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# RCWD BOARD OF MANAGERS REGULAR MEETING AGENDA

Wednesday, May 8, 2024, 9:00 a.m.

Shoreview City Hall Council Chambers  
4600 North Victoria Street, Shoreview, Minnesota

or via Zoom Meeting:

<https://us06web.zoom.us/j/84645678076?pwd=ikyoVrt82f98lkf2kQvBCncbCLFkX9.1>

Meeting ID: 846 4567 8076

Passcode: 679483

+1 312 626 6799 US (Chicago)

Meeting ID: 846 4567 8076

Passcode: 679483

## Agenda

**CALL TO ORDER**

**ROLL CALL**

**SETTING OF THE AGENDA**

**APPROVAL OF MINUTES: APRIL 24, 2024, REGULAR MEETING**

**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
24-016	Great Grace Assembly of God Church	Blaine	Final Site Drainage Plan Land Development Public/Private Drainage System Wetland Alteration Floodplain Alteration	CAPROC 12 items
24-019	Headwaters Land Group, LLC	Forest Lake	Final Site Drainage Land Development Floodplain Alteration	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 April 29, 2024.*

**WATER QUALITY GRANT PROGRAM COST SHARE APPLICATION (MOLLY NELSON)**

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reduction	Funding Recommendation
R24-05	Ann Frisch	White Bear Lake	Rain garden	\$5,943	Volume: 86% TSS: 86% TP: 86%	50% cost share of \$2,971.50 not to exceed 50%; or \$7,500 whichever cost is lower
R24-06	Brent Mason	White Bear Lake	Rain garden	\$6,807	Volume: 13% TSS: 13% TP: 13%	75% cost share of \$5,105.25 not to exceed 75%; or \$7,500 whichever cost is lower
R24-07 re-application	Mike Timm	White Bear Township	Shoreline Stabilization & Restoration	\$17,915.50	Volume: 69% TSS: 100% TP: 100%	50% cost share of \$7,500 not to exceed 50%; or \$7,500 whichever cost is lower

**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.*

**ITEMS REQUIRING BOARD ACTION**

1. Career Enhancement Options, Inc. Services Agreement Amendment (Nick Tomczik)
2. Check Register Dated May 8, 2024, in the Amount of \$145,469.19 Prepared by Redpath and Company

**ITEMS FOR DISCUSSION AND INFORMATION**

1. Anoka County Ditch 10-22-32 Wetland Replacement Plan at Pine Street (Tom Schmidt)
2. District Engineer Update and Timeline
3. Administrator Updates
4. Manager’s Update

**APPROVAL OF MINUTES: APRIL 24, 2024, REGULAR  
MEETING**

# DRAFT

1  
2 For Consideration of Approval at the May 8, 2024 Board Meeting.  
3 Use these minutes only for reference until that time.  
4

## REGULAR MEETING OF THE RCWD BOARD OF MANAGERS

Wednesday, April 24, 2024

Shoreview City Hall Council Chambers  
4600 North Victoria Street, Shoreview, Minnesota  
and

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

## Minutes

### CALL TO ORDER

Vice-Pres. John Waller called the meeting to order, a quorum being present, at 9:00 a.m.

### ROLL CALL

Present: 1<sup>st</sup> Vice-Pres. John Waller, 2<sup>nd</sup> Vice-Pres. Steve Wagamon, Secretary Jess Robertson, and  
Treasurer Marcie Weinandt

Absent: President Michael Bradley (with prior notice)

Staff Present: District Administrator Nick Tomczik, Regulatory Manager Patrick Hughes, Communications  
& Outreach Manager Kendra Sommerfeld, Lake & Stream Manager Matt Kocian, and Office  
Manager Theresa Stasica

Consultants: District Engineer Chris Otterness from Houston Engineering, Inc. (HEI); District Attorney  
Louis Smith from Smith Partners

Visitors: None

### SETTING OF THE AGENDA

*Motion by Manager Wagamon, seconded by Manager Weinandt, to approve the agenda as presented.  
Motion carried 4-0.*

### READING OF THE MINUTES AND THEIR APPROVAL

*Minutes of the April 8, 2024, Workshop and April 10, 2024, Board of Managers Regular Meeting. Motion  
by Manager Robertson, seconded by Manager Weinandt, to approve the minutes as presented. Motion  
carried 4-0.*

34 **CONSENT AGENDA**

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

37 **Table of Contents-Permit Applications Requiring Board Action**

38 No.	38 Applicant	38 Location	38 Plan Type	38 Recommendation
39 24-015	39 Fiji Cube, LLC	39 Lino Lakes	39 Final Site Drainage Plan	39 CAPROC 7 items
40 24-017	40 City of Forest Lake	40 Forest Lake	40 Final Site Drainage	40 CAPROC 4 items

41 *Motion by Manager Wagamon and seconded by Manager Weinandt, to approve the consent agenda as*  
42 *outlined in the above Table of Contents in accordance with RCWD District Engineer’s Findings and*  
43 *Recommendations, dated April 16, 2024. Motion carried 4-0.*

46 **PERMIT APPLICATION REQUIRING BOARD ACTION**

47 No.	47 Applicant	47 Location	47 Plan Type	47 Recommendation
48 24-009	48 City of Lino Lakes	48 Lino Lakes	48 Final Site Drainage Plan 49 Floodplain Alteration	48 VARIANCE REQUEST 49 CAPROC 10 items

50  
51 Regulatory Manager Hughes gave a brief overview of the variance request.

52  
53 District Engineer Otterness offered to give a brief explanation of the rationale for this action. He explained  
54 that this was a unique case, that is after the fact, because the lot split has already gone through. He stated  
55 that right now, the way the rules are written, a one acre or greater lot split triggers all the requirements  
56 under Rule C, which would also engage the requirements to provide easements under the CWPMP. He  
57 noted that the landowner that sold the property to the City of Lino Lakes did not want to provide easements  
58 on his property. He explained that the risk to the District was low because if the property develops in the  
59 future they will have to provide those easements on the property at that time.

60  
61 Manager Weinandt asked if this would have been something that the District would have seen before the  
62 property purchase and split, or if it was just a matter of timing.

63  
64 District Engineer Otterness stated that the City was required to get a Rule C permit before doing a  
65 subdivision, which they were not aware of. This is why the subdivision occurred prior to them obtaining the  
66 permit.

67  
68 Manager Weinandt asked how the City was notified that they needed to come in for a variance.

69  
70 District Engineer Otterness explained that they had to come in for a permit for the site plan component of  
71 the project, which is when District staff learned of the land subdivision that had already occurred.

72

73 Regulatory Manager Hughes clarified that the City of Lino Lakes was not ‘required’ to submit a variance  
74 request, but were requesting it because it would likely be a challenge for them to go back to the private  
75 land owner at this point and encumber more of the property with the easement.

76  
77 ***Motion by Manager Wagamon and seconded by Manager Waller, to Approve the Variance request for***  
78 ***variance application 24-009 as outlined in accordance with RCWD District Engineer’s Variance Technical***  
79 ***memorandum, dated April 17, 2024. Motion carried 4-0.***

80  
81 ***Motion by Manager Wagamon and seconded by Manager Robertson, to CAPROC permit 24-009 as***  
82 ***outlined in the RCWD District Engineer’s Findings and Recommendations, dated April 17, 2024. Motion***  
83 ***carried 4-0.***

84 **OPEN MIC/PUBLIC COMMENT**

85 None

86 **ITEMS REQUIRING BOARD ACTION**

87 **1. RCWD Annual Report Approval**

88 Communications & Outreach Manager Sommerfeld presented a draft of the 2023 RCWD Annual  
89 Report. She stated that if the Board did not have any changes or suggestions, the report was ready  
90 to go.

91  
92 Manager Weinandt stated that she felt Communications & Outreach Manager Sommerfeld did a  
93 very nice job with the report and noted that it was always nice to see all the work that has been  
94 done in the District. She asked if there would be a figures list in the document for when the figures  
95 are identified, for example, Figure 1.

96  
97 Communications & Outreach Manager Sommerfeld stated that she could create a reference at the  
98 end of the document.

99  
100 Manager Weinandt stated that she would like to see that because some of these places are being  
101 referred too differently than she was used to. She suggested that perhaps they could also find a  
102 way to identify it on the map, so people could identify where these things are actually located. She  
103 asked if there was anything in the report about the District’s bonding request or any of the flooding  
104 in the New Brighton area.

105  
106 Communications & Outreach Manager Sommerfeld stated that she did not have much of that  
107 included in the Annual Report because the District had done a lot of that work in 2024 so it would  
108 be included in next year’s report.

109  
110 ***Motion by Manager Weinandt, seconded by Manager Robertson, to approve the 2023 Annual***  
111 ***Report with any necessary formatting and non-substantive changes and authorize submission to***

112 ***the Board of Water and Soil Resources and other required recipients by the deadline. Motion***  
113 ***carried 4-0.***

114  
115

116 **2. Curlyleaf Pondweed Management Agreements**

117 Lake & Stream Manager Kocian stated that the District has been working on this program for over  
118 10 years, but has been managing curlyleaf pondweed and invasive species for more than 20 years.  
119 He explained that the District manages curlyleaf pondweed because it is an invasive species that has  
120 an impact on water quality. He noted that curlyleaf pondweed has an odd growing cycle because it  
121 begins growing in the fall and survives under the ice of the winter months which means it has a  
122 competitive advantage over native plant species in the spring, then, dies over the summer and its  
123 decomposition is what leads to the impacts on water quality. He explained that for the last 10 years  
124 the District has been running this program with a 50/50 cost share with lake associations or home  
125 owners groups. He stated that this year he was seeking approval of expenditures up to \$20,000, but  
126 noted that after reimbursement, the Districts actual costs should be somewhere in the \$8,000 to  
127 \$10,000 range. He noted that several of lake associations are working with DNR grants in 2024, and  
128 therefore not partnering with the District. Also, curlyleaf pondweed is down in some lakes in 2024.  
129 For those reasons, District costs are down in 2024, well below the budget of \$50,000.

130  
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Manager Wagamon referenced page 103 of the packet and asked what a ‘monotypic area’ would be.

133  
134  
135

Lake & Stream Manager Kocian explained that monotypic area implied that there was a single species – in this case, curlyleaf pondweed.

136  
137  
138

***Motion by Manager Robertson, seconded by Manager Wagamon, to authorize the Administrator to enter into cost-share agreements with lake associations for curlyleaf pondweed treatments in 2024. Motion carried 4-0.***

139  
140  
141

***Motion by Manager Robertson, seconded by Manager Weinandt, to authorize the Administrator to enter into professional services agreements with Lake Management, Inc. for herbicide treatment of curlyleaf pondweed with the total costs not to exceed \$20,000. Motion carried 4-0.***

142  
143  
144  
145

146 **3. Centerville Lake Alum Project Contractor Selection**

147 Lake & Stream Manager Kocian stated they were seeking authorization for an agreement with an  
148 alum applicator and access agreements with cooperators. He reminded the Board that the District  
149 had received Clean Water Fund dollars to do an alum treatment on Centerville Lake. He explained  
150 that the District had hired Barr Engineering as the project engineer who had released the Request  
151 for Quotes in March to three applicators, and noted that the District received just one quote back  
152 from Solitude Lake Management. He noted that this company was formerly known as HAB Aquatic

153 Solutions who had done the alum treatment on Bald Eagle Lake in 2014 and 2016. He stated that  
154 many of the alum treatments throughout Minnesota have been done by this group. He noted that  
155 Solitude's quote came in about \$64,000 under budget and includes applications for both 2024 and  
156 2026, which is the entirety of the project. He gave a brief overview of the two access agreements.  
157 Manager Weinandt stated that she thought it was great that there was such a good turnout at the  
158 public information meeting.

159  
160 Manager Robertson asked if the total not to exceed amount included contingencies.

161  
162 Lake & Stream Manager Kocian stated that the motion does include a contingency and noted that  
163 instead of using a percentage, they are suggesting a dollar amount.

164  
165 Manager Wagamon asked why the other two companies had not submitted a quote.

166  
167 Lake & Stream Manager Kocian explained that there are just not many companies that do this type  
168 of work, especially at this scale. He stated that the other two companies that had received the  
169 Request for Quotes, are equipped to do alum treatments, but on smaller ponds, such as those on a  
170 golf course. He explained that despite the lack of competition there does not appear to be any  
171 indication of price increases and stated that Solitude Lake Management's references are all very  
172 solid.

173  
174 1<sup>st</sup> Vice-Pres. Waller stated that since the District would be working with Barr Engineering, he would  
175 assume that they will see Joe Bischoff at some point and noted that he has a long history of working  
176 with the District, so he felt they were in pretty good hands with this project.

177  
178 **Manager Wagamon, seconded by Manager Robertson, to authorize the Administrator, on advice**  
179 **of counsel, to enter into an agreement with Solitude Lake Management, Inc. for the Centerville**  
180 **Lake Alum Project, for an amount not to exceed \$957,312.50. The Administrator is further**  
181 **authorized to approve contract amendments not to exceed \$64,434.50. Motion carried 4-0.**

182  
183 **Manager Wagamon, seconded by Manager Robertson, to authorize the Administrator, on advice**  
184 **of counsel, to execute access agreements with Anoka County and St. Paul Regional Water Services**  
185 **for the Centerville Lake Alum Project. Motion carried 4-0.**

186  
187 Manager Weinandt asked for an update on the carp programs.

188  
189 Lake & Stream Manager Kocian stated that they are fully ready when the carp decide to start  
190 migrating up Rice Creek, which they have not done so far. He noted that with the warmer  
191 temperatures and rain, they expect the carp will begin migrating soon.

192  
193



194 **4. Check Register Dated April 24, 2024, in the Amount of \$309,611.20 and April Interim Financial**  
195 **Statements Prepared by Redpath and Company**

196 Manager Weinandt referenced page 124 of the packet and pointed out that the District has surety  
197 reimbursements from 2013 and 2017, which she believes were the result of looking into the historic  
198 records.

199  
200 Regulatory Manager Hughes clarified that the payment from 2013 was not directly related to the  
201 unresolved permit efforts and was just something the developer had to address.

202  
203 ***Motion by Manager Weinandt, seconded by Manager Robertson, to approve check register Dated***  
204 ***April 24, 2024, in the Amount of \$309,611.20 and April Interim Financial Statements Prepared by***  
205 ***Redpath and Company. Motion carried 4-0.***  
206

207 **ITEMS FOR DISCUSSION AND INFORMATION**

208 **1. Staff Reports**

209  
210 **2. May Calendar**

211  
212 **3. Administrator Updates**

213 District Administrator Tomczik stated that the District was out inspecting and monitoring ACD 53-  
214 62 for the vegetation establishment. He stated that the first closure was this past Friday for their  
215 Project Manager position and they are currently reviewing applications. He stated that for the I35W  
216 flood mitigation project, the District had shared the bill informational materials, that were  
217 developed by Communications & Outreach Manager Sommerfield, with Minnesota Watersheds  
218 who, in turn, shared it with their lobbyists. He stated that HF #4944 now has authors of  
219 Representatives Feist, Mueller, and Fischer, and SF #4337 has been referred to capital investment  
220 but does not yet have a scheduled hearing. He noted that Senator Marty’s office has expressed  
221 interest so they have passed along the relevant materials and welcome any questions that he may  
222 have. He stated that Minnesota Watersheds had sent out a survey regarding human resource  
223 matters, current challenges/needs at watershed and noted that he appreciated their support. He  
224 stated that the Annual Conference would be moving to Grand View Lodge and the Minnesota  
225 Watershed Summer Tour would be held on June 25-27, 2024. He reminded the Board that the City-  
226 County Partner meeting will be held later today from 1:00 to 3:00 p.m. at the New Brighton  
227 Community Center in Room #224.  
228

229 **4. Managers Update**

230 Manager Weinandt stated that she had attended an interesting meeting with Metro MN  
231 Watersheds and noted that BWSR and MN Watersheds Director Voigt were also in the office last  
232 week for a visit.  
233

234 Manager Wagamon stated that he would not be able to attend the City-County meeting later today.

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Manager Robertson stated that following Board direction from their workshop, she and Manager Wagamon met with the City of Circle Pines to go through the unanswered questions that the District has regarding their intent. She explained that they had asked the City of Circle Pines to provide a formal memo to the District clearly stating what their concerns are, their next steps, and identifying their intent to handle the outstanding invoice.

1<sup>st</sup> Vice Pres. Waller stated that he attended the legislature last week and met with Senator Housley and talked to her about the bill and also spoke with Representatives Anderson and Fischer about it. He stated that he was at the Metro MN Watersheds meeting and spoke with the lobbyists and gave a brief overview of some of their topics of discussion. He stated that the Board voted two meetings ago on looking at the rules and he brought up at the last meeting regarding things such as overlap. He stated that District Attorney Smith had reminded him to look at the watershed management plan, which he did. He referenced the plan and read aloud a section related to rule revisions related to overlapping.

**ADJOURNMENT**

***Motion by Manager Robertson, seconded by Manager Wagamon, to adjourn the meeting at 9:38 a.m.***

***Motion carried 4-0.***

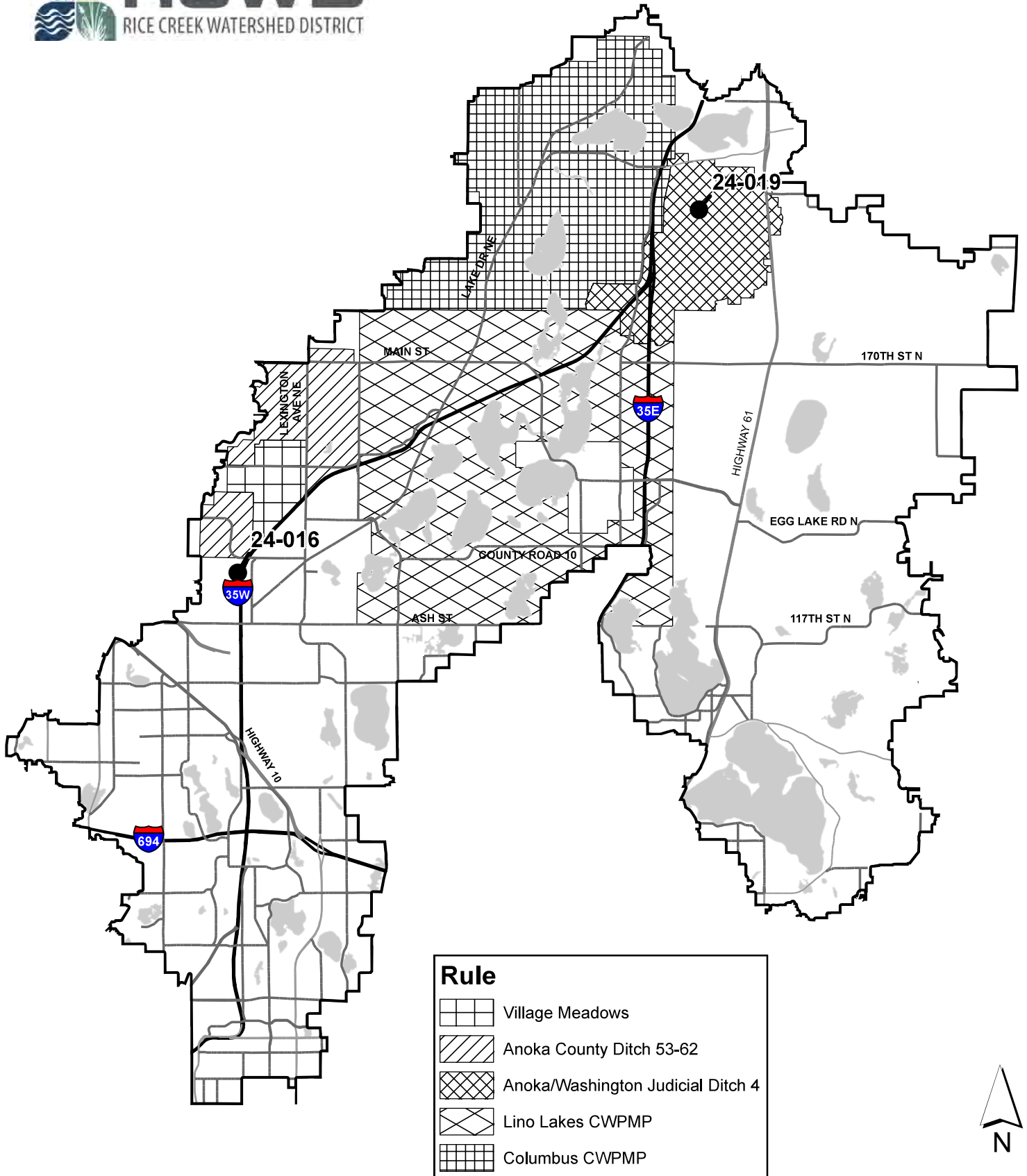
# CONSENT AGENDA






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
24-016	Great Grace Assembly of God Church	Blaine	Final Site Drainage Plan Land Development Public/Private Drainage System Wetland Alteration Floodplain Alteration	CAPROC 12 items
24-019	Headwaters Land Group, LLC	Forest Lake	Final Site Drainage Land Development Floodplain Alteration	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 April 29, 2024.*



Rule	
	Village Meadows
	Anoka County Ditch 53-62
	Anoka/Washington Judicial Ditch 4
	Lino Lakes CWPMP
	Columbus CWPMP



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:

24-016

Permit Application Name:

Boulder Villas

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Applicant/Landowner:

Great Grace Assembly of God Church  
Attn: Louis Oppong-Kyekyeku  
2625 Central Ave NE  
Minneapolis, MN 55418  
Ph: 612-788-4205  
greatgraceag@gmail.com

Permit Contact:

Plowe Engineering, Inc.  
Attn: Adam Ginkel  
6776 Lake Drive STE 110  
Lino Lake, MN 55014  
Ph: 651-361-9182  
adam@plowe.com

Boulder Contracting LLC  
Attn: Brian Jansen  
16522 Wake St NE  
Ham Lake, MN 55304  
Ph: 612-369-2746  
Brian@BoulderContractingLLC.com

Project Name: Boulder Villas

Purpose: FSD – Final Site Drainage, LD – Land Development, PDS – Public/Private Drainage System, WA – Wetland Alteration, FA – Floodplain Alteration; Detached single-family villas with private streets.

Site Size: 4.84± acre parcel / 3.40 ± acres of disturbed area; existing and proposed impervious areas are 0.00 ± acres and 1.12 ± acres, respectively

Location: On the corner of 93<sup>rd</sup> Ave NE and West 35W Service Road in Blaine, MN.

T-R-S: NE ¼, Section 34, T31N, R23W

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

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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.

Rule I – Drainage Systems

3. 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)).
4. The maintenance responsibility for the crossing must be memorialized in a document executed by the property owner in a form acceptable to the District and filed for record on the deed.
5. Applicant must submit a plan to maintain the flow ARJD-1 during construction activities. Plan must also include contingency plan for larger storm events.
6. Applicant must submit a copy of the final dewatering plan.

Administrative

7. 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:
  - Applicant to modify outlet pipe so as to not be an impedance to ditch maintenance or cause erosion.
  - Provide additional protection measures/details at the sanitary crossing of ARDJ-1 to ensure the pipe is not damaged.
8. The applicant has been notified that permit costs have exceeded \$7,500. The applicant is responsible for permit review costs in excess of \$9,000 and must pay any remaining balance due. Contact the District after all other conditions have been addressed for the final amount.
9. 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).
10. 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.
11. 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.
12. The applicant must submit a cash surety of \$13,800 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 \$2,000 for 3.4 acres of disturbance, \$5,600 for 11,183 CF of storm water treatment, \$ 6,200 for 825 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 ARJD1 on both Br 1 and the Main Trunk to verify location and elevation with the approved plans.
5. The applicant must submit a record drawing of the installed subsurface utility crossing.

**Exhibits:**

1. Plan set containing 11 sheets dated 4-19-2024 and received 4-19-2024.
2. Stormwater Calculations, dated 4-19-2024 and received 4-19-2024, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
3. Soil Borings Report dated 10-10-2016 and received 3-15-2024.
4. Revised floodplain calculations (on sheet C1.1), received 4-26-2024.
5. WCA exemption application, signed 03-08-2024 and received 03-11-2024.
6. TEP comment, received 04-23-2024.
7. Review files 16-106R, 23-036R, 23-172R.

**Findings:**

1. **Description** – The project proposes to construct detached single-family homes with private streets on a 4.84± acre parcel located on the corner of 93<sup>rd</sup> Ave NE and West 35W Service Road. The project will increase the impervious area from 0.00± acres to 1.12± acres and disturb 3.40± acres overall. The project drains south to ARJD 1 Br 1 which intersect the Main Trunk at the south portion of the property. ARJD 1 Main Trunk flows into Rice Creek and then to Long Lake, which is 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
Pond A	Southeastern property line	4,689± CF	8,450± cubic feet below the outlet	906.3
Pond B	Northwestern property line	3,427± CF	7,470± cubic feet below the outlet	906.3
Pond C	Southwestern property line	3,067±CF	6,025± cubic feet below the outlet	906.4

Soils on site are a mix of HSG A/B and D consisting of silty clay mix with sand and sandy top soil with fine sands below. The water table is near or at the surface. Thus, infiltration is not considered feasible and stormwater ponds is acceptable to meet the water quality requirement. Per Rule C.6(c)(1), the Water Quality requirement is 2.2-inches over the new/reconstructed area (1.12± acres), however NURP sizing criteria governs.

The pond sizing, and outlets and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 88.3% of the project area. Additional TSS removal is not practicable. 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
To ARJD 1	0.7	0.6	2.3	1.7	7.4	5.0
Totals		0.6		1.7		5.0
80% Existing	0.5		1.9		5.9	

The project is located within the Flood Management Zone. The slight increase in rate to ARJD 1 is within tolerance of the model. 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(g).

