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RCWD BOARD OF MANAGERS REGULAR MEETING AGENDA

Wednesday, March 12, 2025, 9:00 a.m.

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

<https://us06web.zoom.us/j/87682875957?pwd=wGh4AaPS3WoscpS4HNX4q38baQaeTT.1>

Meeting ID: 876 8287 5957

Passcode: 811550

+1 312 626 6799 US (Chicago)

Meeting ID: 876 8287 5957

Passcode: 811550

Agenda

CALL TO ORDER

ROLL CALL

SETTING OF THE AGENDA

APPROVAL OF MINUTES: FEBRUARY 26, 2025, 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
25-006	C Lino LLC	Lino Lakes	Final Site Drainage Plan Land Development	CAPROC 7 items
25-010	Ramsey County	Arden Hills	Final Site Drainage Plan Land Development	CAPROC 7 items
25-013	Protofab Holdings, LLC	Blaine	Final Site Drainage Plan	CAPROC 4 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 March 4, 2025.

Water Quality Grant Program Cost Share Application (Molly Nelson)

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reduction	Funding Recommendation
R25-01	Christ the King Church	New Brighton	Raingarden (2)	\$19,002.50	Volume: 20,298 cu-ft/yr TSS: 69 lbs/yr TP: 0.38 lbs/yr	75% cost share of \$10,000 not to exceed 75%; or \$10,000 whichever cost is lower

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD Outreach and Grants Technician’s Recommendations dated February 26, 2025.

PERMIT APPLICATIONS REQUIRING BOARD ACTION

No.	Applicant	Location	Plan Type	Recommendation
24-061	City of Columbus	Columbus	Street & Utility Plan	VARIANCE REQUEST
	City of Forest Lake	Forest Lake	Wetland Alteration Floodplain Alteration	CAPROC 9 items

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. Check Register Dated March 12, 2025, in the Amount of \$151,280.22 Prepared by Redpath and Company

ITEMS FOR DISCUSSION AND INFORMATION

1. Ramsey County Ditch (RCD) #1 Records Correction Public Hearing Update
2. District Engineer Updates and Timeline
3. Administrator Updates
4. Manager Updates

APPROVAL OF MINUTES: FEBRUARY 26, 2025, REGULAR MEETING

DRAFT

1
2 For Consideration of Approval at the March 12, 2025 Board Meeting.
3 Use these minutes only for reference until that time.
4

REGULAR MEETING OF THE RCWD BOARD OF MANAGERS

Wednesday, February 26, 2025

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

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

Minutes

CALL TO ORDER

5
6
7 President Michael Bradley called the meeting to order, a quorum being present, at 9:00 a.m.
8

9 District Administrator Tomczik noted that they were having some technical difficulties with the Zoom
10 broadcast and staff working to address the issue. He noted that these types of issues would be brought
11 to the Board at a future workshop for discussion on how to handle and inform the public of this type of
12 challenge.
13

ROLL CALL

14
15 Present: President Michael Bradley, 2nd Vice-Pres. Steve Wagamon, Secretary Jess Robertson, and
16 Treasurer Marcie Weinandt
17

18 Absent: 1st Vice-Pres. John Waller (with prior notice)
19

20 Staff Present: District Administrator Nick Tomczik, Regulatory Manager Patrick Hughes, Watershed
21 Technician/Inspector Will Roach, Project Manager David Petry, Office Manager Theresa
22 Stasica
23

24 Consultants: District Engineer Chris Otterness from Houston Engineering, Inc. (HEI); District Attorney
25 John Kolb from Rinke Noonan
26

27 Visitors: Chris Stowe, Dale Reed-White Bear Township, Administrator Nyle Zikmund, Don Peterson,
28 and Joe Ulrich-City of Mounds View; Andrew Kovacs-RCWD CAC Members
29

SETTING OF THE AGENDA

30
31 District Administrator Tomcik requested a new action item 3, for the Special Meeting of the Minnesota
32 Watershed on March 21, 2025, and to renumber the agenda accordingly. He noted that materials had been
33 e-mailed to the Board and the same were provided for them at the dais.
34

35 Manager Weinandt stated that she would also like to add under Discussion, an item for an Audit
36 Update/Outstanding Receivables.

37
38 ***Motion by Manager Weinandt, seconded by Manager Bradley, to approve the agenda, as amended.***
39 ***Motion carried 4-0.***

40
41 **READING OF THE MINUTES AND THEIR APPROVAL**

42 **Minutes of the February 12, 2025, Board of Managers Regular Meeting. Motion by Manager Robertson,**
43 ***seconded by Manager Wagamon, to approve the minutes as presented. Motion carried 4-0.***
44

45 **CONSENT AGENDA**

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

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

No.	Applicant	Location	Plan Type	Recommendation
25-009	City of Fridley	Fridley	Final Site Drainage Plan	CAPROC 6 items

