington County

Technical Memorandum

To: Nick Tomczik, Administrator
Rice Creek Watershed District

Cc: Tom Schmidt
John Kolb

From: Chris Otterness, PE

Subject: ACD 53-62 Branches 5+6 Repair Report

Date: March 5, 2025

Project #: R005555-0347

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



Chris Otterness
Reg. No. 41961

March 5, 2025

INTRODUCTION AND EXECUTIVE SUMMARY

The purpose of this memorandum is to provide the Rice Creek Watershed District (District) with an analysis and description of proposed repair alternatives to portions of Anoka County Ditch (ACD) 53-62 Branches 5 and 6, including a preliminary opinion of probable cost for the recommended repairs.

The primary issue identified for ACD 53-62 Br 5+6 is sediment and vegetation build-up in the channel causing a reduction in conveyance capacity along several of the laterals and branches. A few culverts are situated at a higher invert elevation than the As Constructed and Subsequently Improved Condition (ACSIC), which can be a contributing factor to the sediment accumulation. Several laterals or Branches traverse through MnDNR regulated public water wetlands and require additional coordination for repair alternatives. Recommended repairs are primarily comprised of sediment cleanout in the ditches, and adjacent vegetation management.

BACKGROUND

LOCATION OF THE PUBLIC DRAINAGE SYSTEM

The ACD 53-62 Br 5+6 public drainage system is located within Sections 15, 22, 23, 26 & 27 T31N, R23W, within the City of Blaine, Anoka County as displayed with **Figure 1**. ACD 53-62 Branch 5 consists of a primary branch and two laterals. Branch 5 Lateral One is currently not connected to Branch 5 due to a lack of a culvert under 109th Avenue and drains north and east towards a private lateral ditch. Branch 5 Lateral 2 drains north towards Branch 5, which then drains to ACD 53-62 Main Trunk. Branch 6 consists of a primary branch and one lateral, which drain north to ACD 53-62 Main Trunk. The drainage area of Branches 5 and 6 that contributes runoff to the public drainage system is approximately 1,050 acres and is primarily composed of urban land uses including residential (single

family), commercial and industrial. A large portion of the contributing drainage area is forested and has many marsh areas. Branches 5 and 6 drain north and east towards the ACD 53-62 Main Trunk. The outlet of ACD 53-62 is Golden Lake, which drains to Rice Creek.

CURRENT CONDITION OF THE SYSTEM

Houston Engineering, Inc. (HEI) completed a ground survey of ACD 53-62 Branch 5+6 in 2011 as part of the determination of the as constructed and subsequently improved condition (ACSIC) and to reestablish the public drainage system record. Another ground survey in 2023 along Branches 5 and 6 confirmed channel cross section configuration and verified sediment accumulation in portions of the channel. The existing ditch bottom profile is depicted in the Plan and Profile drawings (**Appendix A**) and is based on the 2023 survey. Drone survey completed in 2024 provided ditch inspection and visually confirmed locations of obstructions in the ditches. Branch 5 downstream from Lateral 2, Branch 6 downstream from Lateral 1, and Branch 6 Lateral 1 have been recently cleaned by the District through their normal maintenance program, do not exhibit significant sediment deposition or vegetative blockages, and therefore do not require repairs at this time.

WETLANDS ALONG THE PUBLIC DRAINAGE SYSTEM

The Wetland Conservation Act (WCA) uses the three criteria identified in the United States Army Corps of Engineers (USACE) Wetlands Delineation Manual issued in 1987, and the Regional Supplement to the USACE Delineation Manual, (North central and Northeast Region), to determine wetland locations. The three criteria are: 1) the presence of hydrophytic vegetation; 2) the presence of hydric soils; and 3) hydrology. Of those criteria, hydrology is the primary factor that has potential to be affected by ditch repair and/or improvements. A field wetland delineation was completed in the fall of 2024 to identify and characterize wetlands adjacent to ACD 53-62 Branches 5 and 6 that could potentially be impacted by repairs. The LGU approved the wetland boundary decision on December 16th, 2024.

PUBLIC WATERS ALONG THE PUBLIC DRAINAGE SYSTEM

Wetlands that meet the definition of “public waters” under MN Statute 103G are administered by the DNR under MS 103G rather than under WCA. DNR has identified three public water wetlands along the ACD 53-62 Branch 5 and 6 drainage system. Public water wetland (PWW) #02-582 is along Branch 5 Lateral 1. PWW #02-589 and PWW #02-706 are both located along Branch 5 Lateral 2.

THREATENED AND ENDANGERED SPECIES

The Minnesota Natural Heritage Information System identifies four species classified as “threatened” that are in the vicinity of the project: *Emydoidea blandingii* (Blanding’s Turtles), *Phalaropus tricolor* (Wilson’s phalarope), and *Myotis septentrionalis* (longeared bat) and *Bombus affinis* (rusty patched bumble bee). In correspondence regarding the project, the DNR has indicated “To demonstrate avoidance, a qualified surveyor will need to determine if suitable habitat exists with the activity impact area and, if so, conduct a survey prior to any project activities.”

Therefore, a rare plant field survey was conducted by Critical Connections Ecological Services at critical times throughout the months of June through October. Rare plant species were identified along the ditch construction corridor from the field survey and are shown in **Appendix D**. One state listed endangered species was detected: *Rubus stipulates* (Bristle-berry); two state-listed threatened species were detected : *Planthathera flava* var. *herbiola* (Tubercled Rein-orchid) and *Rubus semisetosus* (Swamp Blackberry), and one special concern species was detected: *Rubus multiflorus* (Kinnickinnic Dewberry), The detections were isolated to two locations: Branch 5 Lateral 2 STA 64+70 to 65+30 and Branch 6 STA 41+00 to 43+00.

REPAIR ALTERNATIVES

The purpose of the proposed repair is to restore the drainage system function to a level of service consistent as nearly as practicable as possible to the as-constructed and subsequently improved condition (ACSIC) of Branches 5 and 6 and to provide a functional value to the landowner's drainage to this portion of the ACD 53-62 system. The functional value of the system has changed from the time at which it was constructed as land use has changed from agricultural to urban. In its historical agricultural setting, the drainage system's primary purpose was to provide an efficient outlet for low magnitude, high frequency rainfall events that could damage crops and to reduce hydrology in wetland fringes enough to enable haying and pasturing during drier periods. These functional values are no longer necessary under current land use. Rather the system's primary value is to provide an efficient and predictable outlet for high magnitude, low frequency rainfall events to protect public (roadway) and private (building) infrastructure. Along with the 2-year rainfall event, key evaluators for performance of the system include the 10-year and 100-year rainfall events.

Due to the presence of several Public Waters and wetlands subject to the Wetland Conservation Act (WCA) along the system, along with the presences of threatened and endangered species, there is the potential for wetland impact that is costly or infeasible to mitigate. For this reason, multiple alternatives have been conceptualized to evaluating varying levels of service against project cost and environmental impact. The following is a description of these alternatives.

Alternative 1: Existing Conditions (Do Nothing)

This alternative represents current degraded conditions in the public drainage system as surveyed in September 2023 and is intended to provide a point of reference for the restoration of function that can be provided by other alternatives compared to current conditions. As the system will continue to degrade if left unmaintained, this condition is temporary and does not provide predictable function. For these reasons, this alternative is infeasible and does not warrant further evaluation.