3. Wetlands – A wetland delineation was completed as part of a property subdivision under permit file #07-040. This application was never approved and no impacts were proposed at that time. The property was delineated for wetlands again under review file #16-106R with a boundary decision issued on 11-04-2016 which has expired. More recently, a boundary/type application was submitted under review file #23-172R. This boundary decision was issued on 11-02-2023 and remains valid at the time of this permit application.

The project proposes 1,903 ft<sup>2</sup> of permanent wetland impact associated with the grading for new single-family home lots. The LGU finds that the proposed impacts qualify for de minimis exemption under MN 8420.0420 Subpart 8 (type 1/2 wetland, non-shoreland, 50-80% county). A notice of decision was issued on 05-06-2024.

4. Floodplain – The regulatory floodplain elevations on site are 906.0 (west) and 905.7 (east). The applicant has placed 825 cubic yards of fill, off-set by 867 cubic yards of mitigation in compliance with Rule E.
5. Erosion Control – Proposed erosion control methods include silt fence, bio-rolls, rip-rap with geo-fabric, erosion control blanket, rock construction entrance, inlet protection and rip rap. The project disturbs more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheet 7. 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 – Both the Main Trunk and Branch 1 of Anoka Ramsey Judicial Ditch (ARJD) are located on the property, at the southeast and southwest property lines respectively. The applicant is proposing a sanitary crossing 4-5 feet below the Main Truck, which is in a culvert at that location. The crossing owner will remain responsible should the crossing at any time be found to be an obstruction or subject to future modification or replacement under the drainage law. The final plans must provide measures to protect the culvert. The applicant must provide a declaration of maintenance for the crossing, as well as an easement granting the District the right of maintenance.



A dewatering plan must also be submitted. Otherwise, the project is in compliance with Rule I requirements.

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 – Under review file 23-172R a wetland delineation was completed for the parcel. Previous permit applications for the site which were never issued include 07-040, and 16-105.

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

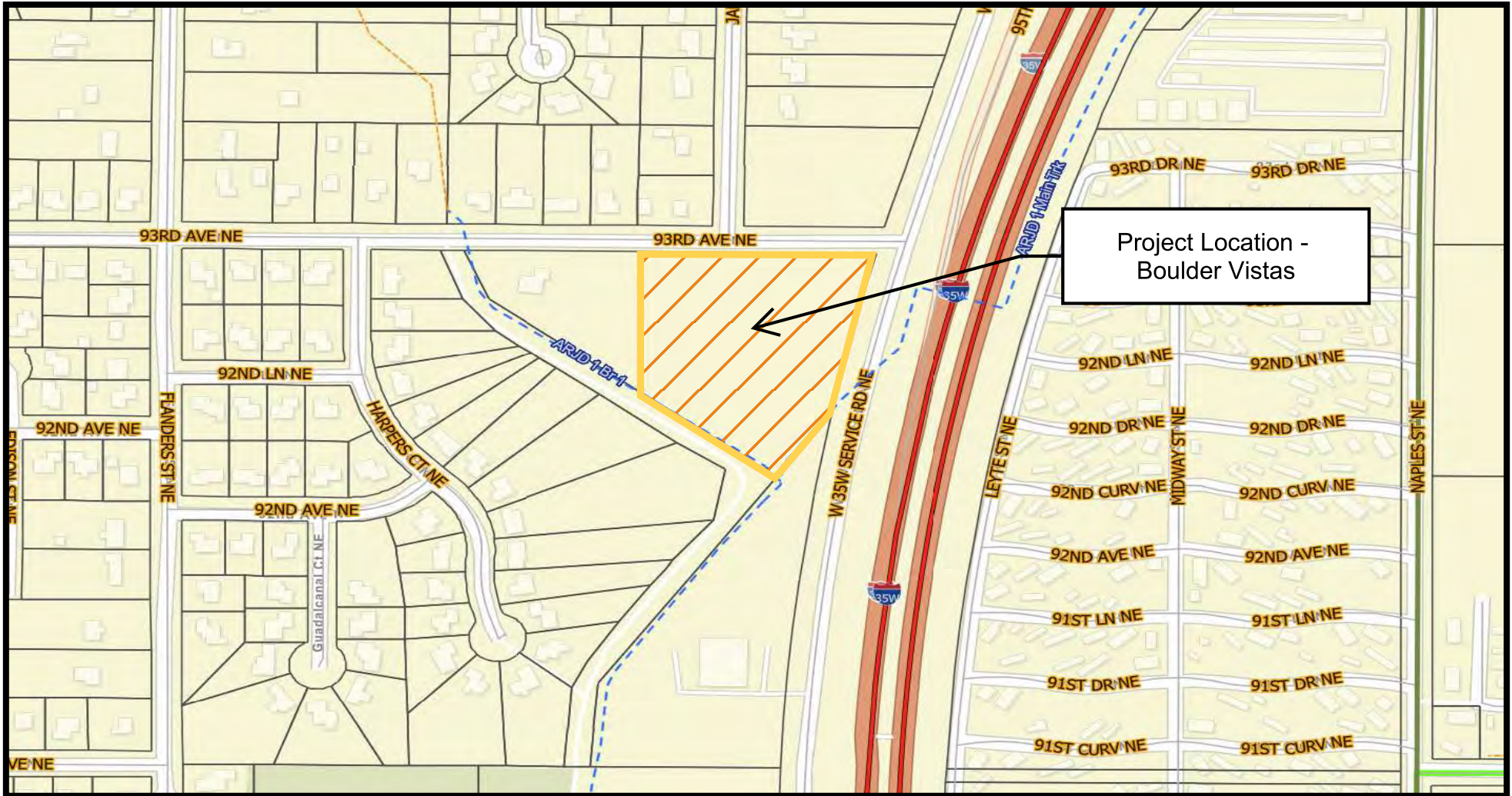
 04/29/2024

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.

 4/29/2024

Katherine MacDonald, MN Reg. No 44590



### Legend



Project Location

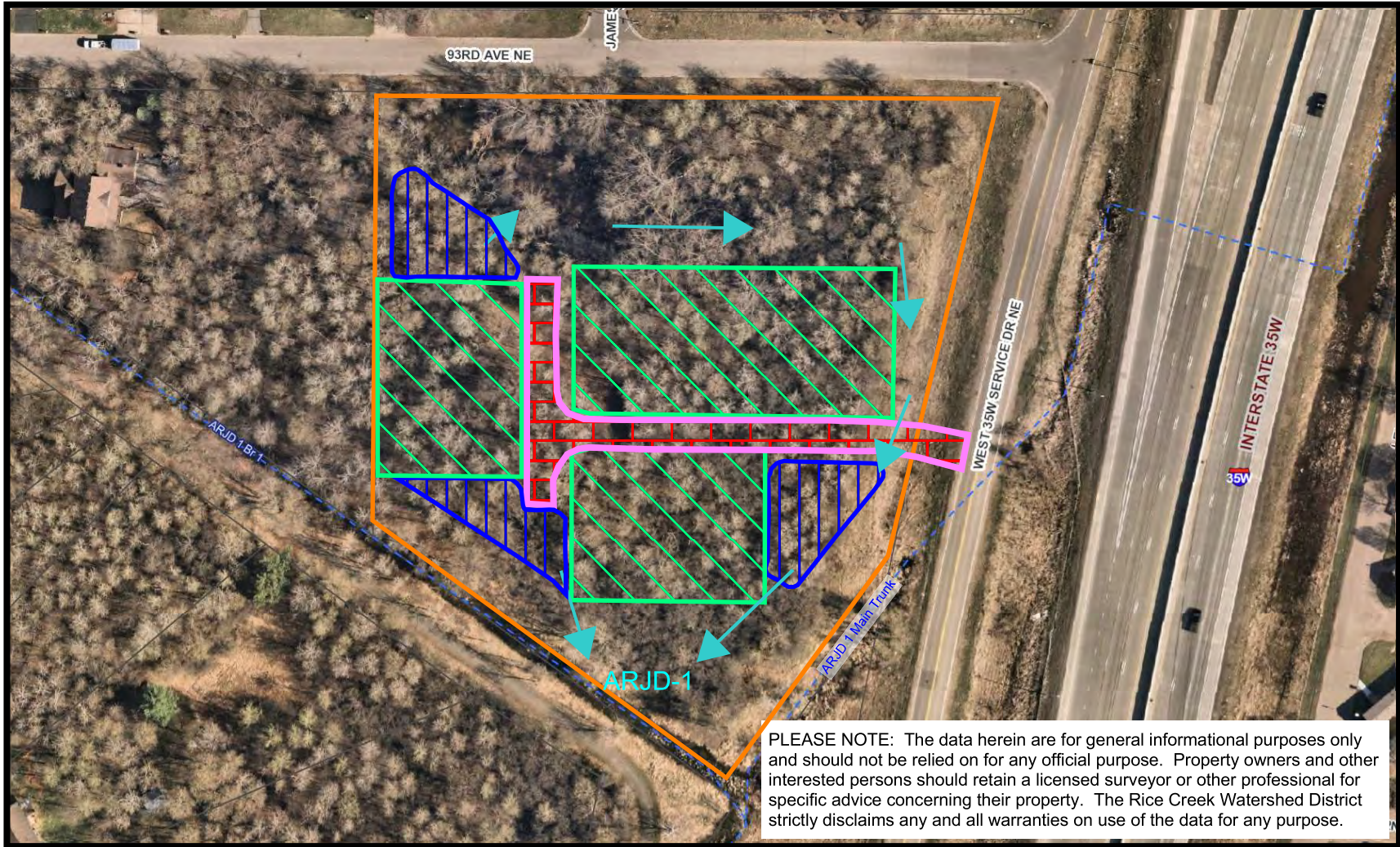


Public Ditch - Open Channel








Private Ditch





### Legend

-  Single family lots
-  Private Streets
-  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:

24-019

Permit Application Name:

Hidden Creek Phase 2

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Applicant/Landowner:

Headwaters Land Group, LLC  
Attn: John Dobbs  
6995 55th Street N  
Oakdale, MN 55128  
Ph: 612-747-1463  
ejohndobbs@gmail.com

Permit Contact:

Widseth, Smith, Nolting & Associates, Inc.  
Attn: Timothy Houle  
6641 Lake Blvd P.O. Box 37  
Forest Lake, MN 55025  
Ph: 218-316-3646  
Fx: 651-464-4822  
tim.m.houle@widseth.com

Project Name: Hidden Creek Phase 2

Purpose: FSD – Final Site Drainage, LD – Land Development, FA – Floodplain Alteration; Phase 2 of the Hidden Creek project in Forest Lake.

Site Size: Multiple parcels totaling 130± acres / 26.6± acres of disturbed area; existing and proposed impervious areas are 0 ± acres and 14.67± acres, respectively

Location: South of Enfield Ave N. and West of Headwaters Parkway, Forest Lake

T-R-S: NW and NE ¼, Section 30, T32N, R21W

District Rule: C, D, E, I

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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. Verify if a new erosion control contact is required or provide if necessary.
- (h) Provide documentation that updated NPDES Permit information has been submitted to the Minnesota Pollution Control Agency (MPCA).

Rule I – Drainage Systems

- 2. 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.
- 3. The applicant must indicate the location of any dewatering discharge. If a discharge point is within 200 feet of the public drainage system, then the applicant must provide a copy of the dewatering plan.

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.
  - Ensure the locations of EOFs are labeled
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 Forest Lake).
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 \$51,800 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 the additional amounts of \$9,750 for 26.6 acres of disturbance, \$37,000 for 74,091 CF of additional storm water treatment, \$ 5,050 for 670 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.

Exhibits:

1. Complete Development Plan set containing 36 sheets printed 4-22-2022 and received 03-18-2024.
2. Online permit application notification, received 3-21-2024.
3. Stormwater Calculations, dated 4-22-2022 and received 03-13-2024, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
4. Phasing exhibit, dated 7-21-2023 and received 03-18-2024.
5. Preliminary plat for the entire project, dated 03-25-2022 and received 03-18-2024.
6. Hidden Creek (Phase 1) plat (page 2), no date, received 03-21-2024
7. Permit file 21-099.

Findings:

1. Description – The project proposes to construct the second part (full development) of the Hidden Creek residential subdivision which is located on previously undeveloped (0± acres of impervious surface) multiple parcels totaling 130± acres located in Forest Lake. Phase 1, covered under permit 21-099 is currently under construction. See Finding 9 for additional detail. Post developed impervious surface for Phase 1 included 4.56± acres. Phase 2 will add an additional 14.67± acres for a project total of 19.23± acres of impervious surface. Phase 2 will disturb an additional 26.6± acres, bringing the development total to 51.9± acres of overall disturbance. Runoff from the site drains to the west to the Main Trunk of Anoka-Washington Judicial Ditch 4 (JD 4) and to the north to a restored wetland basin in an adjacent development (which outlets into Branch B of JD 4 and eventually into the Main Trunk). All site runoff flows to the Main Branch of JD 4 before discharging to Peltier Lake, which is 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	Pretreatment	Volume provided	EOF
Park South Biofiltration Basin	South of Park North Pond	Park North Pond	167,109± cubic feet below the outlet	896±
Park North Pond	Center of Project	Rate Control Only		896±
Park East Dry Basin	East of English Avenue	Rate Control Only		896±
SE Dry Basin	South of Headwaters Ave.	Rate Control Only		899.1±

Soils on site are primarily CL clay soils (HSG D), and thus infiltration is not considered feasible and bio-filtration is acceptable to meet the water quality requirement. Per Rule C.6(c)(1), the Water Quality requirement is 1.69-inches over the new/reconstructed area for the entire development (19.23± acres) for a total requirement of 118,130± cubic feet. Under the first phase, water quality was met using the Park North Pond which was designed to NURP standards. The bio-filtration basin will replace the pond to provide water quality treatment for the entire site.

Adequate pre-treatment has been provided. Drawdown is expected within 48-hours using an appropriate rate of 1.75 inches per hour. 12-inches of sand have been provided above the drain tile. The seasonal high water table is estimated at an elevation of 891±, which is below the bottom of the biofiltration basin and provides adequate separation. The applicant has treated 98% of the project area either through the BMPs or by meeting the criteria of C.6(f). Additional TSS removal is not practicable. The applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(c).

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
West to Wetland	5.6	5.6	14.2	14.2	36.9	36.9
West to JD 4	31.8	16.5	64.7	29.8	143.4	126.7
North to Enfield Ave.	0.1	0.0	0.3	0.0	1.1	0.0
North to Wetland	67.1	68.7	142.1	139.9	325.1	302.1
Totals	104.6	90.8	221.3	183.9	506.5	465.7

The project is not located within the Flood Management Zone. The proposed rate increase for the 2-year event to the wetland will not cause an adverse impact. 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(g).

The off-site wetland is classified as slightly susceptible. Information in the regional model demonstrates compliance with the bounce and inundation requirements of Rule C.8.

3. Wetlands – The entire Hidden Creek development area was delineated for wetlands under Review Files #20-191R and #21-285R. The project includes permanent wetland impact; however, all impacts and the required replacement were approved under the Phase 1 permit (#21-099). No additional wetland impacts are proposed under Phase 2. Please see the engineer's report for #21-099 for additional information.
4. Floodplain – The regulatory floodplain on the site at an elevation of 896.9 (NAVD88). Phase 2 is proposing an additional 670± CY of fill and additional 381± CY of mitigation. The total project proposes 1,305± CY of fill and has provided 1,352± CY of compensatory floodplain storage in compliance with Rule E requirements.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrances, inlet protection, and rip rap. An NPDES permit is required for the project. The SWPPP is located on plan sheets C6.01 to C6.07. 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 is not within 1 mile of a nutrient impaired water.
6. Regional Conveyances – A rerouted of the tile under the control of the City of Forest Lake (formerly a tile branch of JD-4) was approved under permit 21-099. There are no new Rule G requirements.
7. Public Drainage Systems – The Park North Pond outlets into the Main Trunk of JD-4. The project will not modify the public drainage system. The applicant must indicate the location of any dewatering discharge. If the discharge point is within 200 feet of the public drainage system, then the applicant must provide a copy of the dewatering plan.
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 – The entire development was originally submitted and received CAPROC on 5-11-2022 under permit application 21-099. The application was amended for only the Phase 1 portion. The amendment received CAPROC on 6-28-2023 and was issued on 8-28-2023.

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.

 04/29/2024

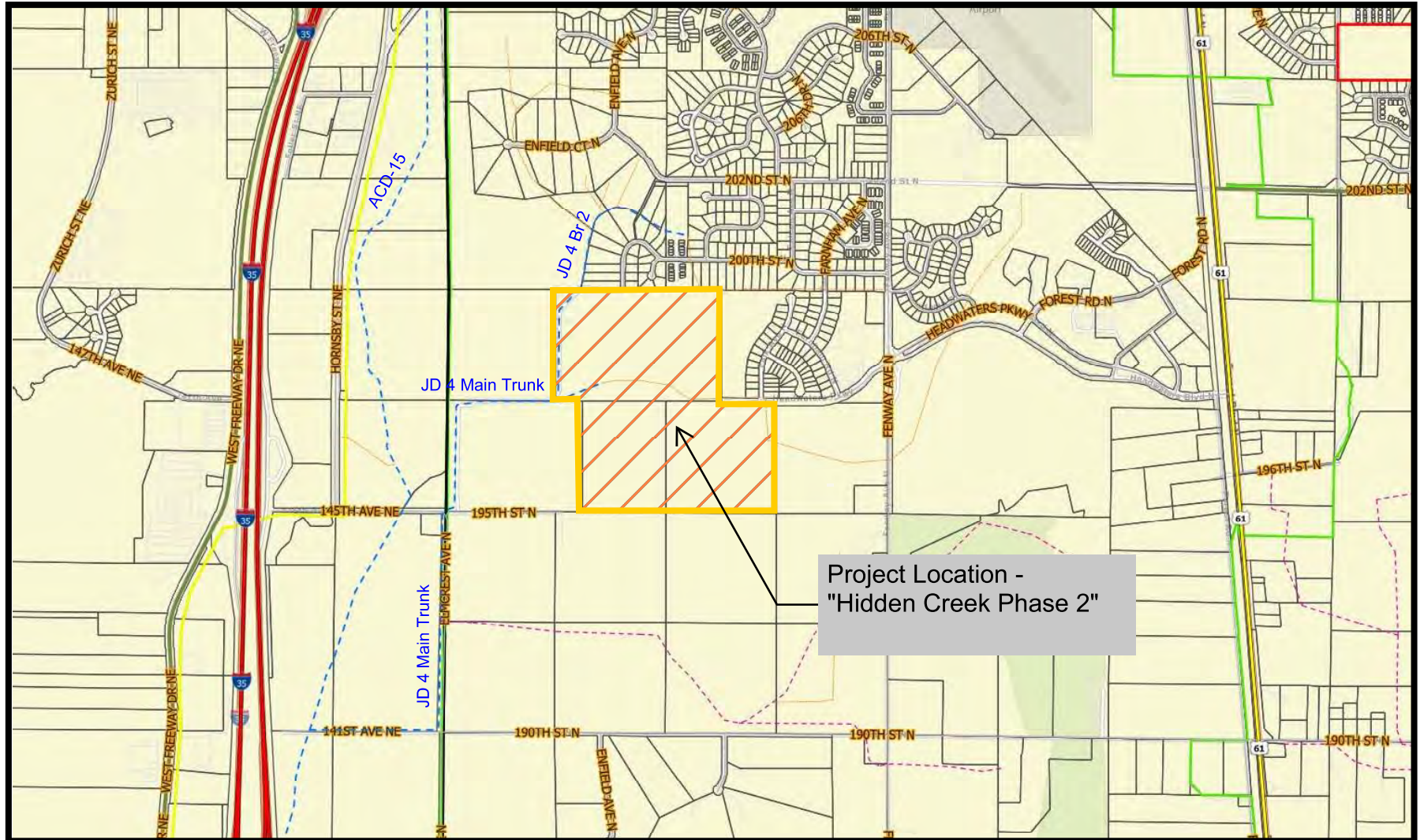
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Greg Bowles, MN Reg. No 41929

 04/29/2024



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Katherine MacDonald, MN Reg. No 44590



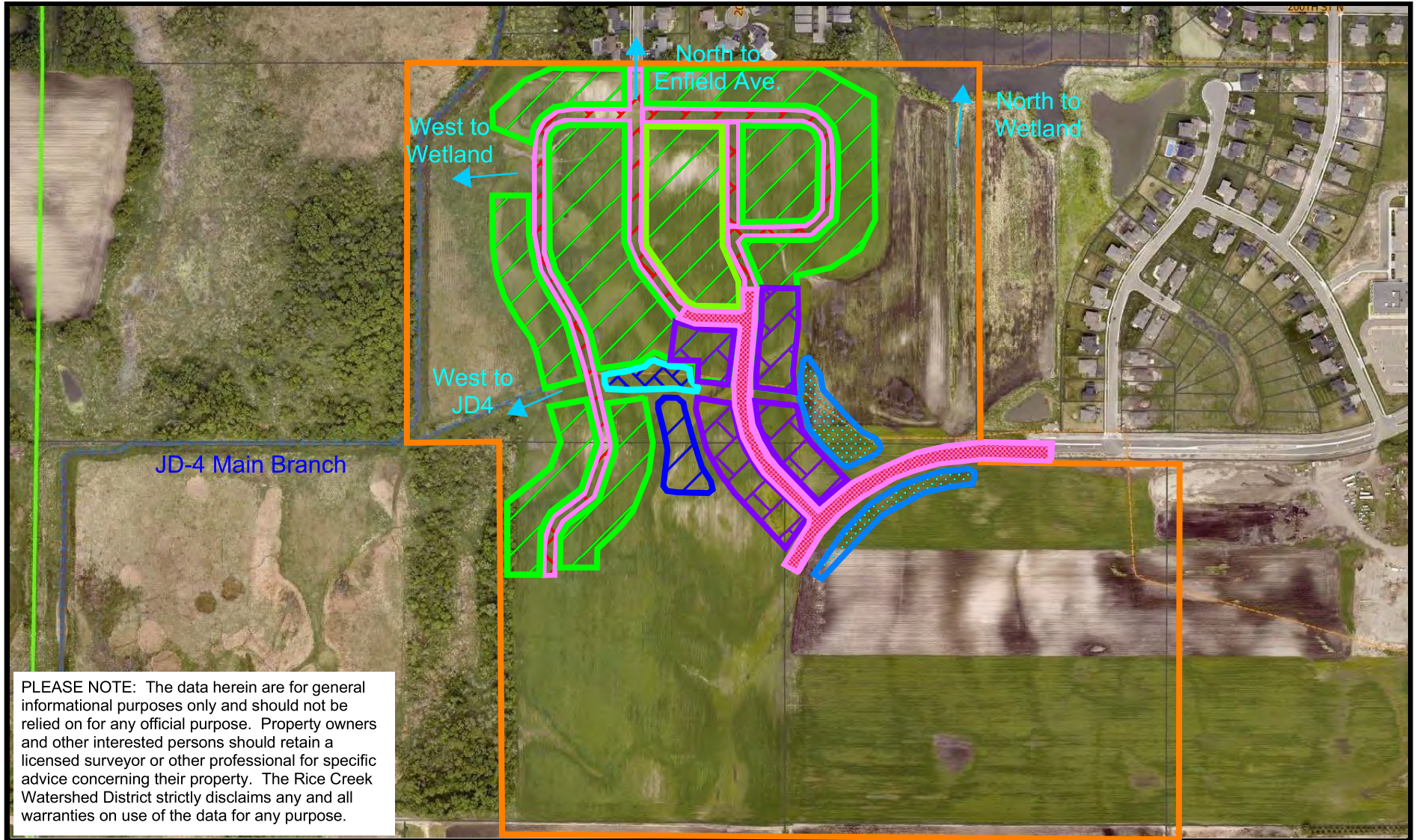
Project Location -  
"Hidden Creek Phase 2"

### Legend

-  Project Location
-  Public Ditch - Open Channel
-  Public Ditch - Tile
-  Private
















PLEASE NOTE: The data herein are for general informational purposes only and should not be relied on for any official purpose. Property owners and other interested persons should retain a licensed surveyor or other professional for specific advice concerning their property. The Rice Creek Watershed District strictly disclaims any and all warranties on use of the data for any purpose.

### Legend

-  Project Location
-  Single-Family Lots Phase 1
-  Single-Family Lots Phase 2
-  Streets - Phase 1
-  Streets - Phase 2
-  Wet Pond
-  Dry Basin
-  Filtration Basin
-  Drainage Arrow



**WATER QUALITY GRANT PROGRAM COST SHARE APPLICATION (MOLLY NELSON)**

<b>No.</b>	<b>Applicant</b>	<b>Location</b>	<b>Project Type</b>	<b>Eligible Cost</b>	<b>Pollutant Reduction</b>	<b>Funding Recommendation</b>
R24-05	Ann Frisch	White Bear Lake	Rain garden	\$5,943	Volume: 86% TSS: 86% TP: 86%	50% cost share of \$2,971.50 not to exceed 50%; or \$7,500 whichever cost is lower
R24-06	Brent Mason	White Bear Lake	Rain garden	\$6,807	Volume: 13% TSS: 13% TP: 13%	75% cost share of \$5,105.25 not to exceed 75%; or \$7,500 whichever cost is lower
R24-07 re-application	Mike Timm	White Bear Township	Shoreline Stabilization & Restoration	\$17,915.50	Volume: 69% TSS: 100% TP: 100%	50% cost share of \$7,500 not to exceed 50%; or \$7,500 whichever cost is lower



# MEMORANDUM

## Rice Creek Watershed District

**Date:** May 2<sup>nd</sup>, 2024  
**To:** RCWD Board of Managers  
**From:** Molly Nelson, Outreach and Grants Technician  
**Subject:** RCWD Water Quality Grant Program Application  
R24-05 Frisch Rain Garden

### Introduction

R24-05 Frisch Rain Garden

- Applicant: Ann Frisch
- Location: 4887 Stewart Ave, White Bear Lake
- Total Eligible Project Cost: \$5,943.00
- RCWD Grant Recommendation: \$2,971.50 (50%)

### Background

This Water Quality Grant application proposes a rain garden project that is on a residential property in the City of White Bear Lake. The purpose of installing a rain garden is to collect the stormwater runoff from the property and adjacent area to treat/filter pollutants from the source while diverting the water to infiltrate into the ground. This project will help with water quality and volume control for stormwater runoff into White Bear Lake which is a 303(d) impaired water.