51 ***It was moved by Manager Wagamon and seconded by Manager Robertson, to approve the consent***
52 ***agenda as outlined in the above Table of Contents in accordance with RCWD District Engineer’s Findings***
53 ***and Recommendations, dated February 18, 2025. Motion carried 4-0.***

54 **OPEN MIC/PUBLIC COMMENT**

55 Chris Stowe, 426 Pine Street, handed out information to the Board and explained that it was the most recent
56 correspondence he had received from the District around Christmas time, but noted that it was not dated.
57 He referenced paragraph 2 and noted that the culvert upstream of his property, according to the letter,
58 was replaced and lowered in 2008 without any historical research on elevations; in 2013 the District
59 removed sediment that accumulated in that branch with no elevations included; and noted that the pipe
60 was higher than the channel bottom after they had already removed sediment, which he felt showed that
61 they had removed more than the original culvert was set at. He referenced paragraph 3 where it noted
62 that in 2020, the City of Columbus began a repair project which removed multiple linear feet of additional
63 virgin soil and the District had not notified the City of Lino Lakes in lowering the culvert for the second time
64 in 12 years and also lowered a minimum of 6 additional culverts upstream from that one. He explained
65 that Pine Street, along branch 4, was now draining in the opposite direction of the grade of the road which
66 was completely unnatural. He referenced paragraph 4, which explained the differences in elevations from
67 2008 and 2020 lowering, but did not document how much it was lowered in 2008. He noted that the
68 culvert at Andall Street was also higher than the bottom of the ditch and the sediment hadn’t been removed
69 for decades. He explained that because of the lowering of the 7 culverts upstream, the culvert that crosses
70 Andall needed to be lowered and increased in size. He noted that he felt this was done in order to dry out
71 an area of development for commercial uses around the John Deere dealership in Columbus and was adding
72 water to branch 4 even though the letter from the District claimed that was not the case. He stated that he
73 felt it was interesting to note that by lowering the culverts, it directly affected properties owned by a family

74 that was on the City Council in Columbus in 2020 and another who was a member of the Board. He
75 explained that he felt the road repair project undermined the integrity of the street and created a safety
76 issue for everyone that lives along Pine Street and noted that he had been negatively affected by it. He
77 noted that the letter also contained statements about his comments on the water traveling down the
78 system and also included excuses about why it was not doing that. He stated that he felt this was
79 concerning because the Board had stated that they spent about 5-10% of their annual budget to maintain
80 ditches and he felt that should actually be their primary expense. He asked how much money the District
81 was spending for legal expenses related to court-ordered damages, which they had discussed at a recent
82 workshop meeting. He stated that the sod farm was now planning on doing a massive development in
83 the area. He explained that he had attended the Lino Lakes Planning meetings and has seen the drawings
84 that they claim to have received from the District. He noted that the drawings were inaccurate and
85 contradicted themselves and explained that the area was a FEMA floodplain and explained that when the
86 sod fields were not draining or were draining poorly, his property was the same and felt that development
87 of the area would cause further water retention on his property. He stated that 2 members of the Board
88 have come out to look at his property and agreed that there were problems. He noted that he felt that
89 both culverts that cross Pine Street needed to be addressed and felt the District had not done their due
90 diligence in maintaining the drainage system in his area which meant that he now had real issues with
91 increased flooding that he felt would get even worse if they are allowed to develop a floodplain downstream
92 of him. He asked if the Board was going to do something to help him or if he needed to get legal counsel
93 involved and explained that he was open to having discussions with the Board. He strongly expressed his
94 frustration with the situation and how the Board had handled it.

95 **ITEMS REQUIRING BOARD ACTION**

96 **1. Stormwater Management Grant Awards**

97 Watershed Technician/Inspector Roach gave a brief summary of the program and reviewed the 5
98 applications that had been received from 4 communities for the Stormwater Management Grants
99 which had been presented at the February 12, 2025 Board meeting. He briefly outlined the
100 scoring/ranking of the applications by staff, Houston Engineering, and the CAC, and reminded the
101 Board that the total requested funds exceeded the Stormwater Management Grant budget. He
102 reviewed the funding options that were outlined at the February 12, 2025 Board meeting and
103 explained that the Board had given staff directions to reach out to the applicants regarding the
104 minimum project amounts they would be willing to accept from the District. He explained that
105 Centerville had communicated that \$20,000 was the lowest amount they would be able to accept
106 and White Bear Township indicated that for the SAFL Baffle project, they would be open to any
107 amount offered. He reviewed updated funding options for the Board to consider, which included
108 a grant of \$25,000 to Centerville and White Bear Township's SAFL Baffle project, which would
109 receive \$46,389 and bring them in on budget.
110

111 District Administrator Tomczik explained that the proposed resolution included in the packet laid
112 out the same allocations that were presented at the public hearing, maintained consistency with
113 the grant, but there was also the alternative funding that had been proposed by Watershed

114 Technician/Inspector Roach. He stated that if the Board chose to, they could insert the alternative
115 option into the resolution language.