The Ramsey County Parks & Recreation Soil and Water Conservation Division (RCSWCD) created a design for the project and provided recommendations that have been included in the design. The project as proposed is designed to construct a rain garden depressed basin with native plant vegetation on the applicant's property. RCWD staff is comfortable with the design presented in this application. The total catchment area for the project is 1,827 square feet. The estimated pollutant reductions for the proposed project are: 86% reduction in volume (2,513.4 cu-ft/yr), 86% reduction in total suspended solids (TSS) (9 pounds/year), and a 86% reduction in total phosphorus (TP) (0.04 pounds/ year). The project location scored a value of 17 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained three bids for the project. The District will proceed with the lowest bid for the project upon approval of the application for cost-share.

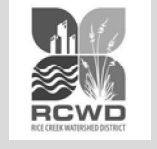
- Native Resource Preservation, LLC.: \$6,635.18
- Davey Resource Group, Inc.: \$5,943.00
- Out Back Nursery & Landscaping: \$6,120.54

The project application was discussed at the CAC meeting on May 1st. The CAC was supportive of the project and recommended it as presented. Motion carried 9-0.

### Staff Recommendation

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for R24-05 Frisch Raingarden.

**MEMORANDUM**  
**Rice Creek Watershed District**



**Request for Proposed Motion**

Manager \_\_\_\_\_ moves to authorize the Administrator, on advice of counsel, to approve the Water Quality Grant Contract R24-05 of \$2,971.50 not to exceed 50% of eligible project costs or up to \$7,500.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

**Attachments**

Water Quality Grant R24-05 application items.

Ramsey County Soil & Water Conservation Division



**To:** RCWD Advisory Committee  
**From:** Nick Neylon: Environmental Resource Specialist  
**Date:** 4/11/2024  
**Re:** Frisch Residence Cost Share Application

**Project:**

4887 Stewart Avenue  
White Bear Lake, MN 55110  
Raingarden

**Material & Labor Estimate:** \$5,943.00

**Cost Share Request:** \$2,671.50

**Background:**

The proposed raingarden project is located at a private residence in White Bear Lake. Currently, runoff from the garage roof and landscape flows into the alley and storm system.

The proposed project is to create a raingarden to collect runoff from roof and hardscape drainage, and adjacent landscape areas. Native plants will be used to retain soil and filter run off from the property. The project will intercept runoff headed towards storm drains, decreasing volume, TPP and TSS from entering the storm system. It will also provide pollinator resources with a native planting.

Total catchment area treated by the proposed project is 1827 square feet (.042 acres). It is 55% impervious and includes roof, sidewalks, and turf grass.

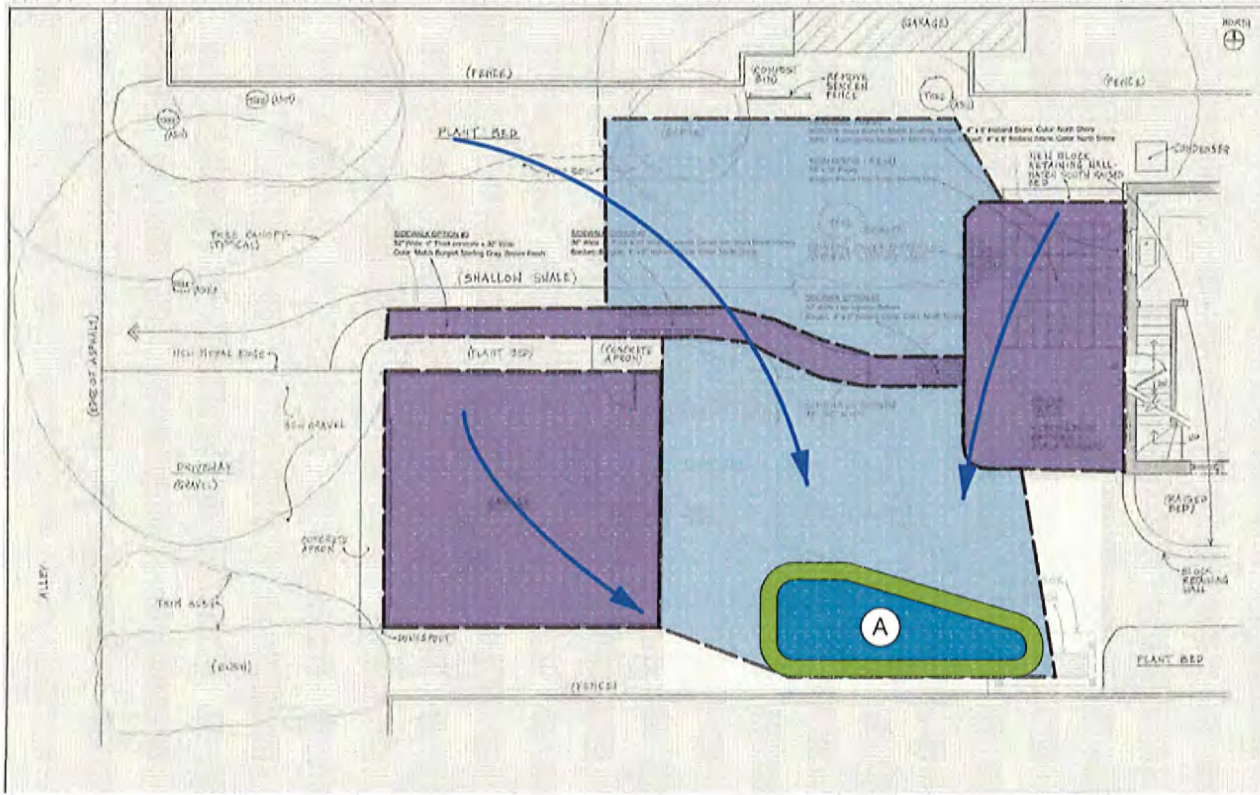
**Recommendation:**

It is my recommendation that this project be awarded cost share in the amount of \$2,671.50

**Pollution Reductions:**

	<i>Before</i>	<i>After</i>	<i>Reduction</i>	<i>Red. %</i>
Volume (cu-ft/yr)	2935.9	422.5	2513.4	86%
TSS (lbs/yr)	10	1	9	86%
TP (lbs/yr)	.05	0.007	.043	86%

EXHIBIT A: Site Drainage



PROPOSED PROJECTS

ID	PROJECT TYPE	SIZE [SQ-FT]	COST ESTIMATE	ESTIMATED GRANT AWARD	AFFECTED WATER BODY	CLEAN WATER BENEFIT
A	RAINGARDEN	200	\$6,000	\$3,000 [50%]	WHITE BEAR LAKE	VOL./SEDIMENT/PHOSPHOROUS

LEGEND



NOTES

CONCEPTUAL DRAWING FOR REFERENCE USE ONLY  
 \* DISCLAIMERS:  
 1. COST SHARE FUNDING UP TO 75%, CAPPED AT \$7,500 PER PROJECT  
 2. COSTS AND PERCENTAGES ARE ESTIMATES. FUNDING IS DEPENDENT ON APPROVAL BY THE RCWD BOARD OF SUPERVISORS



CLEAN WATER PLAN

PROPERTY OWNER:  
 FRISCH RESIDENCE  
 ADDRESS:  
 4887 STEWART AVE  
 WHITE BEAR LAKE, MN 55410

DATE: 04/11/2024  
 CLEAN WATER PLAN PROVIDED BY:  
 RICE CREEK WATERSHED DISTRICT [RCWD] &  
 RAMSEY COUNTY SOIL & WATER  
 CONSERVATION DISTRICTS QUAD

PROJECT LOCATION WITHIN WATERSHED:





**RAMSEY COUNTY**  
 RAMSEY COUNTY SWCD  
 2015 VAN DYKE STREET  
 MAPLEWOOD, WI 53129  
 608-786-7260  
 www.ramseycounty.us

PROJECT: FISCH RESIDENCE  
 LOCATION: 4882 STEWART AVENUE  
 WHITE BEAR LAKE, WI, 53110  
 WATERSHED DISTRICT:  
 RICE CREEK WATERSHED DISTRICT



DESIGNER: NICK NEVILSON  
 DATE: 3/27/2024  
 REVISION:  
 REVISION:  
 REVISION:  
 CHECKED BY: BTO  
 TAA:

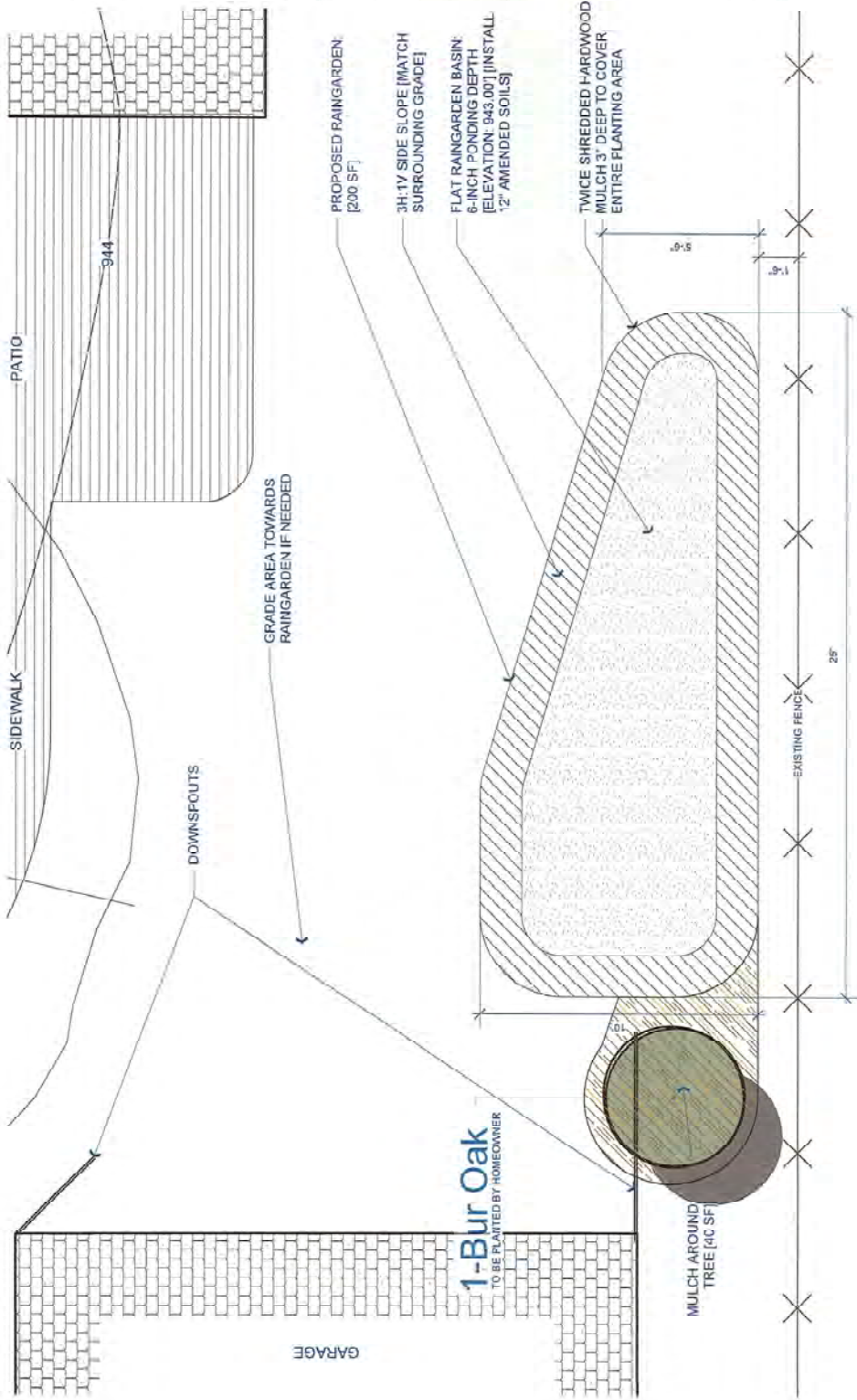
NOTES:  
 -CONTACT GOMPHRETT STATE AND CALL TO CONFIRM UTILITY LOCATIONS  
 -EXCAVATE WITH TRACKED EQUIPMENT ONLY  
 -USE GROUND PROTECTION OVER NEWLY INSTALLED PAVERS  
 -ELEVATIONS ARE APPROXIMATE  
 -VERIFY ANY BIO ALTERNATES OR SODITE CHANGES WITH SWCD STAFF PRIOR TO INSTALLATION  
 -ORIGINAL SHEET SIZE: 11"x17"

SCALE: 1/4"=1'-0"

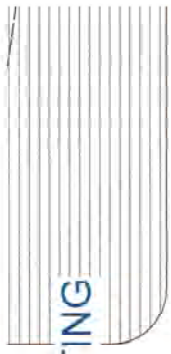
N

**SITE PLAN**

**L100**



- PROJECT NOTES:**
1. ELEVATIONS ARE APPROXIMATE. EXACT ELEVATION OF BASIN, ETC. MAY VARY DEPENDING ON FINAL GRADE OF RAINGARDEN.
  2. EXCAVATE RAINGARDEN AREA. LOOSEN UNDERLYING SOILS 6-12" TO REMOVE COMPACTION & PROMOTE INFILTRATION. AND INSTALL 1" DEEP AMENDED SOILS IN RAINGARDEN BASIN AREA.
  3. GRADE OUT BASIN & SIDE SLOPES PER PLANS. CONTRACTOR TO ENSURE RAINGARDEN BASIN IS FLAT IN ALL DIRECTIONS AND SIDE SLOPES ARE NO GREATER THAN 3H:1V BEFORE PLACEMENT OF MULCH AND PLANT MATERIAL.
  4. CREATE A SHALLOW SWALE TO TRANSPORT WATER FROM DOWNSPOUT INTO RAINGARDEN.
  5. INSTALL TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE RAINGARDEN AREA.
  6. PRESERVE ALL EXISTING TREES & SHRUBS UNLESS OTHERWISE DIRECTED BY LANDOWNER.
  7. NO CONSTRUCTION MATERIALS TO BE STORED UNDER TREE CANOPIES OR DRIVEN IN THE RAINGARDEN BASIN.
  8. CONTRACTOR TO SEED ALL AREAS OF DISTURBED SOIL WITH FESCUE SEED OR SIMILAR UPON COMPLETION OF PROJECT.
  9. CONTRACTOR TO POT-HOLE UTILITIES NEARWITHIN PROJECT AREA TO VERIFY DEPTH AND LOCATION PRIOR TO MACHINE EXCAVATION.
  10. CONTRACTOR TO USE GROUND PROTECTION (TRACKMATS, PLYWOOD, ETC. OVER NEWLY INSTALLED PAVERS ON THE NORTH SIDE OF THE GARAGE).



**NATIVE PLANTING NOTES:**

1. INSTALL 3" TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE PLANTING AREA.
2. PLANT FORBS ACCORDING TO PLANTING PLAN. FILL GAPS BETWEEN PLANTS WITH GROUND COVER PLANTING. FINAL PLANT SPACING TO BE 18"-24". SUBSTITUTIONS TO BE APPROVED BY RAMSEY COUNTY SWCD STAFF PRIOR TO PURCHASE AND INSTALLATION.
3. ALL PLANTS TO BE 2" FLUGGS OR SIMILAR.

**GROUND COVER PLANTING**

Little Bluestem-18

Penn Sedge-18

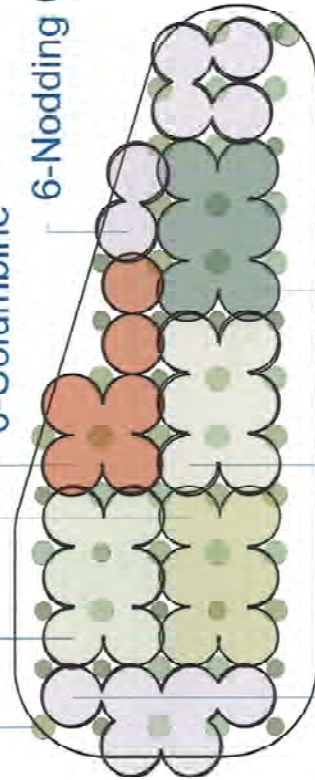
Plains Oval Sedge-18

6-Mountain Mint

6-Lead Plant

6-Columbine

6-Nodding Onion



6-Bergamot

6-Culver's Root

6-Nodding Onion

PLANT SCHEDULE		
ID	Qty	Common Name
C15	18	Penn Sedge
C17	18	Plains Oval Sedge
F12	6	Bergamot
F25	6	Columbine
F29	6	Culver's Root
F50	6	Mountain Mint
F52	12	Nodding Onion
P6	18	Little Bluestem
	<b>96</b>	<b>TOTAL PLANTS</b>



**RAMSEY COUNTY**

RAMSEY COUNTY SWCD  
3015 VAN DYKE STREET  
MAPLEWOOD, MN 55109  
651.266.7280  
www.ramseycounty.us

PROJECT: FRISCH RESIDENCE

LOCATION:  
4627 STEWART AVENUE  
WHITE BEAR LAKE, MN 55120  
WATERSHED DISTRICT:  
RICE CREEK WATERSHED DISTRICT



DESIGNER: NICK NEWLON

DATE: 3/27/2024

REVISION:

REVISION:

REVISION:

CHECKED BY: BTD

TAA:

NOTES:  
-ELEVATIONS ARE APPROXIMATE  
-UTILITY LOCATIONS ARE APPROXIMATE  
-CONFIRM LOCATIONS PRIOR TO WORK  
-CONTRACTOR ACQUIRE NECESSARY  
PERMITS PRIOR TO START  
-ORIGINAL SHEET SIZE: 11"X17"

SCALE: 3/4"=1'-0"

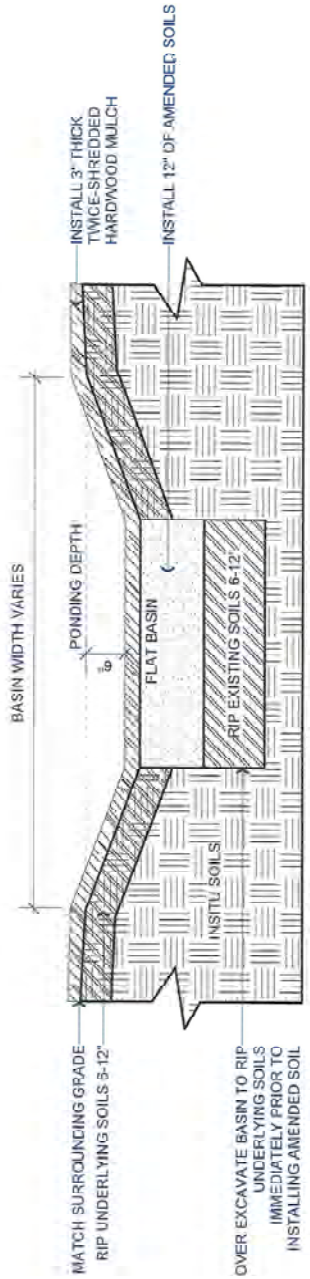
11

PLANTING PLAN

L200



**1** RAINGARDEN DETAIL  
 1/2" = 1'-0"



MATCH SURROUNDING GRADE  
 RIP UNDERLYING SOILS 9-12"

OVER EXCAVATE BASIN TO RIP  
 UNDERLYING SOILS  
 IMMEDIATELY PRIOR TO  
 INSTALLING AMENDED SOIL

ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

Frisch Residence  
 4887 Stewart Ave  
 White Bear Lake, MN 55110  
 BMP Type: Raingarden  
 Number of BMPs: 1 of 1

County: Ramsey  
 Date: 27-Mar-24

INSTALLED MATERIALS & LABOR - RAINGARDEN

Item	Qty	Unit	Unit Cost	Amount
Sod Removal; Raingarden Excavation/Grading & Soil Loosening	11.25	CY	\$ 75.00	\$ 843.75
Soil Amendment (80% Washed No.2 Sand; 20% MnDOT Grade II Compost)	4.25	CY	\$ 105.00	\$ 446.25
Twice Shredded Hardwood Mulch (MnDot Type 6 Mulch)	2.25	CY	\$ 100.00	\$ 225.00
General & Soil Disposal (use excavated soils onsite as possible before soil haul-away)	16.25	CY	\$ 45.00	\$ 731.25
Native Perennial: 2" Plug; or equivalent	96.00	EA	\$ 6.25	\$ 600.00
Deliveries	1.00	LS	\$ 550.00	\$ 550.00
Mobilization	1.00	LS	\$ 1,500.00	\$ 1,500.00
			Subtotal	\$ 4,896.25

INSTALLED MATERIALS & LABOR - ADDITIONAL ITEMS AS NECESSARY

\$ -
\$ -
\$ -
\$ -
\$ -
Subtotal \$ -

PROJECT TOTAL

Project Estimate	\$ 4,896.25
:-10%	\$ 4,406.63
:+10%	\$ 5,385.88
Estimated WD/WMO Grant Award:	\$2,448.13
Estimated RCPR Grant Award:	\$0.00
Potential Grant Award Total:	\$2,448.13
Estimated Landowner Cost:	\$2,448.13

Soil & Water Conservation Division  
 2015 Van Dyke Street  
 Maplewood, MN 55109  
[www.ramseycounty.us](http://www.ramseycounty.us)



Search Native Resource Preservation, LLC



# ANN FRISCH / 4887 STEWART AVE Frisch Raingarden

Dashboard

Documents

Files

## PLM Quote 602-2

Issue Date April 12, 2024  
Expires May 12, 2024

**PENDING**

PENDING

Download PDF

Related

**SUBJECT** Documents



Raingarden  
Quote

**FILES**



Upload...

**COMMENTS**

Post a message  
...



Post

There is no recent activity to display

### PREPARED BY

**Caroline Fazio**

Native Resource Preservation  
(715) 307-8520  
caroline.fazio@nrp.eco  
260 Wentworth Ave E, St Paul, MN  
55118, USA

### PREPARED FOR

**Ann Frisch**

Ann Frisch  
(651) 964-5738  
afrisch09@gmail.com  
4887 Stewart Ave, White Bear Lake, MN  
55110, USA

### PLM QUOTE DETAILS

**4887 Stewart Ave, White Bear Lake, MN 55110, USA**

Please see the quote below.

DESCRIPTION	QTY	UNIT PRICE	TOTAL
Sod Removal: Raingarden Excavation/Grading & Soil Loosening	11.25 Cubic Yards	\$149.54	\$1,682.38
Soil Amendment	4.25 Cubic Yards	\$128.08	\$544.34
Twice Shredded Hardwood Mulch	2.25 Cubic Yards	\$196.91	\$443.05
General & Soil Disposal	11.25 Cubic Yards	\$120.50	\$1,355.63
Native Perennial: 2" Plug	96 Each	\$6.11	\$586.67
Deliveries	1 Lump Sum	\$518.75	\$518.75

Mobilization	1 Lump Sum	\$991.61	\$991.61
		<b>SUBTOTAL</b>	<b>\$6,122.43</b>
		<b>TAX</b>	<b>\$512.75</b>
		<b>TOTAL</b>	<b>\$6,635.18</b>

## Terms and Conditions

Please review our Terms and Conditions prior to signing, found here:

<https://www.nativeresourcepreservation.com/terms-and-conditions>

Please review our Notice of Cancellation prior to signing, found here:

<https://www.nativeresourcepreservation.com/notice-of-cancellation>

## Billing

Unless otherwise agreed upon, service items are charged individually upon completion. Invoices are due upon receipt. A 5% late charge may be applied after 30 days, at NRP's discretion.

## Downpayments

NRP will require a 10% down payment for any line items totaling over \$30,000 USD

## Project Scheduling

Due to the nature of our work and the unpredictability of weather, scheduling more than 2 weeks in advance is extremely difficult. When feasible, NRP will give clients a 2-week window for work, and 24-48 hours notice of a crew being onsite. Notice may be given through either email or phone communication.

By signing, the client acknowledges that they understand NRP's scheduling process as outlined here.

## Notice of Recording for Marketing Purposes

NRP may utilize photos, videos, and written descriptions of this project for education and marketing purposes. No identifying material will be used. Please inform your project manager if you wish to opt out.

## Vegetation Removal

NRP cannot remove vegetation that we deem unsafe or at risk of damaging property or utility lines. We also cannot climb trees for removal or trimming.

NRP reserves the right to refuse to remove any material determined to be unsafe or outside the scope of our ability.

## Utility Line Marking

NRP reserves the right to contact Gopher One State and have utility locate inspectors enter the site to mark buried utility lines. We will inform the client ahead of time if this is the case.



Local Office  
1196 7th St. East  
St. Paul, MN 55106

April 1, 2024

**Anne Frish**  
4887 Stewart Ave  
White Bear Lake, MN 55110

**RE: Backyard Raingarden**

Dear Ann,

Thank you for contacting Davey Resource Group, Inc. "DRG " to provide you with this proposal for your backyard raingarden and plantings. This proposal is inclusive of all labor, material, and equipment required to perform as described below and as described in the Plan set and budget proposal provided by Ramsey County.

## Scope of Work

Installation of backyard raingarden as per plans provided by Ramsey County and Rice Creek Watershed. Work to included removal and reinstallation of 36sqf of paver sidewalk. All excavation and disposal of soils as per plan and plan notes. Installation of amended soils, double shredded hardwood mulch and plants as per plant schedule. Site restoration will be completed using Fescue Mix Seed and Futera Blanket.

## Project Assumptions and Out of Scope Items

Davey Resource Group Inc. assumes: Additional items outside the scope of work described above can be implemented by a Change Order signed by both the resident and Davey Resource Group.

Warranty: Plants are warranted for a 60 day period from time of planting.

**Material Estimate:**

Description of Service	Contract Type	Unit	Qty	Unit Price	Price
Mobilization	Firm-Fixed Unit Price ▾	LS	1	\$1,500.00	\$1,500.00
Sidewalk removal and reinstallation	Firm-Fixed Unit Price ▾	SQF	36	\$24.00	\$864.00
Sod removal, raingarden excavation and removal of existing stockpiled soils. Grading and soil loosening	Firm-Fixed Unit Price ▾	CY	15	\$75.00	\$1,125.00
Soil Amendment (80/20 Sand/Compost)	Firm-Fixed Unit Price ▾	CY	4.25	\$105.00	\$446.25
Double Shredded Hardwood Mulch 2.25 cy	Firm-Fixed Unit Price ▾	CY	2.25	\$100.00	\$225.00
Soil Disposal 11.25cy	Firm-Fixed Unit Price ▾	CY	11.25	\$55.00	\$618.75
96 - 2" Native Perennials	Firm-Fixed Unit Price ▾	Each	96	\$4.00	\$384.00
Deliveries	Firm-Fixed Unit Price ▾	Each	3	\$150.00	\$450.00
Site Restoration (Fescue Mix Turf Seed)	Firm-Fixed Unit Price ▾	Each	1	\$330.00	\$330.00
<b>Project Total</b>					<b>\$5,943.00</b>



Out Back Nursery & Landscaping  
 15280 110<sup>th</sup> Street South  
 Hastings, MN 55033

651-438-2771 ext.12  
 651-438-3816 fax  
 erik@outbacknursery.com

Attached Notes

**Proposal No. 3776**

**4.02.2024**

Ann Frisch  
 4887 Stewart Avenue  
 White Bear Lake, MN 55110  
 651-964-5738  
 afrisch09@gmail.com

**Back Yard**

**Site Prep**

Qty	Size	Name	Material	Labor
5	c.y.	Site Prep: Remove existing soil (from recent paver project by other contractor)		425.50
3	unit	¾" x 4" x 8' Plywood (protect existing brick walk)	171.73	170.20
1	load	Material Pickup		115.00
1	load	Hauling		172.50

**BMP Type : Raingarden - as per RCWD**

Qty	Size	Name	Material	Labor
11.25	c.y	Excavation/Grading/Soil Loosening		1,914.75
4.25	c.y.	Soil Amendment (80% Washed No.2 Sand; 20%MnDOT Grade II Compost)	253.58	723.35
2.5	c.y	Double Shredded Hardwood Mulch	100.63	255.30
96	3" pot	Native perennials See List	552.00	576.00
2	load	Hauling (excavated soil)		345.00
1	load	Delivery of Materials (plants & mulch)		172.50
1	load	Delivery of Materials (soil amendment)		172.50

**Native Perennials List-as per layout sheet RCWD**

ID	Qty	Latin Name	Common Name
C16	18	Carex pensylvanica	Penn Sedge
C17	18	Carex brevoir	Plains Oval Sedge or similar
F12	6	Monarda fistulosa	Bergamot
F28	6	Aquilegia canadensis	Columbine
F29	6	Veronicastrum virginicum	Culver's Root
F50	6	Pycnanthemum virginianum	Mountain Mint
F52	12	Allium cernuum	Nodding Onion
P6 1	8	Schizachyrium scoparium	Little Bluestem

**Project Total: \$6,120.54**

Payment Terms: 50% down payment with signed contract; balance due upon completion of work.

**MEMORANDUM**  
**Rice Creek Watershed District**



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**Date:** May 2<sup>nd</sup>, 2024  
**To:** RCWD Board of Managers  
**From:** Molly Nelson, Outreach and Grants Technician  
**Subject:** RCWD Water Quality Grant Program Application  
R24-06 Mason Rain Garden

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**Introduction**

R24-06 Mason Rain Garden

- Applicant: Brent Mason
- Location: 2660 South Shore Blvd, White Bear Lake
- Total Eligible Project Cost: \$6,807.00
- RCWD Grant Recommendation: \$5,105.25 (75%)

**Background**

This application proposes a rain garden project that is on a residential property in the City of White Bear Lake. The purpose of installing a rain garden is to collect the stormwater runoff from the property and street to treat/filter pollutants from the source while diverting the water to infiltrate into the ground. This project will help with water quality and volume control for stormwater runoff into White Bear Lake which is a 303(d) impaired water.

The Ramsey County Parks & Recreation Soil and Water Conservation Division (RCSWCD) created a design for the project and provided recommendations that have been included in the design. The project as proposed is designed to vegetate and increase ponding depth in a road-side swale. RCWD staff is comfortable with the design presented in this application. The total catchment area for the project is 158,989 square feet. The estimated pollutant reductions for the proposed project are: 13% reduction in volume (20,251 cu-ft/yr), 13% reduction in total suspended solids (TSS) (69 pounds/year), and a 13% reduction in total phosphorus (TP) (0.38 pounds/ year). The project location scored a value of 22 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained two bids for the project. The District will proceed with the lowest bid for the project upon approval of the application for cost-share.

- Minnesota Native Landscapes: \$7,754.00
- Davey Resource Group, Inc.: \$6,807.00

The project application was discussed at the CAC meeting on May 1st. The CAC was supportive of the project and recommended it as presented. Motion carried 9-0.

**Staff Recommendation**

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for R24-06 Mason Rain Garden.



**MEMORANDUM**  
**Rice Creek Watershed District**



**Request for Proposed Motion**

Manager \_\_\_\_\_ moves to authorize the Administrator, on advice of counsel, to approve the Water Quality Grant R24-06 Contract amount of \$5,105.25 not to exceed 75% of eligible project costs or up to \$7,500.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

**Attachments**

Water Quality Grant R24-06 application items.



**To:** RCWD Advisory Committee  
**From:** Nick Neylon: Environmental Resource Specialist  
**Date:** 4/19/2024  
**Re:** Mason Residence Cost Share Application

**Project:**

2660 South Shore Blvd  
 White Bear Lake, MN 55110  
 Raingarden

**Material & Labor Estimate:** \$6,807.00  
**Cost Share Request:** \$5,105.25

**Background:**

The proposed vegetated swale is located at a private residence in White Bear Lake. Currently, runoff from the street, residential hardscapes, and landscape flow into storm system. The vegetation will be added to an existing drainage swale, along with adding risers to the storm sewer intake, which will create ponding depth and volume reduction into the storm system.

The proposed project is to create a vegetated swale with ponding depth to collect runoff from roof and hardscape drainage, street, and adjacent landscape areas. Native plants will be used to retain soil and filter run off from the property. The project will intercept runoff headed towards storm drains, decreasing volume, TP and TSS from entering the storm system, which flows directly into White Bear Lake. It will also provide pollinator resources with a native planting.

Total catchment area treated by the proposed project is 158,989 square feet (3.65 acres). It is 43% impervious and includes roof, sidewalks, and turf grass.

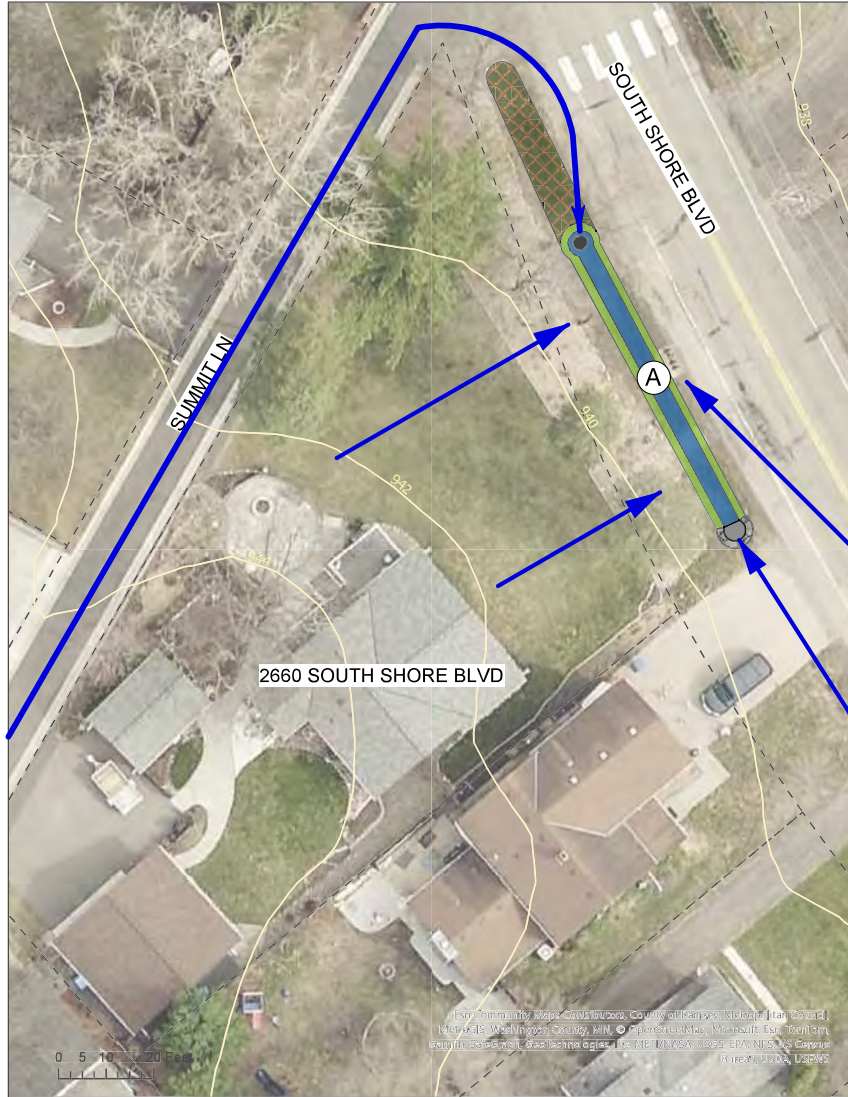
**Recommendation:**

It is my recommendation that this project be awarded cost share in the amount of \$5105.25 or 75% of project costs, whichever is less.

**Pollution Reductions:**

	<i>Before</i>	<i>After</i>	<i>Reduction</i>	<i>Red. %</i>
Volume (cu-ft/yr)	155,944	135,693	20,251	13%
TSS (lbs/yr)	531	462	69	13%
TP (lbs/yr)	2.93	2.55	0.38	13%

EXHIBIT A: Site Drainage



PROPOSED PROJECTS

ID	PROJECT TYPE	SIZE [SQ-FT]	COST ESTIMATE	ESTIMATED GRANT AWARD	AFFECTED WATER BODY	CLEAN WATER BENEFIT
A	RAINGARDEN	1740	\$7,000	\$5,250[75%]	WHITE BEAR LAKE	VOL./SEDIMENT/PHOSPHOROUS

LEGEND

	RAINGARDEN		NATIVE PLANTING
	WATER FLOW		CONTOUR LINE (2')

NOTES

CONCEPTUAL DRAWING FOR REFERENCE USE ONLY  
 \* DISCLAIMERS:  
 1. COST SHARE FUNDING UP TO 75%, CAPPED AT \$7,500 PER PROJECT  
 2. COSTS AND PERCENTAGES ARE ESTIMATES. FUNDING IS DEPENDENT ON APPROVAL BY THE RCWD BOARD OF SUPERVISORS

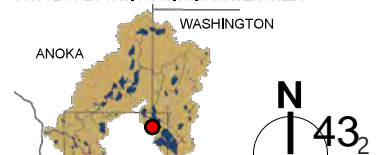


**CLEAN WATER PLAN**

**PROPERTY OWNER:**  
 MASON RESIDENCE  
**ADDRESS:**  
 2660 SOUTH SHORE BLVD  
 WHITE BEAR TOWNSHIP, MN 55110

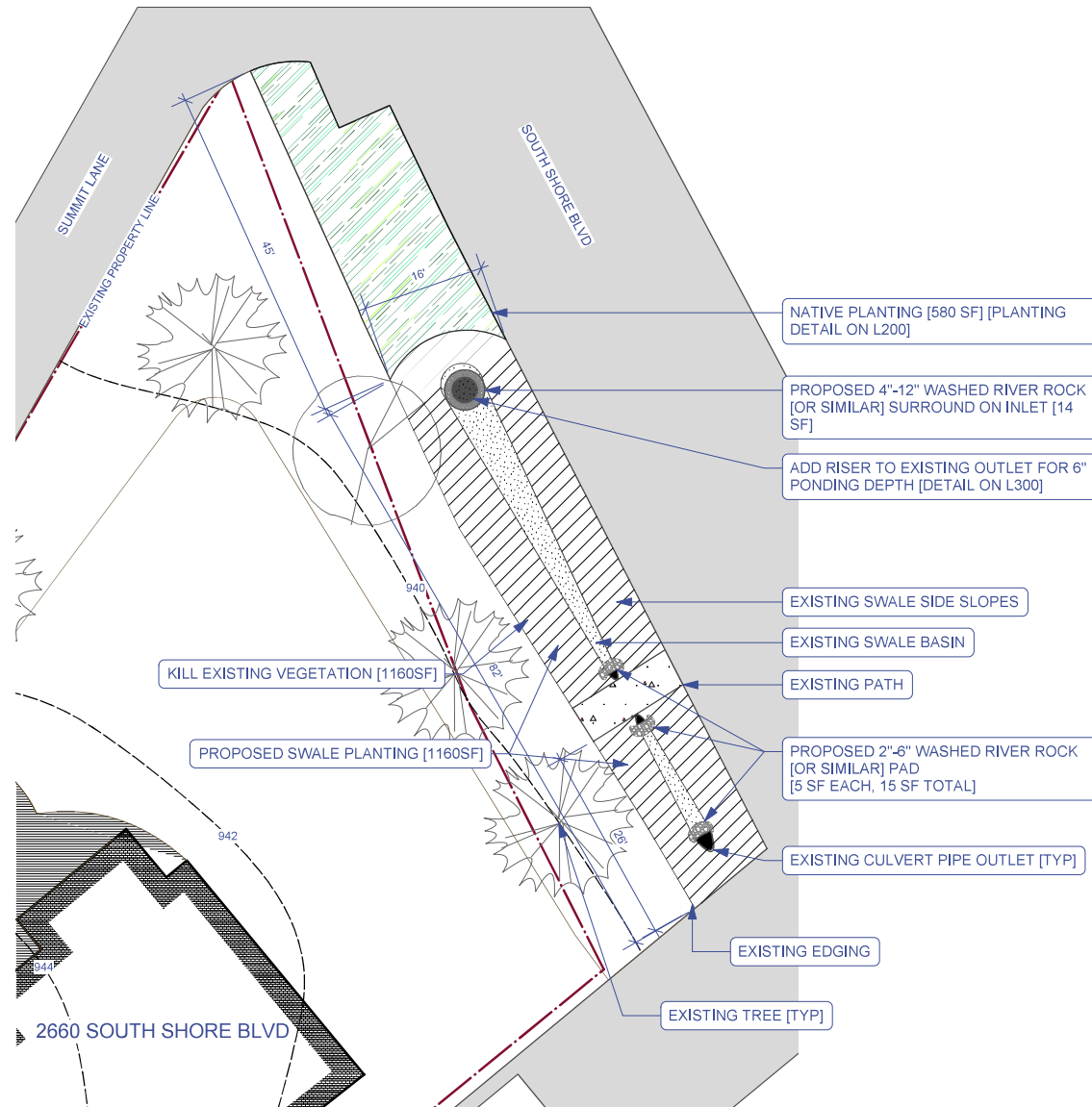
**DATE:** 02/27/2024  
**CLEAN WATER PLAN PROVIDED BY:**  
 RICE CREEK WATERSHED DISTRICT [RCWD] &  
 RAMSEY COUNTY SOIL & WATER  
 CONSERVATION DISTRICT [SCWD]


PROJECT LOCATION WITHIN WATERSHED:



**PROJECT NOTES:**

1. INSTALL RISER ON EXISTING INLET TO CREATE 6" PONDING DEPTH [DETAIL ON L300].
2. KILL TURF GRASS IN PROJECT AREA WITH 2 HERBICIDE APPLICATIONS, LEAVE DEAD GRASS IN PLACE FOR EROSION CONTROL.
3. INSTALL 3"-THICK TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE RAINGARDEN AND NATIVE PLANTING AREA, PLANT WITH NATIVE SPECIES [SEE PLANTING PLAN L200].
4. INSTALL 5 SF ROCK PAD AT CULVERT INLET/OUTLETS [15 SF TOTAL], INSTALL 4"-12" ROCK AROUND STORM DRAIN INLET [14 SF].
4. CONTRACTOR TO LOCATE UTILITIES PRIOR TO BEGINNING WORK AND SECURE ANY NECESSARY PERMITS.
5. CONTRACTOR TO PROVIDE ADEQUATE TEMPORARY PERIMETER & EROSION CONTROL MEASURES DURING ANY SOIL DISTURBANCE PERIODS.
6. CONTRACTOR TO VERIFY ANY REQUIRED CHANGES WITH RCSWCD PRIOR TO INSTALLATION. MAINTAIN SQUARE FEET AND PONDING DEPTH.
7. ELEVATIONS PROVIDED ARE APPROXIMATE, SITE VERIFY FINAL ELEVATIONS TO ENSURE PROPER PONDING DEPTH, OVERFLOW, ETC.






**RAMSEY COUNTY**

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

---

**PROJECT:** MASON RESIDENCE  
**LOCATION:**  
 2660 SOUTH SHORE BLVD  
 WHITE BEAR TOWNSHIP MN, 55110  
**WATERSHED DISTRICT:**  
 RICE CREEK WATERSHED DISTRICT



RCSWCD  
RICE CREEK WATERSHED DISTRICT


**DESIGNER:** NICK NEYLON  
**DATE:** 3/19/2024  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** BTO  
**TAA:**

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

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**SCALE:** 1/16"=1'-0" N

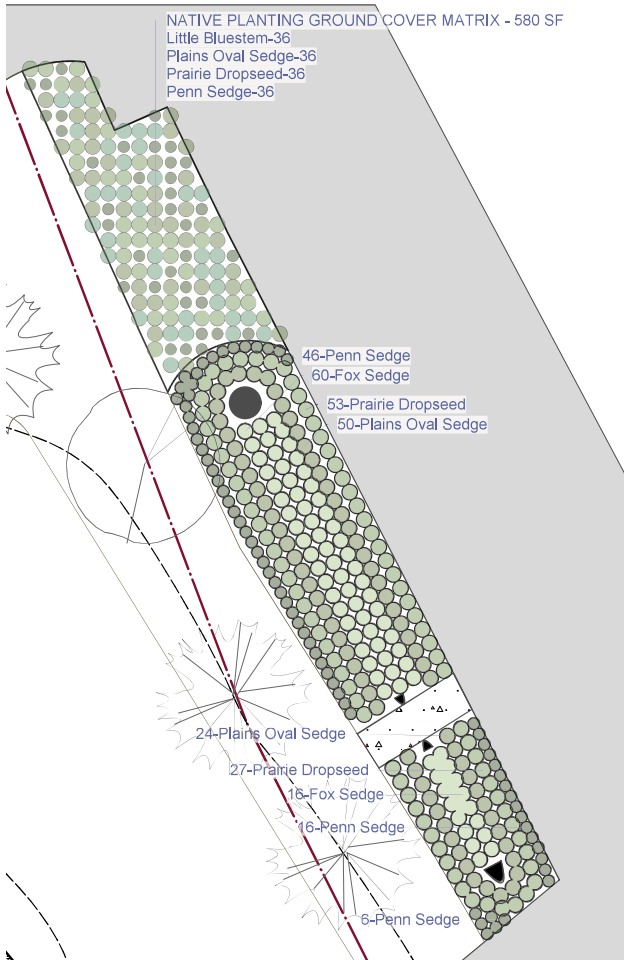


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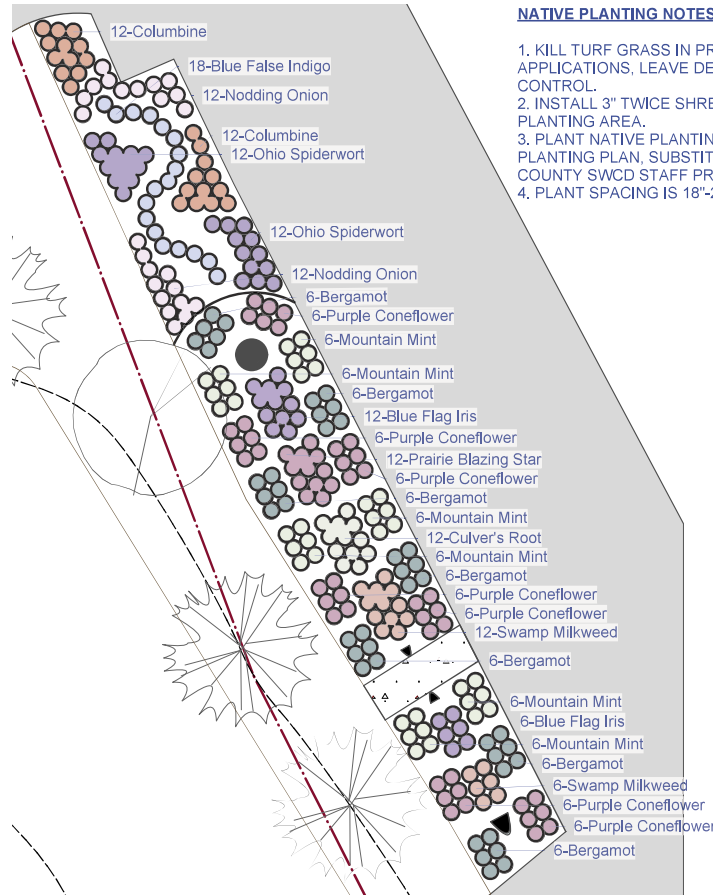
**SITE PLAN**

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**L100**



GROUND COVER PLANT SCHEDULE			
ID	Qty	Latin Name	Common Name
C16	104	Carex pensylvanica	Penn Sedge
C17	110	Carex brevoir	Plains Oval Sedge
C32	76	Carex vulpinoidea	Fox Sedge
G11	116	Sporobolus heterolepis	Prairie Dropseed
P6	36	Schizachyrium scoparium	Little Bluestem
	<b>442</b>	<b>TOTAL PLANTS</b>	



- NATIVE PLANTING NOTES:**
1. KILL TURF GRASS IN PROJECT AREA WITH 2 HERBICIDE APPLICATIONS, LEAVE DEAD GRASS IN PLACE FOR EROSION CONTROL.
  2. INSTALL 3" TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE PLANTING AREA.
  3. PLANT NATIVE PLANTING AREA WITH NATIVE SPECIES PER PLANTING PLAN, SUBSTITUTIONS TO BE APPROVED BY RAMSEY COUNTY SWCD STAFF PRIOR TO PURCHASE AND INSTALLATION.
  4. PLANT SPACING IS 18"-24", USE 2" PLUGS OR SIMILAR.