116
117 Manager Weinandt noted that the CAC had done a very thorough job of reviewing the applications
118 and one of the comments shared at the February 12, 2025 meeting was about reducing the amount
119 of fertilizer used the Centerville City Hall, which the representative from Centerville was very open
120 to.

121
122 District Administrator Tomczik stated that the City Administrator Statz from Centerville who
123 attended the last Board meeting had left his position with Centerville. He stated that in
124 communications following the previous meeting, Mr. Statz was challenged as the City would be
125 under an obligation that he would not be around to defend or implement and explained that he was
126 not sure that the City of Centerville could actually commit to a reduction in fertilizer, as it had been
127 discussed.

128
129 Manager Wagamon stated that he felt the Board was pretty clear that they had wanted to stay
130 within the \$300,000 budget and felt they had done a fairly good job coming up with a way that all
131 the projects could be funded.

132
133 President Bradley stated that he felt that this was one of the best batches of requests the Board has
134 seen and felt that this group of projects was stellar. He asked the White Bear Township
135 representative, Dale Reed, to approach the podium. He noted that White Bear Township had
136 asked for funding for 3 SAFL Baffles and the District was essentially providing funding for 2 of them
137 and asked if they would consider doing 2 instead of 3, or coming back to the District for a grant for
138 the 3rd during next year's grant funding.

139
140 Dale Reed, White Bear Township, explained that they would still put in all 3 SAFL Baffles this year
141 and would be happy to take a lesser amount than they had asked for. He expressed his
142 appreciation for the Board considering both of their grant requests.

143
144 Manager Robertson stated that she felt there was a strong argument to move forward with what
145 was presented and noted that with the work put in by the CAC and the scoring system itself, she felt
146 that this reflected exactly what the scoring system is on the projects and would honor the \$300,000
147 cap.

148
149 ***Motion by Manager Robertson, seconded by Manager Weinandt, to adopt Resolution 2025-01***
150 ***Ordering 2025 Stormwater Management Grant Projects Pursuant To Minnesota Statutes***
151 ***§103b.251, as amended from what was included in the packet:***

152
153 ***Motion by Manager Bradley, with a friendly amendment for the wording of the motion to be to***

154 ***adopt Resolution 2025-01 Ordering 2025 Stormwater Management Grant Projects Pursuant To***
 155 ***Minnesota Statutes §103b.251, as amended from what was included in the packet, with the***
 156 ***alternative funding option presented by staff at the February 26, 2025 Board meeting. Manager***
 157 ***Wagamon seconded the friendly amendment.***

158 THEREFORE, BE IT RESOLVED that pursuant to Minnesota Statutes §103B.251 and the WMP, each of the
 159 Projects is ordered; and,

160 BE IT FURTHER RESOLVED that the Board of Managers hereby authorizes the Administrator to execute each
 161 of the respective cost-share agreements between the Rice Creek Watershed District and the City of
 162 Centerville, City of Mounds View, City of New Brighton, City of White Bear Township with any final
 163 non-material changes and on advice of counsel; and,

164 BE IT FINALLY RESOLVED that the limit of the District’s contribution to each Project is as follows:

165	City of Centerville – Centerville City Hall Stormwater Reuse	\$25,000
166	City of Mounds View – Silver View Park Pond Improvement Project	\$100,000
167	City of New Brighton – CP25-1,2025 Street Rehabilitation	\$28,611
168	City of White Bear Township – Bellaire Beach Underground Stormwater Storage	\$100,000
169	City of White Bear Township – Silver Fox Area SAFL Baffles	\$46,389

170 District Attorney Kolb asked if the original motion had been withdrawn or if Manager Robertson had
 171 accepted the friendly amendment.

172 ***Manager Robertson acknowledged that she would accept the friendly amendment to her original***
 173 ***motion.***

174 **ROLL CALL:**

175 ***Manager Bradley – Aye***

176 ***Manager Robertson – Aye***

177 ***Manager Waller – Absent***

178 ***Manager Weinandt – Aye***

179 ***Manager Wagamon – Aye***

180 ***Motion carried 4-0***

181

182 President Bradley expressed his appreciation to the CAC, District staff, and the participating cities
 183 for their cooperation on this excellent group of projects.

184

185 Manager Weinandt introduced Mounds View CAC representative, Andrew Kovacs, who was in
 186 attendance today.

187

188 **2. Treatment of Metro Shooting and Trost Settlements – 2024 Financial Report**

189 District Administrator Tomczik noted that the Board had established an annual review in February
 190 of these settlements and explained that Rinke Noonan had reviewed the materials and found little
 191 definitive change in the facts and circumstances relevant to the development of the subject parcels

192 to make the contingency any more real. He reviewed the action the Board had taken in 2024 and
193 noted that it could be found on page 107, as the third option listed, in the packet materials. He
194 noted that the third option from the staff memo and the option in the Rinke Noonan memo had
195 slightly different language, which included an added sentence in the Rinke Noonan version.
196