SEASONAL INTEREST PLANT SCHEDULE			
ID	Qty	Latin Name	Common Name
F12	42	Monarda fistulosa	Bergamot
F17	18	Iris versicolor	Blue Flag Iris
F28	24	Aquilegia canadensis	Columbine
F29	12	Veronicastrum virginicum	Culver's Root
F50	36	Pycnanthemum virginianum	Mountain Mint
F52	24	Allium cernuum	Nodding Onion
F57	12	Liatris pycnostachya	Prairie Blazing Star
F62	42	Echinacea purpurea	Purple Coneflower
F78	24	Tradescantia ohiensis	Ohio Spiderwort
F80	18	Asclepias incarnata	Swamp Milkweed
F109	18	Baptisia australis	Blue False Indigo
	<b>270</b>	<b>TOTAL PLANTS</b>	

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

---

**PROJECT:** MASON RESIDENCE  
**LOCATION:**  
2660 SOUTH SHORE BLVD  
WHITE BEAR TOWNSHIP MN, 55110  
**WATERSHED DISTRICT:**  
RICE CREEK WATERSHED DISTRICT

**RCWD**  
RICE CREEK WATERSHED DISTRICT

---

**DESIGNER:** NICK NEYLON  
**DATE:** 3/19/2024  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** BTO  
**TAA:**

---

**NOTES:**  
-ELEVATIONS ARE APPROXIMATE  
-UTILITY LOCATIONS ARE APPROXIMATE, CONFIRM LOCATIONS PRIOR TO WORK  
-CONTRACTOR ACQUIRE NECESSARY PERMITS PRIOR TO START  
-ORIGINAL SHEET SIZE: 11"x17"

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**SCALE:** 1/16"=1'-0" N

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**PLANTING PLAN**

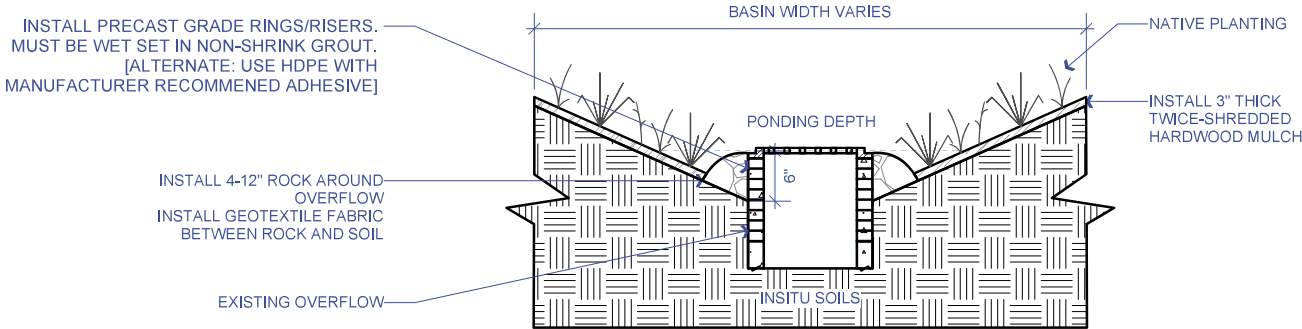
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**L200**

1

**OVERFLOW RISER DETAIL**

NOT TO SCALE



INSTALL PRECAST GRADE RINGS/RISERS. MUST BE WET SET IN NON-SHRINK GROUT. [ALTERNATE: USE HDPE WITH MANUFACTURER RECOMMENDED ADHESIVE]

INSTALL 4-12" ROCK AROUND OVERFLOW. INSTALL GEOTEXTILE FABRIC BETWEEN ROCK AND SOIL

EXISTING OVERFLOW

BASIN WIDTH VARIES

NATIVE PLANTING

INSTALL 3" THICK TWICE-SHREDDED HARDWOOD MULCH

PONDING DEPTH

6"

INSITU SOILS

- NOTES:**
1. ADD ROCK AT INLETS AND OUTLETS AS NECESSARY TO REDUCE SCOURING.
  3. GRADE RINGS, RISERS AND FRAME SHALL BE SET IN 3/4" NON-SHRINK GROUT, GROUT BETWEEN ALL JOINTS.
  4. ALL SURFACES MUST BE CLEAN OF DEBRIS AND DIRT, AND WETTED PRIOR TO GROUTING. GROUT SMOOTH INSIDE AND OUTSIDE SURFACES PRIOR TO BACKFILL.
  5. ALTERNATIVE TO CONCRETE RINGS IS TO USE HDPE MANHOLE ADJUSTING RINGS WITH MANUFACTURER RECOMMENDED ADHESIVES.



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

PROJECT: MASON RESIDENCE  
LOCATION:  
2660 SOUTH SHORE BLVD  
WHITE BEAR TOWNSHIP MN, 55110



DESIGNER: NICK NEYLON  
DATE: 3/19/2024  
REVISION:  
REVISION:  
REVISION:  
CHECKED BY: BTO  
TAA:

NOTES:  
-CALL GOPHER ONE TO MARK UTILITIES BEFORE DIGGING  
-ORIGINAL SHEET SIZE: 11"x17"

SCALE:

SITE DETAILS

L300

ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

Mason Residence  
 2660 South Shore Blvd  
 White Bear Township, MN 55110  
 BMP Type: Vegetated Swale and Native Planting  
 Number of BMPs: 1 of 1

County: Ramsey  
 Date: 19-Mar-24

INSTALLED MATERIALS & LABOR - VEGETATED SWALE AND NATIVE PLANTING

Item	Qty	Unit	Unit Cost	Amount
Catch Basin Adjustment	1.00	EA	\$ 2,000.00	\$ 2,000.00
Turf Grass/Vegetation Removal & Planting Bed Prep (turf grass, etc.) [1-2 herbicide applications minimum]	1740.00	SF	\$ 1.00	\$ 1,740.00
Twice Shredded Hardwood Mulch (MnDot Type 6 Mulch)	16.00	CY	\$ 100.00	\$ 1,600.00
Aggregate: River Rock (Clean, washed (4-12") or equivalent)	0.33	TON	\$ 165.00	\$ 54.45
Aggregate: River Rock (Clean, washed (2-6") or equivalent)	0.33	TON	\$ 145.00	\$ 47.85
Geotex 401 (or Mirfani 140N: Non-woven geotextile, or equal)	30.00	SF	\$ 2.45	\$ 73.50
Native Perennial: 2" Plug; or equivalent	712.00	EA	\$ 6.25	\$ 4,450.00
Deliveries	1.00	LS	\$ 550.00	\$ 550.00
Mobilization	1.00	LS	\$ 1,500.00	\$ 1,500.00
			Subtotal	\$ 12,015.80

INSTALLED MATERIALS & LABOR - ADDITIONAL ITEMS AS NECESSARY

\$	-
\$	-
\$	-
\$	-
\$	-
Subtotal	\$ -

PROJECT TOTAL

Project Estimate	\$	12,015.80
-10%	\$	10,814.22
+10%	\$	13,217.38
Estimated WD/WMO Grant Award:		\$7,500.00
Estimated RCPR Grant Award:		\$0.00
Potential Grant Award Total:		\$7,500.00
Estimated Landowner Cost:		\$4,515.80

Soil & Water Conservation Division  
 2015 Van Dyke Street  
 Maplewood, MN 55109  
[www.ramseycounty.us](http://www.ramseycounty.us)

# Proposal



**MNL (Minnesota Native Landscapes)**  
 8740 - 77th Street NE  
 Otsego, MN 55362  
 763-295-0010  
[info@MNLcorp.com](mailto:info@MNLcorp.com)  
[www.MNLcorp.com](http://www.MNLcorp.com)

**Brent Mason**  
 2660 South Shore Blvd  
 White Bear Lake, MN 55110  
 Brent Mason  
 651-307-5082      bcmason77@gmail.com

**Prepared by:** Chelsea Bratvold  
**MNL Division:** Construction  
**Quotation Date:** 4/17/2024

**Project Name:** Mason Residence Rain Garden  
**Project Location:** 2660 South Shore Blvd, White Bear Lake, MN

Category	Description	Qty.	Unit	Unit Price	Total
Miscellaneous	Catch Basin Adjustment	1	EACH	\$ 650.00	\$ 650.00
Site Prep	Turf Grass/Vegetation Removal and Planting Bed Prep (1,740SF)	1	LS	\$ 900.00	\$ 900.00
Landscaping	Twice Shredded Hardwood Mulch Installation	16	CY	\$ 75.00	\$ 1,200.00
Landscaping	Aggregate: River Rock (4-12")	0.33	TON	\$ 150.00	\$ 49.50
Landscaping	Aggregate: River Rock ("2-6")	0.33	TON	\$ 150.00	\$ 49.50
Landscaping	Geotextile Installation	30	SF	\$ 1.50	\$ 45.00
Live Plant Installation	Native Perennials: 2" Plug	712	EACH	\$ 5.00	\$ 3,560.00
Miscellaneous	Deliveries	1	LS	\$ 400.00	\$ 400.00
Mobilization	Mobilization of Crew and Equipment to Site	1	LS	\$ 900.00	\$ 900.00
<b>Optional Establishment Maintenance</b>					
Veg Management	2024 Establishment Maintenance: Includes 3 visits for weed management.	1	LS	\$ 1,650.00	\$ -
Veg Management	2025 Establishment Maintenance: Includes 3 visits for weed management.	1	LS	\$ 1,700.00	\$ -
Veg Management	2026 Establishment Maintenance: Includes 3 visits for weed management.	1	LS	\$ 1,751.00	\$ -

**Project Notes:**

Pricing does not include any applicable sales tax.  
 Pricing assumes the project area is as shown on the attached map/plan.  
 Pricing based upon plans, designs, &/or specs. provided to MNL by others.  
 MNL is not liable for project delays due to situations beyond our control.  
 Pricing assumes access and parking for crew and equipment.  
 Pricing does not include any permits.

<b>Grand Total</b>	<b>\$ 7,754.00</b>
--------------------	--------------------

**Pricing good for:** 30 Days  
**Terms:** 30 Days Net Invoice

**Accepted by:**

**Provided by:**

Chelsea Bratvold

**Date:** 4/17/2024

**Heal the Earth**





Local Office  
1196 7th St. East  
St. Paul, MN 55106

April 1, 2024

**Brent Mason**

2660 South Shore Blvd  
White Bear Lake, MN 55110

**RE: Backyard Raingarden**

Dear Brent,

Thank you for contacting Davey Resource Group, Inc. "DRG " to provide you with this proposal for your backyard raingarden and plantings. This proposal is inclusive of all labor, material, and equipment required to perform as described below and as described in the Plan set and budget proposal provided by Ramsey County.

## Scope of Work

Installation of boulevard raingarden as per plans provided by Ramsey County and Rice Creek Watershed. Work included raising of the exciting catch basin by adding 3 - 2" adjusting rings. Spray turf and leave in place as erosion control. Install river rock, mulch and plantings as per plan.

## Project Assumptions and Out of Scope Items

- Davey Resource Group Inc. assumes: Additional items outside the scope of work described above can be implemented by a Change Order signed by both the resident and Davey Resource Group.
- Warranty: Plants are warranted for a 60 day period from time of planting.

## Material Estimate:

Description of Service	Contract Type	Unit	Qty	Unit Price	Price
Mobilization	Firm-Fixed Unit Price ▾	LS	1	\$1,500.00	\$1,500.00
Spray Turf Area with Non-Selective Herbicide	Firm-Fixed Unit Price ▾	SQF	1,740	.15	\$261.00
Adjust Catch Basin	Firm-Fixed Unit Price ▾	LS	1	\$350.00	\$350.00
Double Shredded Hardwood	Firm-Fixed Unit Price ▾	CY	16	\$95.00	\$1,520.00
4" to 12" River Rock	Firm-Fixed Unit Price ▾	Ton	.33	\$750.00	\$250.00
2" to 6" River Rock	Firm-Fixed Unit Price ▾	Ton	.33	\$750.00	\$250.00
Geotex 401	Firm-Fixed Unit Price ▾	SQF	30	\$3.00	\$90.00
2" Native Perennials	Firm-Fixed Unit Price ▾	Each	712	\$3.00	\$2,136.00
Deliveries	Firm-Fixed Unit Price ▾	Each	3	\$150.00	\$450.00
<b>Project Total</b>					<b>\$6,807.00</b>

This proposal can be implemented by either issuing a purchase order, or by signing the Authorization to Proceed below and returning to our office. Please feel free to only choose the line items for the work you would like DRG to perform at this time.

If you have any questions or wish to arrange for a meeting to discuss this scope of work and more specifically the treatment methods and areas, please call me at 651-202-3662. Thank you for allowing DRG the opportunity to work with you.

Sincerely,



**Chuck Hanna**

**Principal Consultant**

Davey Resource Group, Inc.

[www.daveyresourcegroup.com](http://www.daveyresourcegroup.com)

# AUTHORIZATION TO PROCEED

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By signing this form, I do hereby acknowledge acceptance of the scope of work and associated fee, as well as the terms and conditions and limited warranty contained herein. Furthermore, my signature authorizes the work to be performed effective the date of my signature and denotes that I am an authorized representative of the Client with authority to authorize and bind my company.

Client Name:

Authorizing Signature: \_\_\_\_\_

Authorizing Name:

Title:

Date:

Phone Number:

Email:

**Davey Resource Group, Inc.**

Name/Title: \_\_\_\_\_

Date:



**MEMORANDUM**  
**Rice Creek Watershed District**

**Date:** May 2nd, 2022  
**To:** RCWD Board of Managers  
**From:** Molly Nelson, Outreach & Grants Technician  
**Subject:** R24-07 Timm Shoreline Stabilization & Restoration  
RCWD Water Quality Grant Program Application

**Introduction**

R24-07 Timm Shoreline Stabilization & Restoration Re-application

- Applicant: Mike Timm
- Location: 5210 Bald Eagle Blvd E, White Bear Township
- Total Eligible Project Cost: \$17,915.50
- RCWD Grant Recommendations: \$7,500.00 (50%)

**Background**

This re-application proposes a shoreline stabilization and restoration project on approximately 60 linear feet of shoreline located on Bald Eagle Lake. The shoreline consists of bare ground and extensive erosion discharging sediment into the lake. The project qualifies for a Water Quality Grant based on project screening form score of 17.

The Ramsey County Parks and Recreation Soil and Water Conservation Division (SWCD) provided a design for the project stabilize the shoreline with riprap rock to the existing riprap to prevent erosion and stabilize the 575 square feet of project area. Additional native plantings will be added within the riprap for an extended buffer to reduce sediment erosion and filter stormwater runoff that enters the lake. The total catchment area treated after project completion will be 4,322 square feet. The estimated pollutant reductions are as follows: a 69% reduction in volume (4,387 cubic feet), a 100% reduction in TSS (194.2 lbs), and a 100% reduction in TP (0.2941 lbs). Reducing 0.2941 lbs. of phosphorus per year will reduce approximately 194.2 lbs. of algae growth from Bald Eagle Lake each year.

The applicant obtained two bids for the project:

- Shoreline Landscaping: \$18,924.00
- White Bear Lawn and snow: \$17,915.50

The White Bear Lawn and Snow bid is lower than Ramsey SWCD's cost estimate of \$22,123.00, and the District is confident in the value of this bid. Based on adopted Water Quality Grant Program guidelines, the proposed shoreline stabilization and restoration project qualifies for 50% cost-share of the total eligible project cost, not to exceed \$7,500.00.

The project original application was discussed at the CAC meeting on August 3<sup>rd</sup>, 2022. The CAC was supportive of the project and recommended it as presented. Motion carried 8-0. Due to scheduling issues, the applicant request a re-application to complete the project in 2024.

**Staff Recommendation**

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for R24-07 Timm Shoreline Stabilization and Restoration.



**MEMORANDUM**  
**Rice Creek Watershed District**

**Proposed Motion**

It was moved by Manager \_\_\_\_\_ to approve the Water Quality Grant Contract R24-07 of \$7,500.00 (50%) not to exceed \$7,500.00 of eligible project expenses as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

**Attachments**

R24-07 Application items.



**To:** RCWD Advisory Committee  
**From:** Nick Neylon: Environmental Resource Specialist  
**Date:** 19-July-2022  
**Re:** Timm Cost Share Application

**Project:**

5210 Bald Eagle Blvd E  
 White Bear Township, MN 55110  
 Shoreline Stabilization & Restoration

**Material & Labor Estimate:** \$22,123.00  
**Cost Share Request:** \$7,500.00

**Background:**

The proposed shoreline stabilization and restoration is located at a residential property on Bald Eagle Lake. Currently, the shoreline has bare ground to an ice heave and lawn with erosion occurring along the entire span of shoreline. The current shoreline has no rock or plantings causing the eroding the bank which is susceptible to larger erosion in the future, and lacks any natural lake edge function or habitat.

The proposed project is to add rip rap rock to properly slope the shoreline to prevent further erosion and provide stabilization. There will be some re-grading above the rip rap and installation of an erosion control blanket on all the planting areas. Native plants will be used to retain soil and filter run off from the road and lawn of the property. The project will stabilize the shoreline and create a buffer planting to stop sediment eroding into the lake, and filter the stormwater runoff from the property.

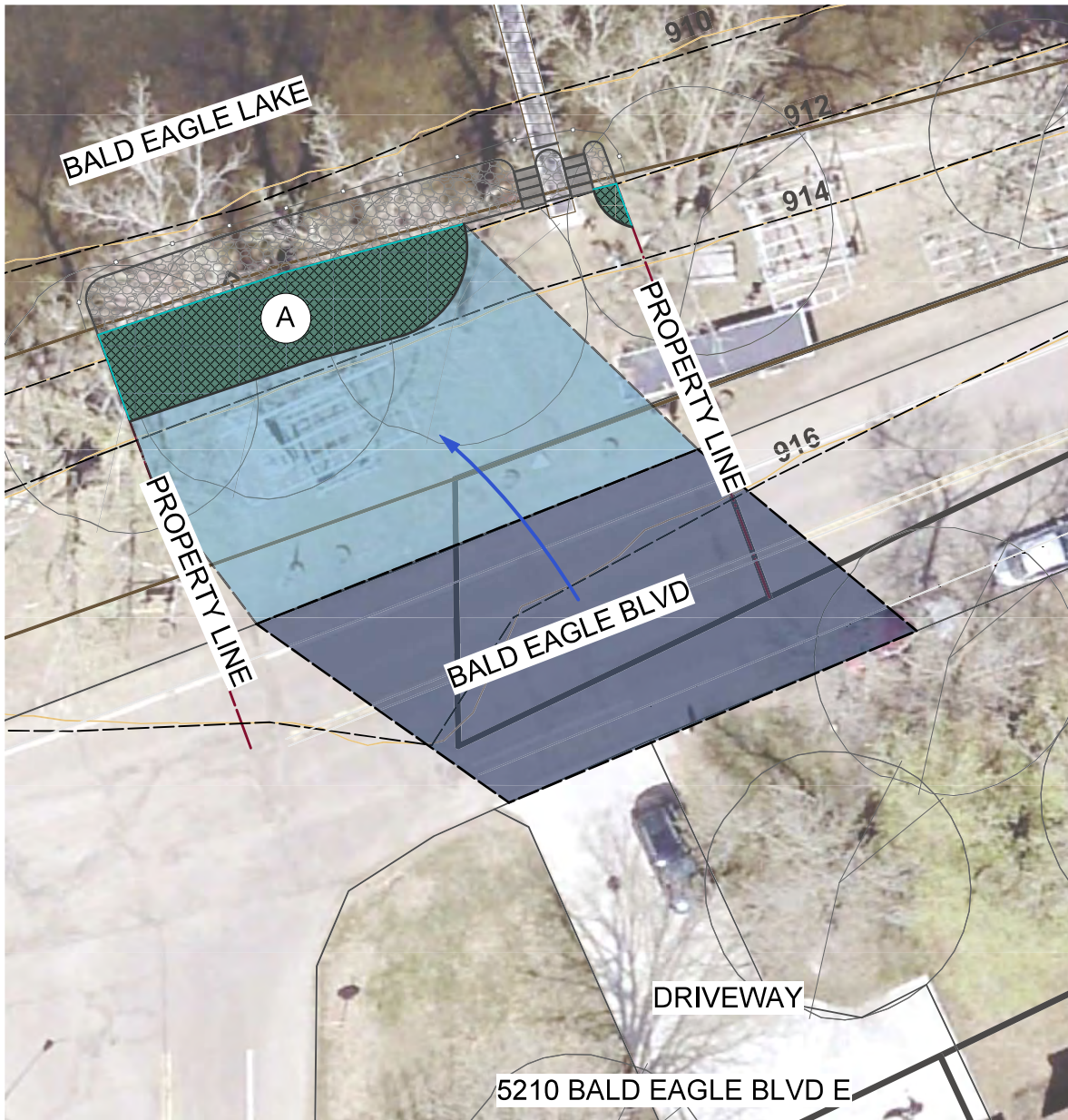
Total catchment area treated by the proposed project is 4,322 square feet (0.10 acres). It is 53% turf grass and bare soil and 47% impervious. Once established, this shoreline will greatly reduce the erosion of the shoreline, as well as filter runoff from the site before it enters Bald Eagle Lake. It also will provide pollinator habitat and create a healthy and functioning lake edge environment.

**Recommendation:**

It is my recommendation that this project be awarded cost share in the amount of \$7,500.00 or 50% of the eligible project costs, whichever is less.

**Pollution Reductions:**

	<i><b>Before</b></i>	<i><b>After</b></i>	<i><b>Reduction</b></i>	<i><b>Red. %</b></i>
Volume (cu-ft/yr)	6,522	2,133	4,387	69%
TSS (lbs/yr)	119.5	0.00	119.5	100%
TP (lbs/yr)	0.2941	0.00	0.2941	100%








**PROPOSED PROJECTS**

ID	PROJECT TYPE	SIZE [SQ-FT]	COST ESTIMATE	ESTIMATED GRANT AWARD	AFFECTED WATER BODY	CLEAN WATER BENEFIT
A	SHORELINE	575	\$22,600	\$7,500 [MAX]	BALD EAGLE LAKE	SEDIMENT/PHOSPHOROUS

60 LINEAR FEET OF SHORELINE

**LEGEND**

	SHORELINE PLANTS		LANDSCAPE RUNOFF		ROAD RUNOFF
	WATER FLOW		CONTOUR LINE (2')		

**NOTES**

CONCEPTUAL DRAWING FOR REFERENCE USE ONLY  
 \* DISCLAIMERS:  
 1. COST SHARE FUNDING UP TO 75%, CAPPED AT \$7,500 PER PROJECT  
 2. COSTS AND PERCENTAGES ARE ESTIMATES. FUNDING IS DEPENDENT ON APPROVAL BY THE RCWD BOARD OF SUPERVISORS

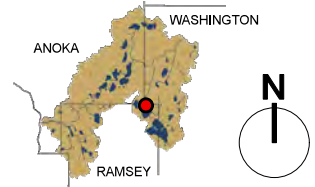


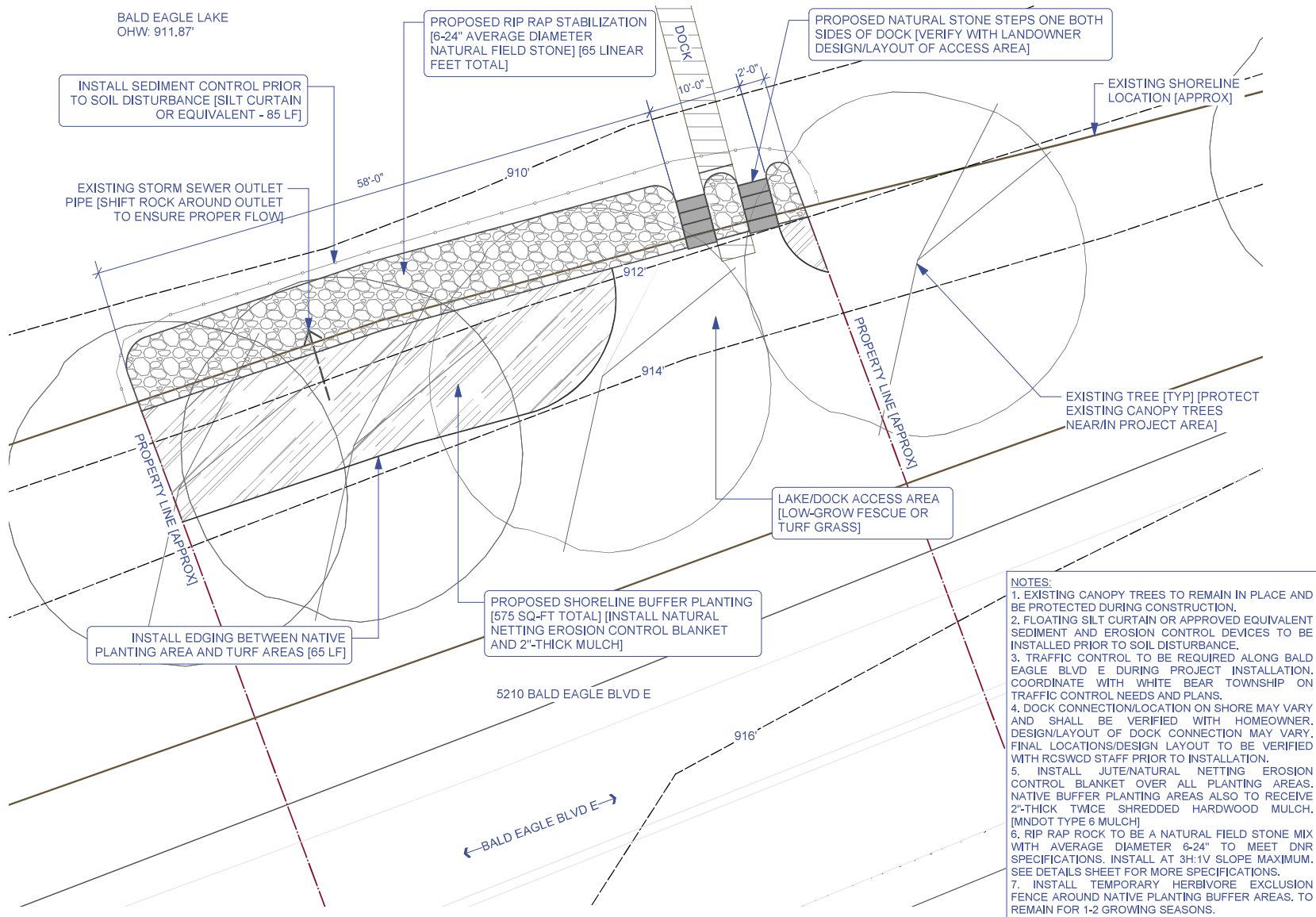
**CLEAN WATER PLAN**

**PROPERTY OWNER:**  
 MIKE TIMM  
**ADDRESS**  
 5210 BALD EAGLE BLVD E  
 WHITE BEAR TOWNSHIP, MN 55110

**DATE:** 07/19/2022  
**CLEAN WATER PLAN PROVIDED BY:**  
 RICE CREEK WATERSHED DISTRICT [RCWD]  
 & RAMSEY COUNTY SOIL & WATER  
 CONSERVATION DIVISION


PROJECT LOCATION WITHIN WATERSHED:





**NOTES:**

1. EXISTING CANOPY TREES TO REMAIN IN PLACE AND BE PROTECTED DURING CONSTRUCTION.
2. FLOATING SILT CURTAIN OR APPROVED EQUIVALENT SEDIMENT AND EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO SOIL DISTURBANCE.
3. TRAFFIC CONTROL TO BE REQUIRED ALONG BALD EAGLE BLVD E DURING PROJECT INSTALLATION. COORDINATE WITH WHITE BEAR TOWNSHIP ON TRAFFIC CONTROL NEEDS AND PLANS.
4. DOCK CONNECTION/LOCATION ON SHORE MAY VARY AND SHALL BE VERIFIED WITH HOMEOWNER. DESIGN/LAYOUT OF DOCK CONNECTION MAY VARY. FINAL LOCATIONS/DESIGN LAYOUT TO BE VERIFIED WITH RCSWCD STAFF PRIOR TO INSTALLATION.
5. INSTALL JUTE/NATURAL NETTING EROSION CONTROL BLANKET OVER ALL PLANTING AREAS. NATIVE BUFFER PLANTING AREAS ALSO TO RECEIVE 2"-THICK TWICE SHREDDED HARDWOOD MULCH. [MNDOT TYPE 6 MULCH]
6. RIP RAP ROCK TO BE A NATURAL FIELD STONE MIX WITH AVERAGE DIAMETER 6-24" TO MEET DNR SPECIFICATIONS. INSTALL AT 3H:1V SLOPE MAXIMUM. SEE DETAILS SHEET FOR MORE SPECIFICATIONS.
7. INSTALL TEMPORARY HERBIVORE EXCLUSION FENCE AROUND NATIVE PLANTING BUFFER AREAS. TO REMAIN FOR 1-2 GROWING SEASONS.