197 Manager Robertson suggested that the Board choose the third option and would disagree that there
198 has been little development on the site itself because the site was actively listed and had 5
199 interested developers. She noted that the hold up on signing a purchase agreement was due to
200 the long-standing court issue that involved the County, the City, and the District. She reiterated that
201 she would disagree that there had been little development and had been contacted by interested
202 developers because they did not know what to do. She clarified that to infer that there was little
203 development or movement on this was not true. She stated that even though the District puts out
204 these statements that say that they will make good on their 14 acres; to bring it to 100 contiguous
205 acres, it was translating to real dollars for the property owner. She gave the example of an offer
206 from a developer who was only seeing 76 or 80 acres, which would be what their offer would reflect,
207 when the property owner wants a price tag for 100 acres, which she felt he was entitled to have.
208 She stated that this was a challenging and frustrating situation, but did not think there was one right
209 answer and while she appreciated District Attorney Kolb's interpretation, from a legal perspective,
210 but felt that the District almost had 'repeat customers' that come before the District with long-
211 standing issues. She explained that she felt that she could speak for the Board that they would
212 really like to put a lid on those long-standing issues. She noted that this one has been before the
213 Board from way before her time serving on the Board and she felt that there wasn't much difference
214 between what the legal thing was to do and what the right thing was to do. She suggested that
215 the option that the Board move forward with related to language regarding the District's liability
216 was option 3 because she did not think that they were talking about remote chances anymore,
217 because the property was being actively marketed.
218

219 President Bradley pointed out that option 3 was the one the Board had chosen last year.
220

221 Manager Robertson stated that she just wanted to encourage the Board to maintain that selection.
222

223 President Bradley stated that he felt the entire Board agreed that was the right option to choose
224 again this year.
225

226 Manager Wagamon stated that he felt the Board had said pretty much what Manager Robertson
227 had just stated during last year's meeting, and would agree that option 3 was the correct choice.
228

229 District Administrator Tomczik suggested the Board utilize the language from page 112 of the
230 packet, but could decide to cut the last sentence as proposed by District Attorney Kolb.
231

232 President Bradley read aloud the sentence that had been added by District Attorney Kolb, 'Though
233 the District is unable at this time to estimate its expense if and when the liability should arise, the
234 District is reasonably confident that it will be able to meet its obligations for wetland mitigation from
235 existing resources of the District', and asked why the Board may want to strike that sentence.
236

237 District Attorney Kolb explained that the Board could strike that sentence because it was more
238 musing on his part, based on additional analysis and information that was received from staff trying
239 to make sense of how the settlement now fit in with the new delineation on the property. He
240 noted that he felt that they were still not totally sure of that and just have a general sense of it, but
241 the proposed additional statement was not necessary, under the ABA standards, for their statement
242 to the auditor.
243

244 President Bradley noted that he had read through this material several times and his understanding
245 was that because there had been a wetland delineation, even though there was not a specific
246 project, the District can say that the maximum liability would be '\$X'.
247

248 District Attorney Kolb stated that was correct and noted that it shouldn't be more than '\$X' but
249 explained that one of the exercises that have to occur, once they get the new delineation, is that
250 they have to reconcile the new delineation with the requirements of former Rule M, which was
251 current Rule F, which changes where they set the line for the wetland protection zone which would
252 also change mitigation ratios for certain areas that may be filled in. He explained that was the part
253 that they did not quite have nailed down to the 1/10th of an acre, but noted that they were pretty
254 close. He stated that they were confident in this for the Metro property and the wetland credits and
255 available credits in the Browns Preserve Wetland Bank, but noted that this statement was not
256 necessary to provide to the auditor.
257

258 President Bradley stated that he did not believe the auditor had included any statement, in the past,
259 within their audit.
260

261 Manager Weinandt asked if District Attorney Kolb's explanation moved this forward anymore.
262

263 Manager Robertson clarified that her comments were not intended to stop what the Board needed
264 to do today and reiterated that she felt option 3 with removal of the last sentence was fine. She
265 noted that she would anticipate a workshop discussion if there was need to dialogue this further.
266

267 President Bradley explained that he wanted to make sure that everyone understood that the Board
268 was setting an outside parameter of obligation, not a minimum parameter. He noted that until
269 they have a project, know where it will be built, know what they will have to do to mitigate the clean
270 water responsibilities, they really do not know what it would actually cost the District.
271

272 **Motion by Manager Bradley, seconded by Manager Weinandt, that the Board of Managers finds**
273 **that it is reasonably possible that one or more events will occur so as to cause the District to incur**
274 **what is now a potential contingent future liability, and therefore that this liability should be**
275 **referenced in the 2024 financial report as follows, or as modified in the auditor’s judgment:**

276 **In settlement agreements approved in 2005, the District committed that when**
277 **development occurs on two tracts then owned by the Metro Shooting Center Corp. (MSCC)**
278 **and Trost, the application of the District's wetland rules will not have the result of affording**
279 **the owner for the MSCC parcel fewer than 100 contiguous non-wetland acres, and the**
280 **owner of the Trost parcel no fewer than 45 such acres. If additional wetland**
281 **replacement/mitigation is required under regulatory programs administered by the**
282 **District to attain the stated acreage, the District will bear the cost of that**
283 **replacement/mitigation.**

284
285 Mr. Stowe raised his hand and asked to make a comment on this item.

286
287 President Bradley invited Mr. Stowe to share his comment with the Board.

288
289 Mr. Stowe stated that he felt the Board knew the right thing to do, which he felt was option 3. He
290 noted that he felt the Board was tipping the scale because on the original delineation, the District
291 owned a whole bunch more wetlands credits than they do now and were in charge of doing the
292 delineation in order to figure out how many acres they have to pay this gentleman. He noted that
293 when this was first talked about, he believed that they owed them around 40 acres and now they
294 only owe them 17 acres.

295
296 President Bradley explained that when this was first done, they hadn’t cleaned the ditch and have
297 now cleaned it.

298
299 Mr. Stowe stated that meant that after the District had put the ditch too high and flooded them out
300 by about 2 feet of water.

301
302 Manager Wagamon asked if Mr. Stowe had read the court order.

303
304 Mr. Stowe confirmed that he had read some of the court order and was curious about the different
305 numbers.

306
307 President Bradley stated that Mr. Stowe’s question was how they got from 40 acres to 17 acres and
308 the answer was that they cleaned the ditch and if they had originally cleaned the ditch, the District
309 would not have a settlement or an obligation.

310

311 Mr. Stowe stated that he felt that cleaning the ditch was one thing, but the pipe was still set too
312 high.

313
314 President Bradley noted that Mr. Stowe had made his comment and informed Mr. Stowe that he
315 was out of order with his continued comments and interruptions and asked him to sit down.
316

317 Mr. Stowe agreed to sit down and as he was leaving, made an additional statement that the pipe
318 was too high.
319

320 District Administrator Tomczik clarified the reference he had made pointing the Board to the
321 footnote language in District Attorney Kolb's memo on page 108. He explained that District
322 Attorney Kolb had noted that the language used in the settlement was very specific and he was
323 reutilizing that settlement language, which was why he asked President Bradley to read the language
324 used on page 112 of the packet. He explained that a settlement was different than a court order. He
325 noted that this was not a court ordering the District to do something and rather was two parties
326 coming to settlement terms.
327

328 Manager Robertson stated that she wanted to make sure that she understood the way this was read
329 into the record. She noted that in the second paragraph where it mentioned, 'the District
330 committed that when development occurs on two tracts then owned by the Metro Shooting Center
331 Corp. (MSCC) and Trost, the application of the District's wetland rules will not have the result of
332 affording the owner for the MSCC parcel fewer than 100 contiguous non-wetland acres...'.
333

334 President Bradley noted that it was a double negative.
335

336 Manager Robertson agreed that it was kind of a double negative and reiterated that she just wanted
337 to make sure she understood.
338

339 District Attorney Kolb stated that the application of the District's rules would have prevented the
340 land owners from achieving a certain amount of non-wetland contiguous acres and what they were
341 saying with this language was that because current application of those rules continue to restrict
342 the property, so if it was necessary to fill portions of those tracts to achieve the necessary number
343 of contiguous non-wetland acres, then the District would basically satisfy the mitigation
344 requirement under the Rules.
345

346 ***Motion carried 4-0.***
347

348 District Administrator Tomczik noted that last year, when the Board undertook this work, there was
349 also a follow up resolution that the potential obligation should be shown on the credit ledger
350 spreadsheet for Brown's Preserve wetland bank and explained that he had provided that to the
351 Board at the dais to stay consistent with Board direction. He noted that ACD 10-22-32 was removed

352 from the ledger; the Trost property included, as it has been in the past, with a 'to be determined'
353 timeframe and a footnote identifying an 'unknown' property use; and that considering all the
354 estimates are that there will be 14 credits remaining.
355

356 Manager Robertson noted that for the EDA properties that the City of Blaine has to the west of the
357 gun club, they have been having internal dialogue about attempting to wetland bank those
358 properties, because they are heavily delineated with wetlands. She noted that the gun club site was
359 currently zoned as an Office District and would be a mixed use, such as 1/3 retail, 1/3 office, and 1/3
360 industrial.
361

362 **3. Minnesota Watersheds Special Meeting 3/21/2025**

363 District Administrator Tomczik stated that he had sent materials via e-mail on February 24, 2025,
364 explained that there would be a Minnesota Watersheds Special Meeting on March 21, 2025, in
365 Waite Park regarding proposed changes to the resolutions and legislative priorities. He explained
366 that the Board needed to appoint delegates to attend the special meeting and vote accordingly.
367

368 President Bradley stated that he had spent a few hours while he was on vacation attending a
369 meeting regarding draft rules. He explained that the overall thought was that they needed to
370 accelerate their legislative package earlier, and in order to do that, they needed to uncouple it from
371 the annual meeting. He gave a brief overview of the discussions that had taken place on this issue,
372 and that the ultimate plan is to hold the Special Meeting. He noted that because he had been
373 involved in the committee, he felt obligated to offer himself as a potential delegate for the Special
374 Meeting.
375