**RAMSEY COUNTY**

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

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**PROJECT:** TIMM RESIDENCE  
**LOCATION:** 5210 BALD EAGLE BLVD E  
 WHITE BEAR TOWNSHIP, MN 55110  
**WATERSHED DISTRICT:** RICE CREEK WATERSHED DISTRICT



**RCSWCD**  
RICE CREEK WATERSHED DISTRICT

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**DESIGNER:** BTO  
**DATE:** 4/25/2022  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** JL  
**TAA:**

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**NOTES:**

- CONTACT GOPHER STATE ONE CALL TO CONFIRM UTILITY LOCATIONS
- CONTRACTOR TO STAKE OUT OHW LINE PRIOR TO BEGINNING WORK
- INSTALL SEDIMENT CONTROL DEVICES PRIOR TO SOIL DISTURBANCE
- VERIFY ANY BID ALTERNATES OR ONSITE CHANGES WITH SWCD STAFF PRIOR TO INSTALLATION
- PLANT PERENNIALS 24" O.C.
- PLANT SHRUBS 36" O.C.
- ORIGINAL SHEET SIZE: 11"x17"

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**SCALE:** 1"=10'-0" N  
↑

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**SITE PLAN**

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**L100**





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

PROJECT: TIMM RESIDENCE  
 LOCATION:  
 5210 BALD EAGLE BLVD E  
 WHITE BEAR TOWNSHIP, MN 55110



DESIGNER: BTO  
 DATE: 4/25/2022  
 REVISION:  
 REVISION:  
 REVISION:  
 REVISION:  
 CHECKED BY: JL  
 TAA:

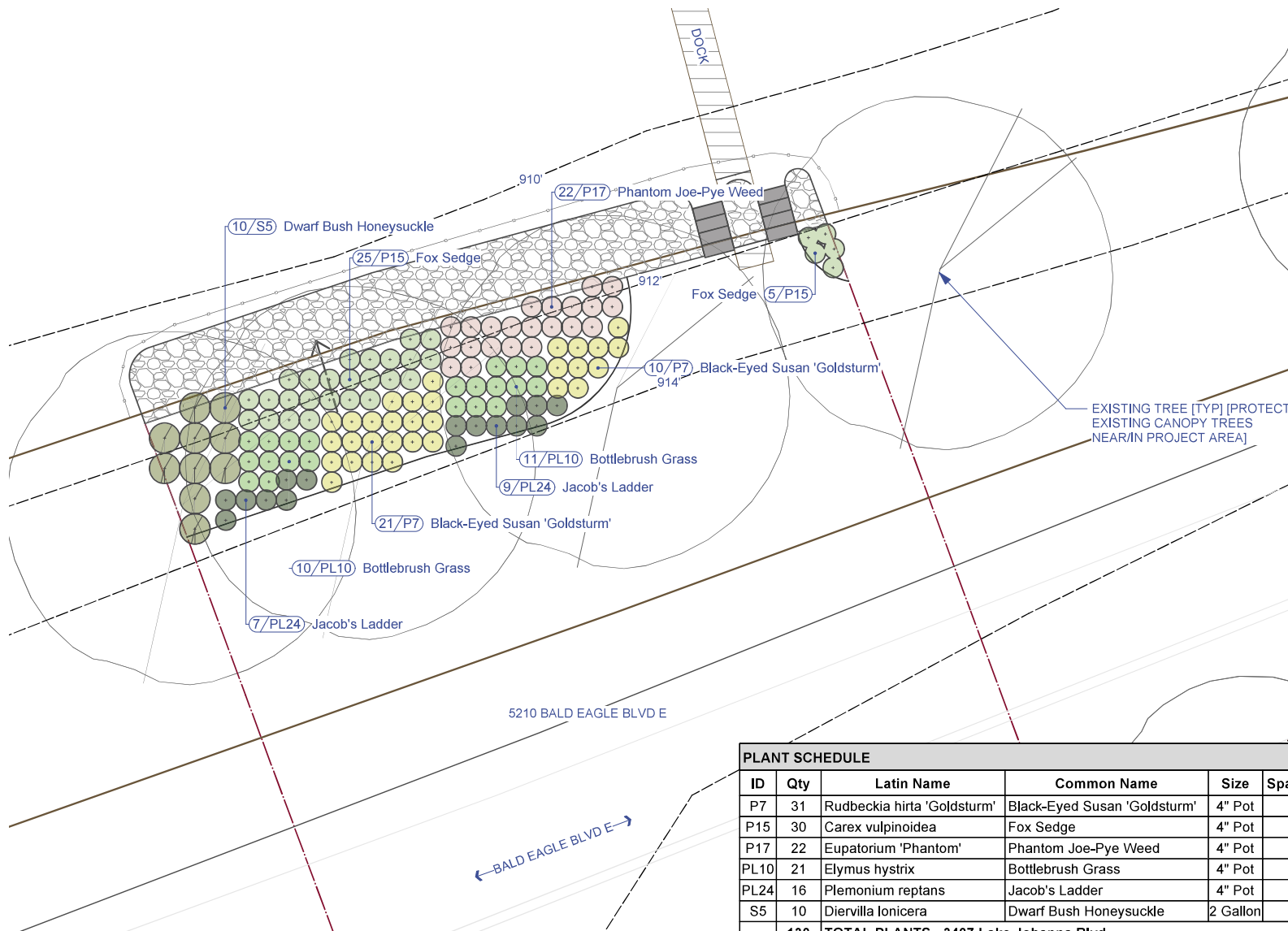
NOTES:  
 -CALL GOPHER ONE TO MARK UTILITIES BEFORE DIGGING  
 -PLANT PERENNIALS 24" O.C.  
 -PLANT SHRUBS 36" O.C.  
 [SEE PLANT SCHEDULE]  
 [PLANT LOCATION MAY VARY]  
 -PLANT SUBSTITUTIONS MUST BE APPROVED BY RCD STAFF  
 -ORIGINAL SHEET SIZE: 11"x17"

SCALE: 1"=10'-0"



PLANTING PLAN

L200

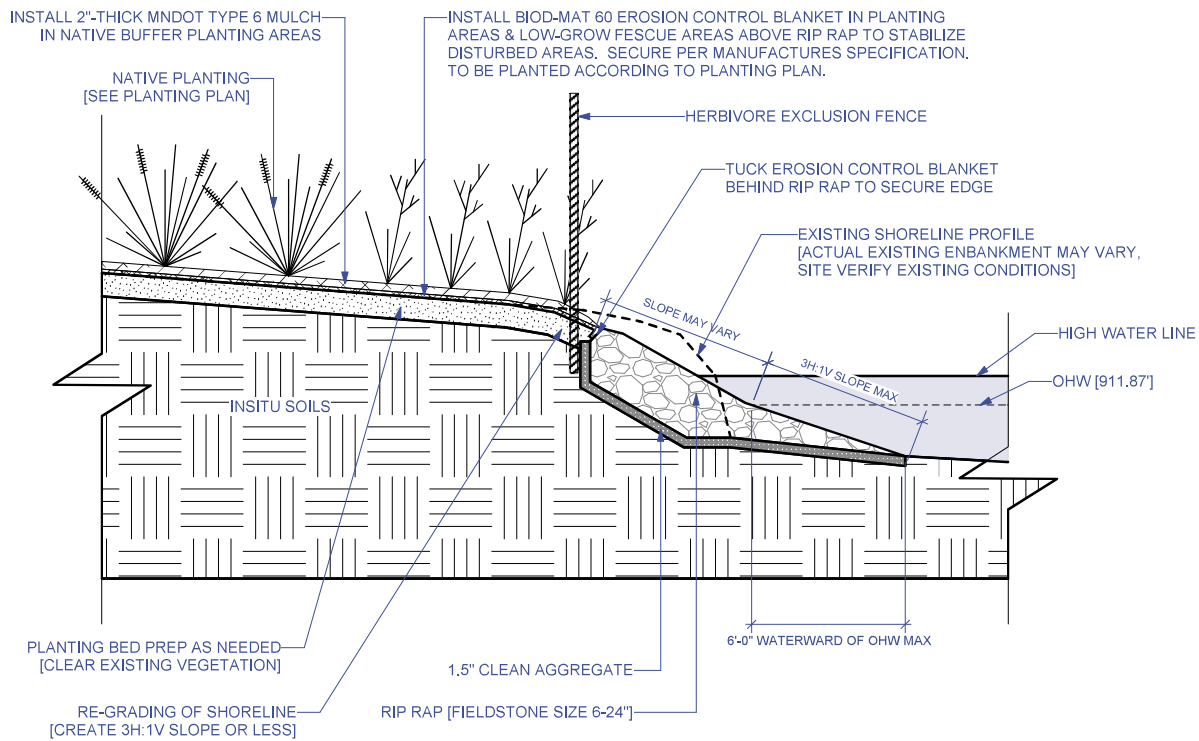



PLANT SCHEDULE					
ID	Qty	Latin Name	Common Name	Size	Spacing (ft)
P7	31	Rudbeckia hirta 'Goldsturm'	Black-Eyed Susan 'Goldsturm'	4" Pot	2
P15	30	Carex vulpinoidea	Fox Sedge	4" Pot	2
P17	22	Eupatorium 'Phantom'	Phantom Joe-Pye Weed	4" Pot	2
PL10	21	Elymus hystrix	Bottlebrush Grass	4" Pot	2
PL24	16	Plemonium reptans	Jacob's Ladder	4" Pot	2
S5	10	Diervilla lonicera	Dwarf Bush Honeysuckle	2 Gallon	3
	130	<b>TOTAL PLANTS - 3407 Lake Johanna Blvd</b>			

NOTES:

1. RIP RAP TO BE 6-24" NATURAL FIELDSTONE ROCK, SIZE MAY VARY, VERIFY SIZING OPTIONS WITH RAMSEY COUNTY STAFF.
2. RIP RAP SLOPE NOT TO EXCEED 3H:1V WATERWARD OF THE OHW. [FOLLOW NATURAL SHORE ALIGNMENT]
3. THE LARGEST ROCK OF THE RIP RAP SHOULD BE PLACED OVER THE TOE AND END TO ANCHOR THE INSTALLATION. DUMPED ROCK WILL BEST ADJUST ITSELF TO AN UNEVEN AREA. HAND PLACED ROCK IS EASILY DISRUPTED.
4. INSTALL FILTER/SETTING BED OF 1.5" CLEAN WASHED AGGREGATE [DO NOT USE LANDSCAPE FABRIC]
5. RE-GRADE SHORELINE BANK AND AREA ABOVE RIP RAP. [3H:1V SLOPE MAX] INSTALL BIOD-MAT 60 EROSION CONTROL BLANKET OR EQUIVALENT ON ALL PLANTING AREAS AND IN SEEDED LOW-GROW FESCUE AREAS. PLANT BUFFER AREAS WITH NATIVE SPECIES PER PLANTING PLANS.
6. INSTALL 2"-THICK TWICE SHREDDED HARDWOOD MULCH OVER ALL NATIVE PLANTING BUFFER AREAS.
7. THE RIP RAP MUST BE NO MORE THAN 6 FEET WATERWARD OF THE ORDINARY HIGH WATER LEVEL.
8. HERBIVORE EXCLUSION FENCE TO BE INSTALLED AROUND ENTIRE PERIMETER OF NATIVE PLANTING. EXCLUSION FENCE TO REMAIN IN PLACE FOR 1-2 FULL GROWING SEASONS TO ALLOW PLANTS TO ESTABLISH.
9. INSTALL FLOATING SILT CURTAIN OR APPROVED EQUIVALENT SEDIMENT AND EROSION CONTROL ON WATERWARD SIDE OF PROJECT PRIOR TO SOIL DISTURBANCE.
10. TRAFFIC CONTROL WILL BE REQUIRED BALD EAGLE BLVD E DURING INSTALLATION. COORDINATE WITH THE WHITE BEAR TOWNSHIP ON TRAFFIC CONTROL PLANS AND PROJECT SCHEDULE. (651-747-2750)


1 RIP RAP SHORELINE CROSS-SECTION [TYP]  
Scale: 3/8" = 1'-0"





**RAMSEY COUNTY SWCD**  
2015 VAN DYKE STREET  
MAPLEWOOD, MN 55109  
651-266-7280  
[www.ramseycounty.us](http://www.ramseycounty.us)

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**PROJECT:** TIMM RESIDENCE  
**LOCATION:** 5210 BALD EAGLE BLVD E  
WHITE BEAR TOWNSHIP, MN 55110  
**WATERSHED DISTRICT:** RICE CREEK WATERSHED DISTRICT  


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**DESIGNER:** BTO  
**DATE:** 4/25/2022  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** JL  
**TAA:**

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**NOTES:**  
 -CONTACT GOPHER STATE ONE CALL TO CONFIRM UTILITY LOCATIONS PRIOR TO WORK  
 -SUBSTITUTIONS TO CONSTRUCTION DESIGN AND MATERIALS MUST BE APPROVED PRIOR TO INSTALLATION  
 -ORIGINAL SHEET SIZE: 11"x17"

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**SCALE:**

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**SITE DETAILS**

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**L300**

ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

Mike Timm  
 5210 Bald Eagle Blvd E  
 White Bear Township, MN 55110  
 BMP Type: Shoreline Stabilization and Restoration  
 Number of BMPs: 1

County: Ramsey  
 Date: 26-Apr-22

INSTALLED MATERIALS

Item	Qty	Unit	Unit Cost	Amount
Rip Rap Rock: Natural Fieldstone Boulder (6"-24" average diameter mix)	30.00	TON	\$ 200.00	\$ 6,000.00
Filter Bed Rock: Clear Rock- 1-1/2"	15.00	TON	\$ 190.00	\$ 2,850.00
EC Blanket: CM4000, Bio D Mat 60, Cocomat 600, or equal (6.5' x 165') [biodegradable stakes]	575.00	SF	\$ 3.50	\$ 2,012.50
2"-Thick Twice Shredded Hardwood Mulch (MnDOT Type 6)	3.50	CY	\$ 95.00	\$ 332.50
Sediment Control - Silt Curtain or approved equivalent	85.00	LF	\$ 15.00	\$ 1,275.00
Native Plant: 4" Pot or approved equivalent	120.00	EACH	\$ 18.00	\$ 2,160.00
Native Shrub: #2 Cont. or approved equivalent	10.00	EACH	\$ 55.00	\$ 550.00
Herbivore Exclusion Fence (4' vinyl-coated wire; T-Posts 10' O.C.)	134.00	LF	\$ 4.50	\$ 603.00
Site Restoration (repair any turf damage to landscape outside project area)	1.00	LS	\$ 750.00	\$ 750.00
Mobilization	1.00	LS	\$ 1,200.00	\$ 1,200.00
Site Prep, Existing Vegetation Removal (removal of existing vegetation/turf grass in planting areas)	1.00	LS	\$ 1,100.00	\$ 1,100.00
Deliveries	3.00	EACH	\$ 225.00	\$ 675.00
Grading (shoreline shaping)	6.00	LS	\$ 275.00	\$ 1,650.00
Disposal / Soil Haul-away (material from clearing vegetation and grading)	7.00	CY	\$ 45.00	\$ 315.00
Traffic Control - as required	1.00	LS	\$ 650.00	\$ 650.00
			Subtotal	\$ 22,123.00

ADD/DEDUCT BID ITEMS (AS NECESSARY)

1] <u>NOT COST-SHARE ELIGIBLE</u> : Natural Stone Steps near dock - verify pricing/design with landowner and bid separately				
2]	\$	-	\$	-
3]	\$	-	\$	-
4]	\$	-	\$	-
5]	\$	-	\$	-
6]	\$	-	\$	-
			Subtotal	\$ -

PROJECT TOTAL

Project Estimate	\$	22,123.00
:-10%	\$	19,910.70
:+10%	\$	24,335.30
Estimated WD/WMO Grant Award:		\$7,500.00
Potential Grant Award Total:		\$7,500.00
Estimated Landowner Cost:		\$14,623.00

Soil & Water Conservation Division  
 1425 Paul Kirkwold Drive  
 Arden Hills, MN 55112  
[www.ramseycounty.us](http://www.ramseycounty.us)

ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

Mike Timm  
 5210 Bald Eagle Blvd E  
 White Bear Township, MN 55110  
 BMP Type: Shoreline Stabilization and Restoration  
 Number of BMPs: 1

County: Ramsey  
 Date: 26-Apr-22

INSTALLED MATERIALS

Item	Qty	Unit	Unit Cost	Amount
Rip Rap Rock: Natural Fieldstone Boulder (6"-24" average diameter mix)	30.00	TON	\$200.00	\$ 6000.00
Filter Bed Rock: Clear Rock- 1-1/2"	15.00	TON	\$ 150.00	\$ 2250.00
EC Blanket: CM4000, Bio D Mat 60, Cocomat 600, or equal (6.5' x 165') [biodegradable stakes]	575.00	SF	\$ 3.50	\$ 2031.25
2"-Thick Twice Shredded Hardwood Mulch (MnDOT Type 6)	3.50	CY	\$ 100.00	\$ 350.00
Sediment Control - Silt Curtain or approved equivalent	85.00	LF	\$ 4.00	\$ 340.00
Native Plant: 4" Pot or approved equivalent	120.00	EACH	\$ 15.00	\$ 1800.00
Native Shrub: #2 Cont. or approved equivalent	10.00	EACH	\$ 25.00	\$ 250.00
Herbivore Exclusion Fence (4' vinyl-coated wire; T-Posts 10' O.C.)	134.00	LF	\$ 6.00	\$ 804.00
Site Restoration (repair any turf damage to landscape outside project area)	1.00	LS	\$ 1100.00	\$ 1100.00
Mobilization	1.00	LS	\$ 700.00	\$ 700.00
Site Prep, Existing Vegetation Removal (removal of existing vegetation/turf grass in planting areas)	1.00	LS	\$ 600.00	\$ 600.00
Deliveries	3.00	EACH	\$ 150.00	\$ 450.00
Grading (shoreline shaping)	6.00	LS	\$ 200.00	\$ 1200.00
Disposal / Soil Haul-away (material from clearing vegetation and grading)	7.00	CY	\$ 40.00	\$ 280.00
Traffic Control - as required	1.00	LS	\$ 700.00	\$ 700.00
Subtotal				\$ 18,924.00

ADD/DEDUCT BID ITEMS (AS NECESSARY)

1] <u>NOT COST-SHARE ELIGIBLE</u> : Natural Stone Steps near dock - verify pricing/design with landowner and bid separately				
2]	\$	-	\$	-
3]	\$	-	\$	-
4]	\$	-	\$	-
5]	\$	-	\$	-
6]	\$	-	\$	-
Subtotal				\$ -

PROJECT TOTAL

Shoreline Landscaping  
 29159 Ivywood Trail  
 Chisago City, MN 55013  
 651-257-2655  
 stephan@shorelinelandscaping.net



Project Estimate	\$ 18,924.00	-
:-10%	\$ 17031.60	-
:+10%	\$ 20,816.40	-

Estimated WD/WMO Grant Award:	\$0.00
Potential Grant Award Total:	\$0.00
Estimated Landowner Cost:	\$0.00

ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

Mike Timm  
 5210 Bald Eagle Blvd E  
 White Bear Township, MN 55110  
 BMP Type: Shoreline Stabilization and Restoration  
 Number of BMPs: 1

County: Ramsey  
 Date: 26-Apr-22

INSTALLED MATERIALS

Item	Qty	Unit	Unit Cost	Amount
Rip Rap Rock: Natural Fieldstone Boulder (6"-24" average diameter mix)	30.00	TON	\$ 200.00	\$ 6000.00
Filter Bed Rock: Clear Rock- 1-1/2"	15.00	TON	\$ 135.00	\$ 2025.00
EC Blanket: CM4000, Bio D Mat 60, Cocomat 600, or equal (6.5' x 165') [biodegradable stakes]	575.00	SF	\$ 3.50	\$ 2012.50
2"-Thick Twice Shredded Hardwood Mulch (MnDOT Type 6)	3.50	CY	\$ 90.00	\$ 315.00
Sediment Control - Silt Curtain or approved equivalent	85.00	LF	\$ 7.00	\$ 595.00
Native Plant: 4" Pot or approved equivalent	120.00	EACH	\$ 13.50	\$ 1620.00
Native Shrub: #2 Cont. or approved equivalent	10.00	EACH	\$ 22.50	\$ 225.00
Herbivore Exclusion Fence (4' vinyl-coated wire; T-Posts 10' O.C.)	134.00	LF	\$ 4.50	\$ 603.00
Site Restoration (repair any turf damage to landscape outside project area)	1.00	LS	\$ 750.00	\$ 750.00
Mobilization	1.00	LS	\$ 650.00	\$ 650.00
Site Prep, Existing Vegetation Removal (removal of existing vegetation/turf grass in planting areas)	1.00	LS	\$ 575.00	\$ 575.00
Deliveries	3.00	EACH	\$ 150.00	\$ 450.00
Grading (shoreline shaping)	6.00	LS	\$ 200.00	\$ 1200.00
Disposal / Soil Haul-away (material from clearing vegetation and grading)	7.00	CY	\$ 35.00	\$ 245.00
Traffic Control - as required	1.00	LS	\$ 650.00	\$ 650.00
Subtotal				\$ 17,915.50

ADD/DEDUCT BID ITEMS (AS NECESSARY)

1] <u>NOT COST-SHARE ELIGIBLE</u> : Natural Stone Steps near dock - verify pricing/design with landowner and bid separately				
2]	\$	-	\$	-
3]	\$	-	\$	-
4]	\$	-	\$	-
5]	\$	-	\$	-
6]	\$	-	\$	-
Subtotal				\$ -

PROJECT TOTAL



White Bear Lawn & Snow  
 1367 County Rd H2 East  
 White Bear Lake, MN 55110

Joe Reil  
 (651) 755-8390

Project Estimate	\$ 17,915.50
: -10%	\$ 16,123.95
: +10%	\$ 19,707.05

Estimated WD/WMO Grant Award:	\$0.00
Potential Grant Award Total:	\$0.00
Estimated Landowner Cost:	\$0.00

Soil & Water Conservation Division  
 1425 Paul Kirkwold Drive  
 Arden Hills, MN 55112  
[www.ramseycounty.us](http://www.ramseycounty.us)

## **ITEMS REQUIRING BOARD ACTION**

1. Career Enhancement Options, Inc. Services Agreement Amendment (Nick Tomczik)

**MEMORANDUM**  
**Rice Creek Watershed District**



**Date:** April 25, 2024  
**To:** RCWD Board of Managers  
**From:** Nick Tomczik, Administrator  
**Subject:** Career Enhancement Options, Inc. Agreement

---

**Introduction**

Seeking Board amendment approval of Career Enhancement Options, Inc. (CEO) agreement.

**Background**

The District currently has an agreement with CEO (Ellen Hinrichs) for human resource services. The agreement’s term is ending and requires a date and “not to exceed” amendment for continued services through the remainder of 2024. Human resources services will be part of the District’s biennial notice soliciting professional service proposals later this year. The District’s 2024 budget accounted for these services and budgeted funds remain; the proposed increase in the agreement not-to-exceed remains within budget. The additional funds may or may not be fully expended. Staff reviewed with counsel and the extension is acceptable in advance of the biennial solicitation.

**Staff Recommendation**

Staff recommend term amendment until December 31, 2024, and the total payment of services for the entire term (5/2022 – 12/2024, 32 months) increased to a not to exceed of \$90,000 (an additional \$20,000 added to the full agreement term).

**Proposed Board Motion**

Manager \_\_\_\_\_ moves to authorize the District administrator, on advice of counsel, to amend the Career Enhancement Options, Inc. (CEO) agreement, extending the term until December 31, 2024, and the total payment of services for the entire term not to exceed \$90,000.