376 District Administrator Tomczik noted that Minnesota Watersheds wanted to know the delegates
377 would be attending because they wanted to make sure that they had a quorum for the Special
378 Meeting.
379

380 Manager Weinandt stated that she attended the Board meetings for Minnesota Watersheds
381 because she gives reports from the Clean Water Council where they discussed this and asked if they
382 needed 43 total delegates, but not every watershed district had to be represented. She asked if at
383 the meeting they were simply deciding that they would change the method of how they do this.
384

385 President Bradley explained that the goal was to adopt authorized Minnesota Watersheds bylaws
386 to put in place something that, come August, they could start implementing and voting on
387 resolutions.
388

389 Manager Weinandt stated that she would be happy to have President Bradley serve as a delegate
390 for the special meeting and noted that if they ended up being short of the required delegates that
391 she could also attend.
392

393 ***Motion by Manager Bradley, seconded by Manager Robertson, to Appoint Manager Bradley and***
394 ***Manager Weinandt to serve as delegates for the Minnesota Watersheds Special Meeting on***
395 ***March 21, 2025.***

396
397 ***Motion carried 4-0.***

398
399 District Administrator Tomczik reminded the Board that when the delegates vote on issues, such as
400 the proposed language changes, their vote should reflect the District’s policy positions on matters,
401 as they saw fit.

402
403 **4. Check Register February 26, 2025, in the Amount of \$402,873.20 and February Interim Financial**
404 **Statements Prepared by Redpath and Company**

405
406 Manager Weinandt pointed out an item in the check register to District Administrator Tomczik and
407 asked if he had found out what a specific line item was for.

408
409 Office Manager Stasica explained that it was for 2 Stormwater Management Grant reimbursements.

410
411 Manager Weinandt referenced page 215 of the packet and explained that she wanted to point out
412 the line item that was just explained by Office Manager Stasica and noted that this was where you
413 can connect what happens in the payment to the staff reports. She explained that they would see a
414 surety release of \$1,000 that was put in place in 1997 because the historic records were being
415 reviewed and staff have been meeting about it and getting those taken care of, as a group.

416
417 ***Motion by Manager Weinandt, seconded by Manager Robertson, to approve check register dated***
418 ***February 13 through February 26, 2025, in the Amount of \$402,873.20 and February Interim***
419 ***Financial Statements prepared by Redpath and Company. Motion carried 4-0.***

420
421 Manager Wagamon asked about the legal expenses shown for Smith Partners and if it was due to
422 winding down their involvement and switching over to Rinke Noonan.

423
424 Manager Weinandt confirmed that was correct.

425
426 District Administrator Tomczik clarified that it is for the transition period that District Attorney Kolb
427 had spoken to the Board about at a previous workshop meeting.

428
429 **ITEMS FOR DISCUSSION AND INFORMATION**

430 **1. Audit Update/Outstanding Receivables**

431 Manager Weinandt stated that the District was in the middle of its audit and explained that she
432 wanted to point out that there was one outstanding receivable for \$45,800 which was first billed on
433 December 28, 2023. She noted that another invoice was sent on February 11, 2024, and suggested

434 that at their next Workshop meeting, they discuss further action if payment had still not been
435 received. She stated that they were trying to clean up this type of thing before the 2024 audit was
436 completed.

437

438 **2. Staff Reports**

439 Manager Weinandt stated that the Board sees a very limited amount of what District staff actually
440 do and noted that she very much enjoyed seeing and making connections about all the work that
441 staff actually does and asked if they were fully staffed or if they had any open positions.

442

443 District Administrator Tomczik stated that they did not have any open positions.

444

445 Manager Weinandt expressed her appreciation to staff for the work they have been doing on the
446 historic permits and their efforts over the last year to get them cleaned up.

447

448 **3. March Calendar**

449 District Administrator Tomczik noted that the March calendar could be found on page 164 of the
450 packet and stated that the Minnesota Watersheds special meeting had been included.

451

452 President Bradley asked if Manager Robertson would be able to make the 5:30 p.m. meeting on
453 March 5, 2025.

454

455 Manager Robertson confirmed she would be able to attend the March 5, 2025 meeting.

456

457 **4. Administrator Updates**

458 District Administrator Tomczik noted that there was a new State law for paid family and medical
459 leave program and explained that he was working with a potential HR firm and Rinke Noonan on
460 how this may impact the District. He stated that the District was working on an application to the
461 Minnesota Pollution Control Agency for an implementation grant on stormwater resilience for the
462 Jones Lake project, potentially \$5 million, and all opportunities require financial matches. He stated
463 that the District was continuing to engage with elected officials on potential future bonding
464 opportunities. He stated that he would also like to say that he was open to any Board direction
465 regarding comments from Mr. Stowe during open microphone at today's meeting. He stated that
466 his recollection of the letter Mr. Stowe had handed out was that it had been an attachment to an e-
467 mail, so the date would have been when the e-mail was sent.

468

469 Manager Wagamon stated that he needed to look at that information again.

470

471 District Administrator Tomczik stated that because the Board was juggling a lot of other issues, their
472 March workshop meeting was already rather full, but assured the Board that he kept track of these
473 kinds of items.

474

475 **5. Managers Update**

476 Manager Weinandt stated that she completed her training related to security and gave a brief
477 overview of recent topics and noted that she would recommend that the Board complete this
478 training.

479
480 Manager Robertson stated that she had a meeting with the city manager from Circle Pines earlier
481 this week regarding what was referenced in the audit. She stated that Circle Pines had gotten a very
482 thorough report back from WSB and explained that they intended to reach out to the District in the
483 next few weeks to set up a time to go through the data from the work they did with WSB related to
484 the phosphate and sediment levels. She noted that she would be happy to facilitate the meetings,
485 but for her to serve as the go-between did not seem like the most responsible thing to do.

486
487 Manager Weinandt explained that the issue she brought up surrounding the audit actually had
488 nothing to do with the issue just shared by Manager Robertson and were two separate actions.

489
490 Manager Robertson agreed that they were two separate actions, but felt that they were related and
491 briefly shared her interpretation on the feelings of Circle Pines around the situation.

492
493 President Bradley noted that he planned to reach out to Manager Waller later today in order to let
494 him know that the Board cared.

495
496 **ADJOURNMENT**

497 ***Motion by Manager Robertson, seconded by Manager Wagamon, to adjourn the meeting at 10:19 a.m.***
498 ***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
25-006	C Lino LLC	Lino Lakes	Final Site Drainage Plan Land Development	CAPROC 7 items
25-010	Ramsey County	Arden Hills	Final Site Drainage Plan Land Development	CAPROC 7 items
25-013	Protofab Holdings, LLC	Blaine	Final Site Drainage Plan	CAPROC 4 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 March 4, 2025.

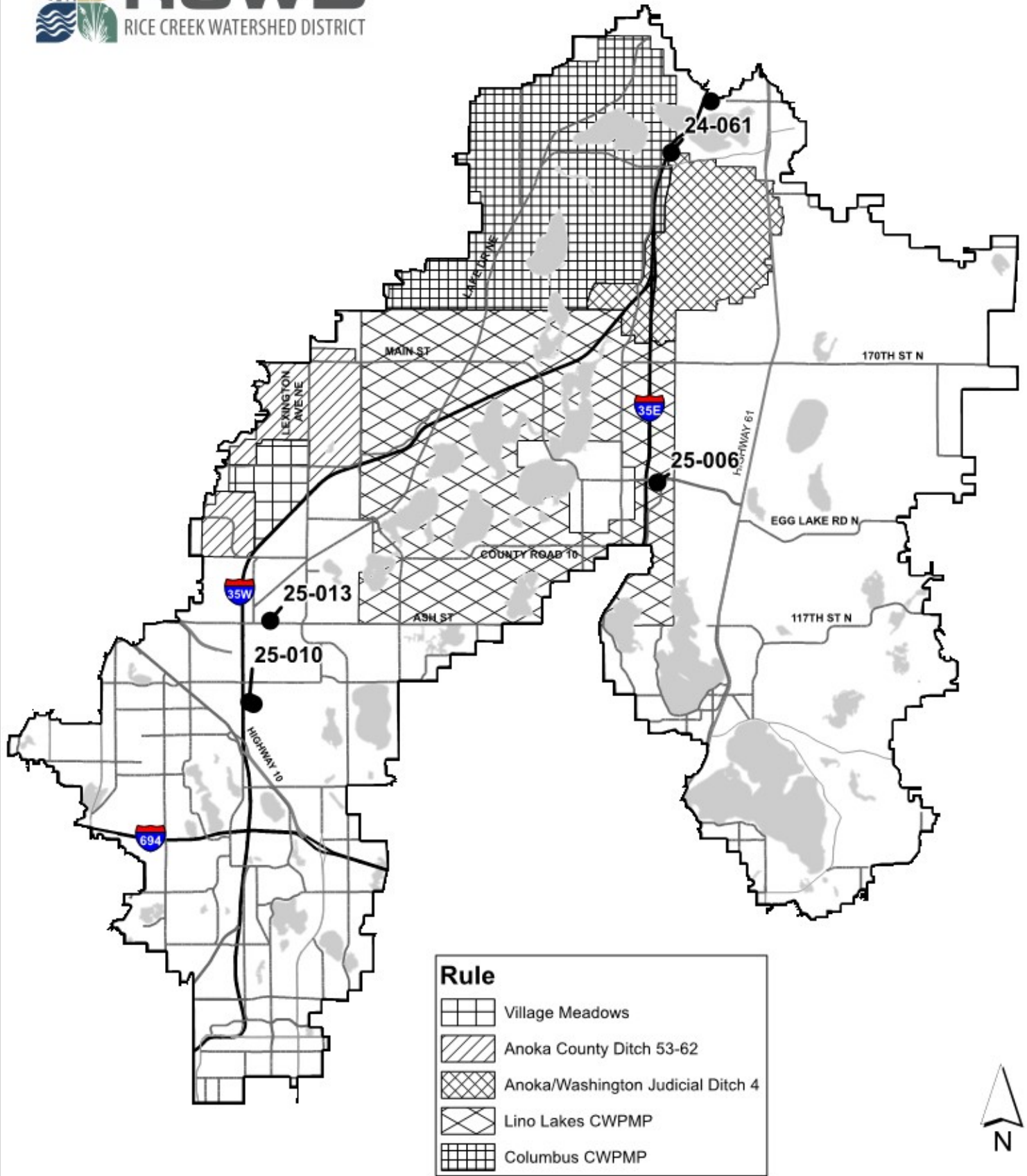
**RICE CREEK WATERSHED DISTRICT
CONSENT AGENDA**