## **ITEMS REQUIRING BOARD ACTION**

2. Check Register Dated May 8, 2024, in the Amount of \$145,469.19 Prepared by Redpath and Company



**Rice Creek Watershed District**  
**Check Register**  
**April 25, 2024 - May 8, 2024**  
**To Be Approved at the May 8, 2024 Board Meeting**

<b>Check #</b>	<b>Date</b>	<b>Payee</b>	<b>Description</b>	<b>Amount</b>
25624	05/01/24	Postmaster	Legal Notices	\$899.48
25625	05/08/24	Barr Engineering	April Engineering Expense	11,337.00
25626	05/08/24	Career Enhancement Options, Inc.	Contracted Services	2,827.50
25628*	05/08/24	Dunaway Construction	Contracted Services	18,975.00
25629	05/08/24	Lauren Forner	Construction-Water Quality Cost-share	5,532.29
25630	05/08/24	Iron Mountain	Professional Services	272.45
25631	05/08/24	Print Central	Printing	458.60
25632	05/08/24	Ramsey County	Contracted Services	13,143.25
25633	05/08/24	Rymark	Computer Equipment	26,550.00
25634	05/08/24	Washington Conservation District	Contracted Services	3,749.15
25635	05/08/24	WSB & Associates, Inc.	Engineering Expense	1,435.50
25636	05/08/24	Zayo Group, LLC	Telecommunications	1,311.49
25637	05/08/24	Comcast	Telecommunications	304.89
Payroll	05/15/24	May 15th Payroll (estimate)	May 15th Payroll (estimate)	28,595.26
WIRE	05/01/24	NSG Emil Kukulski	Professional Services	10,300.00
EFT	05/10/24	Wex Bank	Vehicle Fuel	426.37
EFT	05/10/24	Xcel Energy	Telecommunications	33.93
EFT	05/15/24	Internal Revenue Service	05/15 Federal Withholding (estimate)	10,330.35
EFT	05/15/24	Minnesota Revenue	05/15 State Withholding (estimate)	1,745.00
EFT	05/15/24	Empower Retirement	05/15 Deferred Compensation	870.00
EFT	05/15/24	Empower Retirement	05/15 Roth IRA	305.00
EFT	05/15/24	Further	05/15 HSA	621.47
EFT	05/15/24	PERA	05/15 PERA (estimate)	5,445.21
<b>Total</b>				<b><u>\$145,469.19</u></b>

\*25627 - Void due to printed incorrectly

## **ITEMS FOR DISCUSSION AND INFORMATION**

1. Anoka County Ditch 10-22-32 Wetland Replacement Plan at Pine Street (Tom Schmidt)

# MEMORANDUM

## Rice Creek Watershed District



**Date:** May 1, 2024  
**To:** RCWD Board of Managers  
**From:** Tom Schmidt, Drainage & Facilities Manager  
**Subject:** Anoka County Ditch 10-22-32 Maintenance Alternative 4

---

### **Introduction**

This agenda item provides an update on developing maintenance alternative #4 for Anoka County Ditch 10-22-32 (ACD 10-22-32) north of Pine Street.

### **Background**

At its workshop on November 6, 2023, the Board, by majority consensus, directed staff and engineers to continue the development and evaluation of maintenance Alternative #4 (ACSIC Option) for ACD 10-22-32 north of Pine Street, per its motion of June 14, 2023, by:

1. Identifying and quantifying regulatory requirements.
2. Assessing the feasibility of the proposed alternative considering the regulatory requirements.
3. Engaging with municipal partners, DNR, and other regulatory land use and road authorities to evaluate the feasibility of maintenance Alternative #4.

HEI and staff have engaged the DNR on multiple occasions to discuss potential impacts to public waters and how those impacts will be measured and might be mitigated. HEI has also submitted a wetland delineation approved on November 29, 2023, and is developing a replacement plan for any potential WCA impacts.

Currently, regulatory requirements from DNR remain unclear, making the feasibility of two of Alternative #4's three components uncertain. These two components are the lowering of culverts at the driveway (137th Ave) and Jodrell Street crossings. However, the third component, lowering the culvert at Pine Street, is separate, feasible, and of independent value from the other components. However, the remaining two components depend on the Pine Street component for success. Staff intends to pursue lowering the Pine Street culvert as a maintenance project under the minor maintenance program. Staff will submit a wetland replacement plan for processing and, ultimately, the Board's approval of RCWD permitting, which includes the wetland replacement plan.

Staff will continue to pursue and evaluate the remaining components of maintenance Alternative #4 per the Board's direction.

### **Staff Recommendation**

This item is informational only.

### **Attachments**

- Approved Workshop Minutes 11/06/2023
- Approved RCWD 06/14/2023 Board Minutes
- Anoka County Ditch 10-22-32 Evaluation of Maintenance Alternatives



APPROVED

**RCWD BOARD OF MANAGERS WORKSHOP**

Monday, November 6, 2023

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 location

The Board convened the workshop at 9:03 a.m.

Attendance: Board members Mike Bradley, John Waller, Jess Robertson, Marcie Weinandt, Steve Wagamon

Absent:

Staff: Administrator Nick Tomczik, Public Drainage Inspector Tom Schmidt, Technical Field Assistant Abel Green, Public Drainage Inspector Ashlee Ricci, Communication & Outreach Coordinator Kendra Sommerfeld (video-conference), Permit Coordinator/Wetland Specialist Patrick Hughes, Office Manager Theresa Stasica

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

Visitors: Council Member Janet Hegland, City of Columbus; Mayor Jesse Preiner, City of Columbus; Administrator Elizabeth Mursko, City of Columbus, Perry Wagamon; City Engineer Kevin Bittner, City of Columbus

**Communication – Manager Wagamon**

Manager Wagamon stated he was made aware of a communication from DNR to RCWD that was shared by the City of Columbus, yet the Board was not given it and was unable to respond to the City and landowners’ questions. He stated that he thinks anything of substance should be given to the Board before the public knows, so that the Board can answer questions. Administrator Tomczik responded that the Board’s direction to staff was to engage DNR and come back to the Board with a position. At the time of the DNR communication, the DNR’s communication did not address the District’s inquiry and a position was not available; and further added that staff are available to speak with Board members or the public regarding any questions. Manager Waller stated the Board will discuss this more at their next workshop.

**Anoka County Ditch (ACD) 10-22-32 Alternative 4 Feasibility**

Staff gave a brief overview of the District’s work to date on ACD 10-22-32 north of Pine Street. Staff and consultants updated the Board on their progress with the Board’s June 14, 2023 motion for staff to develop maintenance Alternative #4[(As Constructed Subsequently Improved Condition (ACSIC) Option] for ACD 10-22-32 north of Pine Street by: Identifying and quantifying regulatory requirements; Assessing the feasibility of the proposed alternative in light of the 4325 Pheasant Ridge Drive NE #611 | Blaine, MN 55449 | T: 763-398-3070 | F: 763-398-3088 | www.ricecreek.org

regulatory requirements; and engaging with municipal partners, DNR, and other regulatory land use and road authorities as necessary to evaluate the feasibility of maintenance Alternative #4.

Manager Bradley requested that staff be assertive to the DNR on RCWD's position on likely extent of impacts resulting from Alternative #4.

City Administrator Mursko asked if there was an entitlement to drainage since the date of the ditch precedes the Wetland Conservation Act. Attorney Kolb explained the historical background of the Wetland Conservation Act (WCA) and Public Waters law, noting that there are exemptions in WCA for some, but not all, repairs, but DNR's Public Waters administration has taken a different approach. Attorney Kolb further clarified that the Public Waters law is the controlling regulation at the 137<sup>th</sup> and Jodrell culverts.

Manager Wagamon stated that Jodrell is backing up all the water and it's not just on one landowner. Manager Wagamon further added that he feels that none of these solutions address the original flooding concern that was brought to him and Coon Creek caused the problem by installing Jodrell.

City Engineer Bittner stated that it seemed the DNR's September 11<sup>th</sup> response didn't address Jodrell as a controlling culvert and asked if there would be more flexibility for lowering it. Engineer Otterness clarified that the public water basin is divided by Jodrell Street and currently the DNR has focused on the lowering of 137<sup>th</sup> Ave which will impact the western basin, because it would have to be lowered first to make any headway. Once 137<sup>th</sup> is lowered, then Jodrell St would be considered as the control for the eastern basin.

Mr. (Perry) Wagamon indicated that Alternative #4 does not address his concern, and rather that the cause of observed flooding is Jodrell Street, which acts like a dam.

The Board discussed staff's work to date and by majority consensus directed staff to continue with the Board's June 14, 2023 motion as planned.

#### **Ramsey County Ditch (RCD) 4 Repair Charge Memo**

District Engineer Nies provided a presentation on the charge memo and reviewed the Board's past practice of ad valorem vs. water management district collections. The Board will review and decide at the meeting on Wednesday November 8<sup>th</sup>.

#### **2023 Minnesota Watersheds Resolutions – RCWD Voting Discussion**

Communications and Outreach Specialist Sommerfeld informed the Board that MN Watersheds distributed its annual meeting materials which have been provided in workshop packet. The Board discussed MN Watersheds' proposed bylaw change, draft legislative platform, delegates, and the six proposed resolutions. The Board will take action on these items at their Wednesday meeting.

## **Administrator Updates**

Administrator Tomczik updates:

- Regulatory compliance update, no response from Chris Stowe
- ACD 53-62 Main Trunk repair completed; meeting with City of Circle Pines scheduled to discuss its concerns on sediment basin maintenance
- RCWD letter recently sent to the City of Mahtomedi regarding District programs to assist in monitoring and improving the water quality of Lost Lake
- Washington County Commissioners WMO Budget workshop is on November 7<sup>th</sup> following their regular 9 a.m. meeting

The workshop was adjourned at 11:53 a.m.



1

**REGULAR MEETING OF THE RCWD BOARD OF MANAGERS**

Wednesday, June 14, 2023

**Shoreview City Hall Council Chambers  
4600 North Victoria Street, Shoreview, Minnesota  
and**

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

## Minutes

2

### CALL TO ORDER

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

4

### ROLL CALL

5 Present: President Michael Bradley, 1<sup>st</sup> Vice-Pres. John Waller, 2<sup>nd</sup> Vice-Pres. Steve  
6 Wagamon, Treasurer Marcie Weinandt, Secretary Jess Robertson

7

8 Absent: None

9

10 Staff Present: District Administrator Nick Tomczik, Permit Coordinator/Wetland Specialist  
11 Patrick Hughes, Technician/Water Resource Specialist Molly Nelson, Lake &  
12 Stream Program Manager Matt Kocian, Public Drainage Inspector Tom Schmidt,  
13 and Office Manager Theresa Stasica

14

15 Consultants: District Engineer Chris Otterness (video-conference) from Houston Engineering,  
16 Inc. (HEI); District Attorney Louis Smith from Smith Partners; Attorney John Kolb  
17 from Rinke Noonan

18

19 Visitors: Ken Brumbaugh, Brian Schak, Bob S., City of Columbus Council Member Ron  
20 Hanegraaf, City of Columbus Mayor Jesse Preiner, Perry Wagamon, Kim Ganzel,  
21 Darlene Wagner, Bert Semmelink, Gloria Semmelink, Ken Borle, City of Columbus  
22 Council Member Janet Hegland (video-conference)

23

### SETTING OF THE AGENDA

24 District Administrator Tomczik noted that there were a few proposed changes to the agenda and  
25 explained that he had handed out a proposed revised agenda. He identified in the revised agenda  
26 a new Item #1 relating to Juneteenth Holiday and noted that he had moved items on the  
27 published agenda, #3, U.S. Geological Survey and #6, Copier/Scanner to become items #7 and #8.  
28 He stated that if the Board was under a time constraint later in the meeting, those items could  
29 be tabled, if necessary.

30

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**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

33  
 34 **Motion by Manager Bradley, seconded by Manager Robertson, to approve the agenda, as**  
 35 **revised.**  
 36 **Motion carried 5-0.**

37  
 38 **READING OF THE MINUTES AND THEIR APPROVAL**

39 **Minutes of the May 24, 2023 Board of Managers Regular Meeting.**  
 40 **Minutes of the June 5, 2023 Special Workshop.**

41  
 42 **Motion by Manager Robertson, seconded by Manager Wagamon, to approve the minutes, as**  
 43 **presented. Motion carried 5-0.**  
 44

45 **CONSENT AGENDA**

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

49 **Table of Contents-Permit Applications Requiring Board Action**

No.	Applicant	Location	Plan Type	Recommendation
50 23-031	Aerofab Properties, LLC	Blaine	Final Site Drainage Plan	CAPROC 7 items

51  
 52  
 53 **It was moved by Manager Wagamon, seconded by Manager Waller, to approve the consent**  
 54 **agenda as outlined in the above Table of Contents in accordance with RCWD District**  
 55 **Engineer’s Findings and Recommendations, dated June 6, 2023. Motion carried 5-0.**

56  
 57 **Water Quality Grant Program Cost Share Application**

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reductions	Funding Recommendation
R23-05	Eleni Skevas	Roseville	Curb-Cut Raingarden	\$11,264.04	Volume: 26% TSS: 26% TP: 26%	75% cost share of \$7,500 not to exceed 75%; or \$7,500 whichever cost is lower
A23-01	City of Fridley	Fridley	Pet Waste Management Stations	\$540.00	Average 13 lbs pet waste/week 6.8 lbs Phosphorus	75% cost-share of \$405.00 not to exceed 75% or \$7,500, whichever cost is lower

58  
 59 **It was moved by Manager Weinandt, seconded by Manager Bradley, to approve the Water**  
 60 **Quality Grant consent agenda as outlined in the above table, in accordance with RCWD Staff’s**  
 61 **Recommendation based on established program guidelines, dated June 8, 2023.**

62  
 63 Manager Weinandt noted that she had attended the Citizens Advisory Commission meeting last  
 64 week and thanked Technician/Water Resource Specialist Nelson, District staff, and the



65 members of the CAC for their efforts, because they take the discussion on each of these  
66 applications very seriously.

67

68 ***Motion carried 5-0.***

## 69 **OPEN MIC/PUBLIC COMMENT**

70 None.

## 71 **ITEMS REQUIRING BOARD ACTION**

### 72 **1. Juneteenth Holiday**

73 District Administrator Tomczik stated the Board needs to consider recognizing the  
74 Juneteenth holiday and read aloud from the staff memo regarding the Juneteenth Holiday  
75 on June 19, 2023, that recognizes the abolishment of slavery in the United States.

76

77 District Attorney Smith explained that there had been some confusion about whether this  
78 holiday would be effective starting in 2023 or 2024. He noted that it was originally  
79 approved as of August 1, 2023, which would make the first Juneteenth holiday in 2024,  
80 however the legislature passed another bill during this session that made it effective in  
81 2023.

82

83 ***Motion by Manager Bradley, seconded by Manager Weinandt, to establish and observe***  
84 ***Juneteenth as a Rice Creek Watershed District holiday and accordingly amend section***  
85 ***7.1 Holidays of the RCWD handbook, Board calendar, and as otherwise necessary in***  
86 ***District materials. Motion carried 5-0.***

### 87 **2. Centerville Lake Water Management District**

88 Lake & Stream Program Manager Kocian stated that this item was a continuation of the  
89 discussion from a Board workshop regarding Centerville Lake and a potential Water  
90 Management District. He stated that there are a number of residents of Centerville Lake  
91 that were in attendance at the meeting who may wish to comment. He stated that there  
92 are water quality problems on Centerville Lake that include frequent, and sometimes  
93 severe, algae blooms. He explained that they monitor water quality on the lake and track  
94 TP and Chl-a which have been increasing year after year. He reviewed the Internal  
95 Loading Study information and noted that a common treatment for this occurrence is an  
96 alum treatment and reviewed the budget range for this type of treatment which is roughly  
97 around \$1 million. He explained that the District had received a letter from the Centerville  
98 Lake Association in September of 2022 requesting the Board take action and specifically  
99 create a special tax district/Water Management District. He noted that HEI had  
100 developed alternatives that the Board reviewed at their June 12, 2023 Workshop meeting  
101 where they came to a consensus regarding Concept 2B. He explained that the concept  
102 provides a framework for assessing the Water Management District fee and is not a  
103 specific dollar amount because the actual fee would be based on the final budget and  
104 applicable grants.

105

106 Kimberly Ganzel, 1339 Mound Trail, Centerville, expressed the Centerville Lake  
107 Associations appreciation of all of the work that Lake and Stream Program Manager  
108 Kocian and the District staff has put in as well as the support from the Board on this issue.  
109 She stated that they are also in support of the Concept 2B that the Board discussed at  
110 their workshop.

111  
112 ***Motion by Manager Bradley, seconded by Manager Robertson, to direct District Staff***  
113 ***and Engineer to draft language for a Watershed Management Plan amendment,***  
114 ***incorporating a new Water Management District for Centerville Lake, and language***  
115 ***supporting an internal nutrient loading management project.***

116 Manager Waller thanked the Centerville residents for attending today’s meeting. He  
117 suggested that the Centerville Lake Association be aware that the St. Paul Water Authority  
118 had easements around Centerville and Peltier Lakes. He suggested that they take a look  
119 at removing those easements or land issues and transfer them to Anoka County. He  
120 stated that the dam on Peltier Lake is also owned by the St. Paul Water Authority, and he  
121 would suggest that also be transferred to Anoka County.

122 President Bradley commended members of the Centerville Lake Association for their  
123 grassroots efforts in addressing this issue for the public good.

124 ***Motion carried 5-0.***

125 ***Motion by Manager Bradley, seconded by Manager Weinandt, to direct District staff to***  
126 ***develop and submit a BWSR Clean Water Fund grant application to support an internal***  
127 ***nutrient load reduction project on Centerville Lake.***

128 Manager Waller noted that he wanted to remind everyone present that this is a  
129 ‘framework’ and the dollar amounts are just for discussion purposes and are not ‘real’ at  
130 this point.

131 Manager Weinandt stated that she wanted to remind everyone that the Clean Water  
132 Fund is part of the Minnesota Legacy Amendment.

133 Manager Wagamon asked if the nearby Anoka County park could be involved in the  
134 funding.

135 District Administrator Tomczik explained that it is intended that the District will approach  
136 Anoka County and the City of Centerville to discuss what level of participation they may  
137 have in the project.

138 Manager Robertson asked if the District can estimate the timeline on applying for a grant  
139 and what this whole process will look like so the residents have a reasonable expectation  
140 for action.

141 Lake and Stream Program Manager Kocian stated that the Clean Water Fund grant cycle  
142 is set to open later this month and should close in August. He explained that typically  
143 notices of awards are received in early January, and then workplans and development  
144 agreements are put together after that. He stated that all of this puts them on a tight

145 timeline of potentially doing alum treatments in 2024. He cautioned that he did not want  
146 to present this as a certain timeline.

147 ***Motion carried 5-0.***

148 **3. Peterson Companies, Inc. Final Pay Request Long Lake Fish Barrier**

149 Lake & Stream Program Manager Kocian explained that this item was related to the final  
150 pay request for the Lake Johanna carp barrier. He reviewed photos that were taken at  
151 the site as part of the Long Lake/Lino Chain of Lakes Carp Management Program. He  
152 noted that Houston Engineering had surveyed the completed structure, compared it to  
153 the drawings they had produced, and found elevations and dimensions to be within  
154 acceptable tolerances. He noted that the District had received Watershed Based  
155 Implementation Funding Grant which meant that 90% of this cost of this project was paid  
156 for by that program.

157  
158 ***Motion by Manager Weinandt, seconded by Manager Waller, to approve final payment,***  
159 ***including release of retainage, to Peterson Companies for the Johanna Creek Fish Barrier***  
160 ***project, in the amount of \$5,487.50. Motion carried 5-0.***

162 **4. Anoka County Ditch 10-22-32 Evaluation of Maintenance Alternatives Board Direction**

163 Public Drainage Inspector Schmidt stated that the Board had held a special workshop on  
164 June 5, 2023 to discuss the comments and submitted information in consideration of  
165 maintenance alternatives. He stated that the Board arrived at a general consensus for  
166 Alternative #4 and the next step in the process would be for the Board to direct staff  
167 toward final development of that alternative. He noted that included in the packet was a  
168 proposed motion, but noted that, based on advice from Drainage Attorney Kolb, that  
169 motion had been slightly modified and that language had been handed out to the Board  
170 prior to the meeting.

171  
172 District Administrator Tomczik noted that the differences in the motion language is largely  
173 a distinction between investigating and developing the alternative verses direct  
174 implementation.

175  
176 ***Motion by Manager Weinandt, seconded by Manager Bradley, to direct staff to develop***  
177 ***maintenance Alternative #4 (ACSIC Option) for ACD 10 22 32 north of Pine Street by:***

- 178 ***1. Identifying and quantifying regulatory requirements;***  
179 ***2. Assessing the feasibility of the proposed alternative in light of the regulatory***  
180 ***requirements; and***  
181 ***3. Engaging with municipal partners, DNR, and other regulatory, land use, and***  
182 ***road authorities as necessary to evaluate the feasibility of maintenance***  
183 ***Alternative #4.***

184  
185 President Bradley noted that Alternative #4 includes lowering the level of Jodrell Road  
186 and 137<sup>th</sup> Street culverts to the previously established ACSIC that was approved by the  
187 Board.

188  
189 Manager Waller stated that just because the Board has chosen this framework, it does  
190 not mean that this is the last profile that could be adopted by the Board. He explained  
191 that he sees this as a beginning in order for things to move forward and see what the  
192 DNR, Army Corps of Engineers, and the City of Columbus may have to say. He stated that  
193 in his opinion, this action does not eliminate possible adjustments to the ACSIC in the  
194 future.

195  
196 Manager Robertson stated that she has had additional dialogue with staff throughout the  
197 last week and explained that what she shared with them was her frustration that does  
198 not seem to be a finality to the issues that the residents have if the District hangs their  
199 hat on Alternative #4. She asked what type of cost is incurred with Alternative #4 and if  
200 moving forward with this alternative limits the District to the things identified within the  
201 motion. She asked if it was open to interpretation or to be modified. She stated that she  
202 understands that this is a long standing issue that has a lot of emotion surrounding it, but  
203 noted that she felt that everybody wants to come in and find the right solution. She  
204 explained that she did not want there to be bad feelings amongst the parties engaged in  
205 this and noted that she also did not want to move forward with a 'band-aid' type solution  
206 because she wants finality. She questioned what 'engage with municipal partners' meant  
207 and if merely sending an e-mail would fulfill that obligation rather than sitting down and  
208 really get into the 'weeds' of the issue. She reiterated that this action feels very vague to  
209 her and does not feel like an actual solution.

210  
211 District Administrator Tomczik stated that the District is acting as the Public Drainage  
212 Authority in this instance and are contemplating and addressing the obligations of the  
213 District specific to that authority. He stated that it may or may not result in an outcome  
214 that satisfies landowners or the municipalities. He explained that it is the District's belief,  
215 through the engineer's modeling, that alternative 4 will improve drainage. He stated that  
216 in the past, the District generally took regulatory positions at 'face value', that these  
217 matters were not surmountable by the District. He stated that this motion would direct  
218 staff to take those actions, to ask the questions because until the regulatory questions  
219 are asked, they do not know what the extent of the DNR's response and further the  
220 associated potential cost of what is being asked of the District to demonstrate. He stated  
221 that it is possible that they will just issue the District a permit, but it could also be a long,  
222 entrenched discussion where staff would return to the Board and ask for further  
223 guidance.

224  
225 President Bradley noted that he had previously asked the question about cost as well and  
226 the answer he received was that the upfront costs are those of the lawyers and engineers.  
227 He stated that responding to the DNRs questions start at approximately \$50,000 and go  
228 up which would become the cost of repair. He noted that there could be things like  
229 mitigation that they do not know the costs for and could be substantially more. He stated

230 that until the questions are asked, they cannot dig down and get the answers to the  
231 specific questions about cost.

232  
233 Manager Robertson asked if the District would assume the cost of repair or if landowners  
234 would be assessed for those costs.

235  
236 President Bradley stated that the current position is that repairs are a maintenance ad  
237 valorem expense.

238  
239 Manager Wagamon explained that he would abstain from discussion on this item but  
240 would like to ask a question. He stated that Columbus has a CWPMP and if he understood  
241 what he was reading correctly, that would override the other statute. He stated that  
242 stated that they do not have the mitigate for wetlands and asked if that was germane to  
243 this discussion.

244  
245 Drainage Attorney Kolb stated that if there is a CWPMP that has been adopted by the  
246 LGU, the terms of it, by rule, would replace some of the specific requirements of the WCA.  
247 He noted that would only apply to consideration of mitigation required under the WCA  
248 and would not displace mitigation requirements that might be required under the Public  
249 Waters law.

250  
251 Manager Wagamon stated that he thinks the District should take a look at their CWPMP  
252 to ensure what is in it.

253  
254 District Administrator Tomczik stated that is part of the outcome of what is proposed in  
255 the motions. He stated that he would say this has been considered to some extent  
256 already. He stated that north of Pine Street will be a WCA consideration and is modified  
257 by a Board adopted and BWSR approved CWPMP. He stated that as Drainage Attorney  
258 Kolb stated, it does not apply to public waters and does not replace Federal wetland law.

259  
260 Manager Waller stated that the emphasis today is primarily on drainage law under  
261 Chapter E, but the complaint heard throughout this entire proceeding has been about  
262 flooding, so there are other pieces that are important. He stated that he hopes the  
263 existing language is broad enough to allow these things to be considered as well. He  
264 reiterated that he did not see this action as a final step but as a step forward that will then  
265 be adjusted.

266  
267 District Administrator Tomczik explained that the intent of engaging with the partners is  
268 broadly to see if there is any additional information or local authority that may assist in  
269 having the DNR, as the public waters authority, to come into alignment with the District's  
270 analysis. He stated that the District, through HEI, has studied Jodrell and noted that  
271 information is available to Columbus to collaborate with the District as it advances their  
272 storm water management.

273  
274 Manager Waller stated that he specifically was thinking about the drainage that comes  
275 off of Jodrell from the north.

276  
277 President Bradley stated that if this is passed, at a minimum, the city will be looking at  
278 lowering the culvert on Jodrell and will have the opportunity to consider the size and the  
279 comments from the public about 100-year rainfalls.

280  
281 ***Motion carried 3-1-1 (Manager Robertson opposed) (Manager Wagamon abstained).***

282  
283 **5. Houston Engineering, Inc. Task Order No. 2023-003, Anoka County Ditch 53-62 Branches**  
284 **5 & 6 Repair Report**

285 Public Drainage Inspector Schmidt stated that per the Board’s prioritization of repairs to  
286 the drainage system, the next set to be repaired are Branches 5 and 6 of ACD 53-62.

287  
288 ***Motion by Manager Weinandt, seconded by Manager Bradley, to authorize the Board***  
289 ***President to execute HEI Task Order 2023-003 to complete a repair report for portions***  
290 ***of (ACD53-62), including Branches 5 and 6 and associated laterals, for an amount of***  
291 ***\$82,200.00. Motion carried 5-0.***

292  
293 **6. US Sitework, Inc. Partial Pay Request #6 Anoka County Ditch 53-62 Main Trunk Repair**  
294 **Project**

295 District Administrator Tomczik noted that Public Drainage Inspector Ricci was out in the  
296 field, so he would be handling this item. He reminded the Board that there was an  
297 incident with equipment at this site, but the work should be up and running by June 19,  
298 2023, and explained that substantial completion is expected by July 13, 2023. He stated  
299 that this is a later time frame and will require a Change Order which is currently in process.  
300 He noted that city stormwater work will begin on July 5, 2023, and staff will engage with  
301 Circle Pines’ staff.

302  
303 ***Motion by Manager Waller, seconded by Manager Wagamon, to approve US***  
304 ***Sitework, Inc.’s pay request #6 as submitted and certified by the District Engineer and***  
305 ***directs staff to issue a payment in the amount of \$4,928.13. Motion carried 5-0.***

306  
307 **7. U.S. Geological Survey Joint-Funding Agreement-Streamgage on Rice Creek in Mounds**  
308 **View**

309 Lake & Stream Program Manager Kocian stated that he was seeking approval for a joint  
310 funding agreement between the District and the U.S. Geological Survey (USGS) for a  
311 streamgage that they operate on Rice Creek. He stated that the District has been  
312 partnering with the USGS since 2008 and explained that the data provided is very valuable  
313 and reviewed some of the ways that the District utilizes the data. He noted that the annual  
314 and total costs were outlined in page 58 of the packet.

315  
316 President Bradley asked who actually maintains and operates the streamgagge.  
317  
318 Lake and Stream Program Manager Kocian stated that the USGS maintains and operates  
319 the streamgagge.  
320

***Motion by Manager Weinandt, seconded by Manager Robertson, to authorize the Administrator to enter into a 4-year agreement with the U.S. Geological Survey for operation and maintenance of the streamgagge located on Rice Creek for an amount not-to-exceed \$56,833.00. Motion carried 5-0.***

325  
326 **8. Copier/Scanner Lease**

327 District Administrator Tomczik reviewed the proposed lease with Metro Sales for the  
328 office copier/scanner and explained that the current lease expires in April of 2024. He  
329 noted that there is a cost savings in the lease of around \$2,000 because there has been a  
330 change in the way Metro Sales administer and bill for the lease. Staff recommends  
331 approval.  
332

***Motion by Manager Waller, seconded by Manager Bradley, to authorize the Administrator, on advice of counsel, to enter into a 5-year lease agreement for the Ricoh IMC 4510 copier. Motion carried 5-0.***

333  
334  
335  
336 **9. Check Register Dated June 14, 2023, in the Amount of \$111,354.57 Prepared by Redpath  
337 and Company**

***Motion by Manager Weinandt, seconded by Manager Waller, to approve check register dated June 14, 2023, in the Amount of \$111,354.57 as prepared by Redpath and Company. Motion carried 5-0.***

341  
342 **ITEMS FOR DISCUSSION AND INFORMATION**

343 **1. District Engineer Update and Timeline**  
344

345 **2. Administrator Updates**

346 District Administrator Tomczik noted that they are looking at the District provided health  
347 insurance for employees and noted that there appears to be some inflation and staff will  
348 plan accordingly in the District budget.  
349

350 **3. Managers Update**

351 Manager Waller stated that he went down to Madison Lake to take the tour which was  
352 all about how they fix lakes. He stated that he also attended the Washington County  
353 Consortium and gave an overview of the general discussion topics. He explained that he  
354 had also attended the Forest Lake City Council meeting because they recently passed an  
355 ordinance that is a change in their ordinances and are prohibiting wetland mitigation  
356 banks within the city limits. He gave a brief history of where that ordinance decision  
357 originated based on activities in the city. He stated that he was at Birchwood last night

358 and they remain concerned about Priebe Lake. He noted that they have a new mayor as  
359 well as some new councilmembers.

360  
361 Manager Weinandt reiterated that she attended the CAC meeting and noted that they  
362 are looking for additional members from Ramsey County as well as Washington County.  
363 She stated that she is not able to attend the Minnesota Watershed meeting later this  
364 week in Albert Lea and is hopeful that there are staff members and perhaps additional  
365 Board members who will be able to attend.

366  
367 Manager Waller noted that he will be attending the Minnesota Watershed meeting.

368  
369

370 **ADJOURNMENT**

371 ***Motion by Manager Robertson, seconded by Manager Wagamon, to adjourn the meeting at***  
372 ***10:21 a.m. Motion carried 5-0.***

373  
374



# Technical Memorandum

---

**To:** Nick Tomczik; Rice Creek Watershed District Administrator  
**From:** Bret Zimmerman, PE  
Cait Caswell, EIT  
**Through:** Chris Otterness, PE  
**CC:** Tom Schmidt, RCWD  
Ashlee Ricci, RCWD  
**Subject:** Anoka County Ditch 10-22-32 Evaluation of Maintenance Alternatives  
**Date:** January 23, 2023  
**Project:** 5555-0321

## INTRODUCTION

The purpose of this project is to evaluate potential alternatives to restore drainage capacity to a portion of Anoka County Ditch (ACD) 10-22-32, specifically those portions of the Main Trunk upstream (north) of Pine Street (see **Figure 1**). In 2021, the Rice Creek Watershed District (RCWD) completed a review of the As-Constructed and Subsequently Improved Condition (ACSIC) of ACD 10-22-32 north of Pine Street, which culminated in a reestablishment of the public drainage system record per Minnesota Statue 103E. The ACSIC review and associated survey indicated that three road crossings utilize culverts higher than the ACSIC grade. In addition, a pipeline managed by Flint Hills Resources / Minnesota Pipeline is just below the ACSIC grade (creating maintenance challenges), and another pipeline managed by Northern Natural Gas is a location of chronic beaver activity.

Per the RCWD drainage management flowchart, observed isolated deficiencies in capacity along the public drainage systems are addressed through evaluation of minor maintenance alternatives. To understand the benefit, cost, and feasibility of maintenance approaches, HEI evaluated several maintenance alternatives for restoring drainage capacity in this location. These alternatives were modeled, with peak water levels compared at critical locations along the drainage system. This report will summarize these results, along with performance, cost, and regulation considerations, and provide a recommendation for maintenance.

## ALTERNATIVES AND MODELING

### *Modeling Approach*

The analysis was performed using XPSWMM (v. 2019.1.3) hydrologic modeling software. All models used the Curve-Number (CN) hydrologic theory, which estimates runoff volumes based on the combination of rainfall input, soil type, and land use at any given location. Hydrologic parameters in all alternatives remain identical, so any changes are directly related to the changes in elevation and/or capacity of drainage system components. The modeling completed for this analysis is short-duration based analysis according to the 24-hour storm. As with all of the District's hydrology/hydraulics models, it does not account for subsurface flow through soil or other long-term hydrologic changes.

### *Alternative 1 – Existing Conditions*

The existing conditions model assumes ACSIC grade in the ditch (including at the two pipeline crossings that have shallow cover) and that culverts are at elevations taken during recent survey in 2020 and 2021. This model was created as a baseline to compare the effectiveness/value of all other alternatives. Note that “existing conditions” along ACD 10-22-32 have changed substantially in the last 10 years as repairs and minor maintenance have been completed along the entire drainage system.

### *Alternative 2 – Pre-pipeline Hump Cleanout*

The pre-pipeline hump cleanout model assumes ACSIC grade in the ditch, culverts at surveyed elevations, and a 2.5-foot-tall hump in the ditch to represent a beaver dam that existed at the Northern Natural Gas pipeline prior to the 2021 maintenance completed at this location by the RCWD. The field crossing culvert at station 275+03, the northernmost culvert, was also modeled at the size and elevation it was prior to the 2021 maintenance activity. This model was created to evaluate the hydraulic impact of this recent maintenance effort with respect to other alternatives.

### *Alternative 3 – Permitted Grade*

The permitted grade model assumes ACSIC grade in the ditch and lowers Pine Street to ACSIC grade. The culverts at 137th Ave are both lowered to the permitted grade established in the 2015 DNR Public Waters Work Permit. All other crossings remain at their surveyed elevations, including Jodrell Street. This alternative is intended to represent the maximum maintenance to ACD 10-22-32 that can be completed without additional regulatory approvals from the DNR.

### *Alternative 4 – Full ACSIC*

The full ACSIC model assumes ACSIC grade in the ditch and lowers the Pine Street, 137<sup>th</sup> Ave and Jodrell Street culverts to ACSIC grade. All other crossings remain at their surveyed elevations. This is intended to represent a full restoration of drainage system capacity to ACD 10-22-32 to the ACSIC.

### *Alternative 5 – Full ACSIC with Additional Capacity*

The full ACSIC with additional capacity model assumes ACSIC grade in the ditch, lowers the Pine Street, 137th Ave and Jodrell Street culverts to ACSIC grade and adds an additional 24-inch HDPE culvert at all crossings. The purpose of this alternative is to evaluate whether increasing size/number of culvert crossings under any of the roadways will significantly change peak flooding elevations.

## RESULTS

Modeling results for each of the five alternatives are provided in **Tables 1 and 2** for the 2-year rainfall (2.7 inches) and 10-year rainfall (4.1 inches), respectively. Peak water surface elevations are reported at seven different locations, each of which is upstream of an existing culvert crossing (see **Figure 1**).

From the modeling results, we can derive the following conclusions:

- The recent maintenance completed in 2021 drastically lowered peak water surface elevations upstream of the Northern Natural Gas pipeline crossing (up to 2-feet). No other maintenance on the public drainage system has the ability to significantly lower peak water surface elevations in this location.
- Lowering the culvert at Pine Street will substantially lower peak water levels on lands between 137<sup>th</sup> Ave and Pine Street (up to 1.3 feet)
- Lowering the 137<sup>th</sup> Ave. culvert to the previously permitted grade (Alternative 3) will reduce the peak water surface elevation by 0.3-0.4 feet between 137<sup>th</sup> Ave. and Jodrell Street and by 0.1 – 0.2 feet just upstream of Jodrell Street. Although this decrease will not substantially affect/enhance adjacent land use, lowering these culverts does provide a nominal increase in capacity and the cost is relatively low.
- Lowering the 137<sup>th</sup> Ave. culverts and Jodrell Street culverts to the ACSIC grade will further lower peak elevations from 137<sup>th</sup> Ave to just upstream of Jodrell Street by 0.4-0.7 feet (compared to the Permitted Grade alternative). The benefit of this lowering of peak water elevation is relatively minimal, for a couple of reasons:
  - The decrease in peak water surface elevation extends only to approximately the Northern Natural Gas pipeline crossing. Upstream of the pipeline, these modifications have no discernable effect.
  - The land adjacent to the portion of the ditch affected by the Full ACSIC alternative consists of wetlands. The modeled peak flood events rise up out of the banks of the ditch, but not significantly higher than the grade variations within the wetland. As such, the difference in flood extent in this location for any alternative cannot be discerned when mapped. Further, the flooded areas (most of which are public waters) will remain wetlands under all alternatives due to the high water table in the area and lateral inflows. Therefore, there does not appear to be any significant flood extent change or land use value provided by this alternative
- Increasing the number or size of culverts under any of the crossings has no significant effect on peak flood elevations.

**Table 1 – Peak water surface elevations during a 2-year rainfall event**

2 year	Location 1 Sta. 275+03 Field Crossing		Location 2 Sta. 264+79 Field Crossing		Location 3 Sta. 230+16 Jodrell St		Location 4 Sta. 216+00 137 <sup>th</sup> Ave <sup>[1]</sup>		Location 5 Sta. 204+54 Field Crossing		Location 6 Sta. 190+65 Field Crossing		Location 7 Sta. 185+90 Pine St	
	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>
Alt 1. Existing Conditions	901.0	---	900.8	---	900.4	---	900.3	---	899.5	---	899.5	---	899.5	---
Alt 2. Pre-pipeline Hump Cleanout	902.6	1.6	902.6	1.8	900.4	0.0	900.3	0.0	899.5	0.0	899.5	0.0	899.5	0.0
Alt 3. Permitted Grade	901.0	0.0	900.8	0.0	900.2	-0.2	899.9	-0.4	899.2	-0.3	898.9	-0.6	898.3	-1.2
Alt 4. Full ACSIC	901.0	0.0	900.8	0.0	899.5	-0.9	899.3	-1.0	899.3	-0.2	898.9	-0.6	898.3	-1.2
Alt 5. Full ACSIC with Additional Capacity	900.9	-0.1	900.8	0.0	899.5	-0.9	899.3	-1.0	899.2	-0.3	898.7	-0.8	898.2	-1.3

**Table 2 – Peak water surface elevations during a 10-year rainfall event**

10 year	Location 1 Sta. 275+03 Field Crossing		Location 2 Sta. 264+79 Field Crossing		Location 3 Sta. 230+16 Jodrell St		Location 4 Sta. 216+00 137 <sup>th</sup> Ave <sup>[1]</sup>		Location 5 Sta. 204+54 Field Crossing		Location 6 Sta. 190+65 Field Crossing		Location 7 Sta. 185+90 Pine St	
	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>	WSE <sup>[2]</sup>	Diff. <sup>[3]</sup>
Alt 1. Existing Conditions	902.1	---	901.7	---	900.8	---	900.6	---	900.1	---	900.0	---	900.0	---
Alt 2. Pre-pipeline Hump Cleanout	904.1	2.0	903.0	1.3	900.8	0.0	900.6	0.0	900.0	-0.1	900.0	0.0	899.9	-0.1
Alt 3. Permitted Grade	902.1	0.0	901.7	0.0	900.7	-0.1	900.3	-0.3	899.5	-0.6	899.5	-0.5	898.9	-1.1
Alt 4. Full ACSIC	902.1	0.0	901.7	0.0	900.2	-0.6	899.9	-0.7	899.9	-0.2	899.6	-0.4	899.0	-1.0
Alt 5. Full ACSIC with Additional Capacity	901.8	-0.3	901.7	0.0	900.2	-0.6	899.7	-0.9	899.7	-0.4	899.5	-0.5	899.2	-0.8

[1] Permitted Grade at 137<sup>th</sup> Ave is 899.60

[2] Peak Water Surface Elevation Upstream of Crossing

[3] Change Relative to Existing Conditions

## RECOMMENDATION

Based on the analysis, the maintenance activities on ACD 10-22-32 providing the greatest impact to drainage system capacity are the continued maintenance of grades at the two pipeline crossings and the lowering of the Pine Street culvert. The RCWD should continue to monitor and maintain the open channel regularly and take actions to control the beaver populations, particularly at the two pipeline crossings. We recommend the RCWD proceed with repairs to lower the culvert under Pine Street. This will require a review of potential wetland impacts under the Wetland Conservation Act and may require a mitigation plan. This will also require coordination with the Cities of Columbus and Lino Lakes as joint road authorities.

Additionally, the culverts under 137th Ave should be lowered to the previously permitted elevation. Although the incremental decrease in water surface elevation is relatively small, there is minimal cost and regulatory engagement required to complete this action.

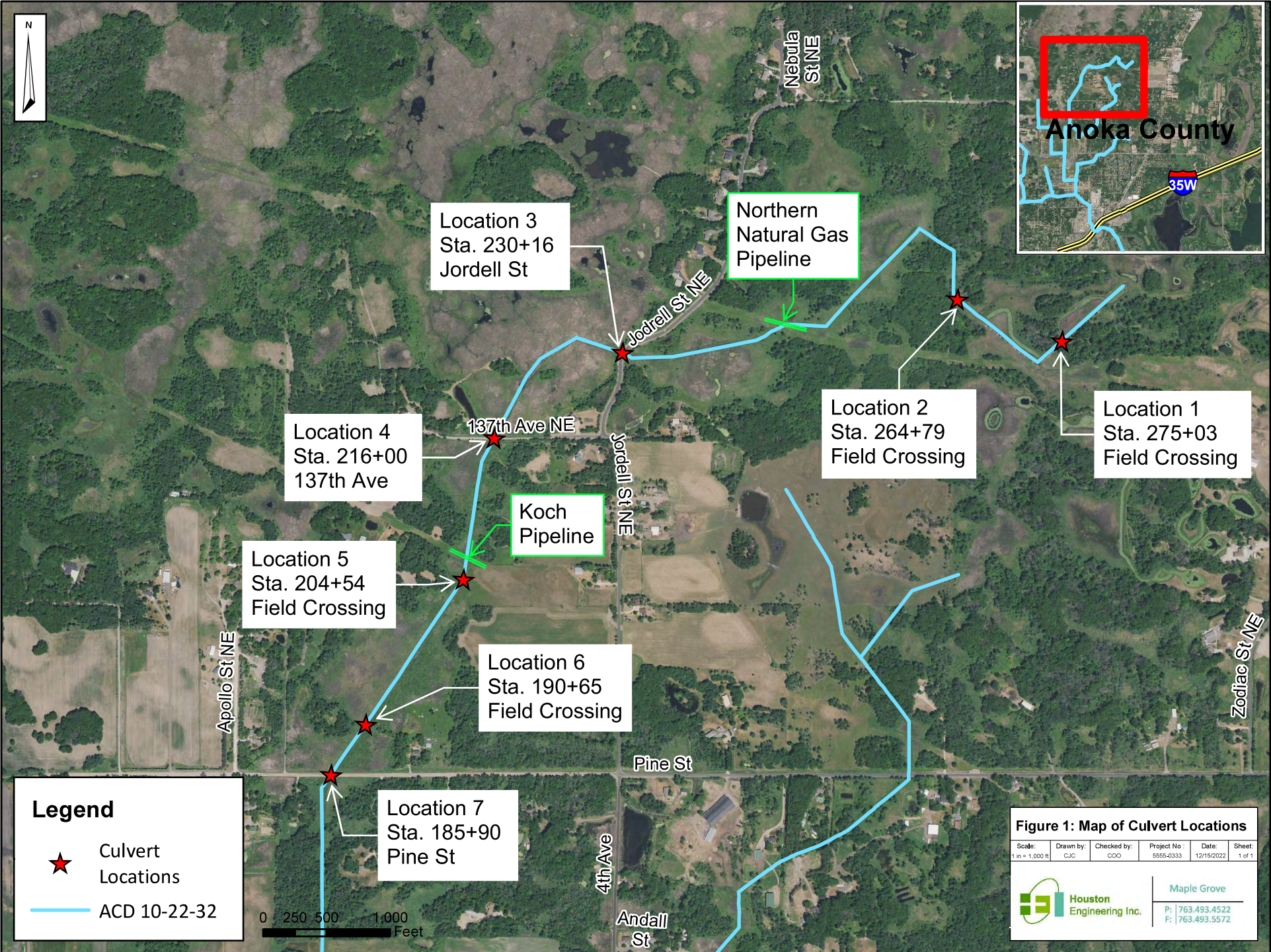
The analysis revealed no significant benefit or necessity of lowering 137th Ave and Jodrell Street culverts to ACSIC grade. Lowering these culverts to ACSIC grade would have no measurable reduction in flooding extent and will not affect the landowner's ability to modify their use of this land. Construction cost for lowering the Jodrell Street culvert would be substantially greater than any of the other maintenance activities, and feasibility and cost of obtaining regulatory approval from the DNR is uncertain.

The two pipeline crossings of the upper portion of ACD 10-22-32 (Flint Hills Resources pipeline between Pine Street and 137<sup>th</sup> Ave. and Northern Natural Gas pipeline east of Jodrell Street) are both lower than the as-constructed grade of ACD 10-22-32. Though they do not project into the ditch bottom, they have historically impacted maintenance of the public drainage system in multiple ways:

1. Cleanout of the ACD 10-22-32 ditch over each pipeline location has at times been disallowed by pipeline representatives citing pipeline safety guidelines. However, recent cleanout over the Northern Natural Gas pipeline crossing occurred successfully under the authorization and observation of pipeline representatives.
2. Work scheduling in these locations is subject to the availability of pipeline representatives to be onsite. This has delayed the initiation of work in these areas by weeks or even months, and has prevented timely response to observed deficiencies.
3. The elevated hump/berm providing cover over the pipeline on either side of the ditch creates an attractive location for beaver damming efforts. This requires more frequent inspection and maintenance than other portions of the District's public drainage systems.

The preferred solution to these maintenance issues is the lowering of the pipeline. However, due to the significant expense and impact of lowering a pipeline, and given that the pipelines in these locations are not projecting into the original ditch bottom, other near term solutions should be pursued. We recommend continued engagement with the pipeline companies to clarify process, responsibilities, and timeframes when addressing needed maintenance at these and other pipeline crossings in the RCWD.

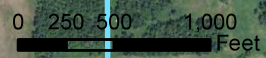
# ACD 10-22-32 Alternatives



Document Path: H:\Maple Grove\RC\WD\BNI\5555-0333 ACD 10-22-32 Alternatives\GIS\Figures\Figures\_ACD.mxd

## Legend

- ★ Culvert Locations
- ACD 10-22-32



**Figure 1: Map of Culvert Locations**

Scale: 1 in = 1,000 ft	Drawn by: CJC	Checked by: COO	Project No.: 5555-0333	Date: 12/15/2022	Sheet: 1 of 1
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	Maple Grove
	P: 763.493.4522 F: 763.493.5572

## **ITEMS FOR DISCUSSION AND INFORMATION**

### **2. District Engineer Update and Timeline**





### District Engineer - Monthly Project Report April 2024 Rice Creek Watershed District



Date Prepared:  
Prepared by:

30-Apr-24  
C. Grandbois

Project Name	Task Order Manager	Estimated Budget	Cost to Date	Remaining Budget	Project Complete / Transfer Funds?	Estimated Progress Based on Work Completed	Percentage of Budget Utilized	Within Budget? (Y/N)	District Billed for Exceedence of Budget? (Y/N)	Initial Target Completion Date	Items of Interest / Concern
RCD 2, 3, & 5 Basic Water Management Project	Joe Lewis	\$167,500	\$148,316	\$19,184	N	95.0%	88.5%	Y	N/A	2-May-23	A preliminary report has been completed and submitted to District staff.
RCD 1 Records Reestablishment	Adam Nies	\$27,500	\$24,838	\$2,662	N	80.0%	90.3%	Y	N/A	31-Dec-23	A draft report has been completed for review by District staff. Next step is to set a public information meeting date.
RCWD Boundary Petition Assistance	Chris Otterness	\$16,500	\$16,233	\$267	N	90.0%	98.4%	Y	N/A	1-Mar-24	RCWD staff is continuing to coordinate with City & WMO staff on concurrence on boundary change.
ACD 53-62 Branches 5 & 6 Repair Report	Adam Nies	\$82,200	\$37,129	\$45,071	N	45.0%	45.2%	Y	N/A	30-Apr-23	Wetland lateral effects analysis has been completed. We are currently preparing a draft repair report.
JD 3 Clearwater Creek Stabilization	Adam Nies	\$74,900	\$46,140	\$28,760	N	60.0%	61.6%	Y	N/A	31-May-24	Modeling of alternatives is nearly completed. We have met with DNR staff to discuss regulatory considerations.
Anoka Washington Judicial Ditch 3 Branches 1, 2, & 4 Construction Management	Adam Nies	\$120,000	\$116,599	\$3,402	N	95.0%	97.2%	Y	Y	1-Jun-24	Project is substantially complete. Only remaining work to be completed are turf establishment and miscellaneous punch list items.
RCD 4 Final Plans/Specs, Bidding and Construction Management	Adam Nies	\$68,000	\$21,710	\$46,290	N	30.0%	31.9%	Y	N/A	31-Dec-24	The project is out for bidding. Bids will be considered at the 2nd May Board meeting
Comprehensive Wetland Protection and Management Plans Annual Reporting - 2023	Chris Otterness	\$17,000	\$12,350	\$4,650	N	90.0%	72.6%	Y	N/A	9-Feb-24	We have completed a draft CWPMP Annual report for RCWD staff review
GIS and Ditch Records Maintenance; DrainageDB Annual Subscription	Brian Fischer	\$16,000	\$5,509	\$10,491	N	33.3%	34.4%	Y	N/A	31-Dec-24	Drainage records are being added to DrainageDB on a quarterly basis
MS4Front Annual Subscription and Implementation Services	Brian Fischer	\$16,000	\$796	\$15,204	N	33.3%	5.0%	Y	N/A	31-Dec-24	We continued to make updates on an as-requested basis.
RCWD Rule Revision Assistance	Adam Nies	\$36,000	\$10,365	\$25,635	n	30.0%	28.8%	Y	N/A	31-Dec-24	We have prepared draft rule language for District staff and legal counsel review.

Values in red are either potential budget concerns or changes in schedule.

The "overage" for those projects shown as "over budget" is not billed to the District. The cost to date column reflects HEI's actual internal cost. Projects are considered within budget if ± 5%.

### District Engineer Monthly Progress Report (Actual & Estimated Progress) Through April 2024