March 12, 2025

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

TABLE OF CONTENTS

Permit Application Number	Applicant	Page	Recommendation
Permit Location Map		19	
25-006	C Lino LLC	20	CAPROC
25-010	Ramsey County	26	CAPROC
25-013	Protofab Holdings, LLC	32	CAPROC



Permit Reviews
03/12/2025 Agenda



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

Permit Application Number:

25-006

Permit Application Name:

Aldi Lino Lakes

Applicant/Landowner:

C Lino LLC
Attn: Paul Schreier
3435 Labore Rd Suite 150
Vadnais Heights, MN 55110
Ph: 651-330-2403
paul@tymeproperties.com

Permit Contact:

ISG
Attn: Andrea Rand
7900 International Drive Suite 550
Minneapolis, MN 55425
Ph: 952-426-0699
andrea.rand@isginc.com

Project Name: Aldi Lino Lakes

Purpose: FSD – Final Site Drainage, LD – Land Development; Site Development for a new Aldi grocery store.

Site Size: 27.0± acre parcel / 2.41 ± acres of disturbed area; existing and proposed impervious areas are 0.07 ± acres and 2.41 ± acres, respectively

Location: SE corner of I-35 & Main Street, Lino Lakes

T-R-S: NE ¼, Section 24, T31N, R22W

District Rule: C, D

Recommendation: CAPROC

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

Conditions to be Met Before Permit Issuance:

Rule C - Stormwater

1. Per Rule C.9(d)(3), stormwater ponds must be designed to provide an outlet structure capable of preventing migration of floating debris and oils for at least the one-year storm: Applicant must revise the inlet pipe to be fully submerge a minimum of 12" below the normal water elevation. Ensure the OCS detail is consistent with the utility sheet.

Rule D – Erosion and Sediment Control

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

Administrative

3. 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.

4. 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 Lino Lakes).
5. 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.
6. 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.
7. The applicant must submit a cash surety of \$13,100 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 \$1,500 for 2.41 acres of disturbance and \$11,600 for 23,272 CF of storm water treatment.

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

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

Exhibits:

1. Updated plan set containing 25 sheets dated 2-7-2025 and received 2-21-2025
2. Permit application, dated 1-7-2025 and received 1-14-2025
3. Geotechnical report, dated 11-4-2024 and received 1-14-2025
4. Updated Stormwater Calculations, dated 2-21-2025 and received 2-21-2025, containing narrative, responses to insufficient comments, drainage maps, soil borings, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
5. Updated Stormwater Calculations, dated 2-7-2025 and received 2-11-2025, containing narrative, responses to insufficient comments, drainage maps, soil borings, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
6. Stormwater Calculations, dated 1-13-2025 and received 1-14-2025, containing narrative, drainage maps, soil borings, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
7. Comment response letter, dated and received 2-21-2025.
8. Comment response letter, dated and received 2-11-2025.
9. Review files 24-209R & 22-282R

Findings:

1. Description – The project proposes to construct a new Aldi grocery store on a 27.0± acre parcel located in Lino Lakes. The project will increase the impervious area from 0.07± acres to 2.41± acres and disturb 2.41± acres overall. Majority of the flow from the project will drain to the proposed pond, which discharges to wetland southwest of the site. A small portion of the site discharges east to an existing storm sewer system. Both the existing storm sewer and the wetland discharge to JD 3, which ultimately drains to Peltier Lake, the Resource of Concern (ROC). 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
NURP Pond	Western property line	0.533 acre feet	0.534 acre feet	913.5

Soils on the surface of site are primarily HSG B consisting of silty sands (SM), however soils below the surface are HSG D consisting of sandy lean clay (CL). Thus, infiltration is not considered feasible and the NURP Pond is acceptable to meet the water quality requirement. The new/reconstructed area is 2.41± acres. Per Rule C.6(c)(1), the Water Quality requirement is governed by the NURP sizing requirement of 2.5-inches of run-off over the contributing area to the pond.

The pond sizing, and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 96% of the required impervious area. Additional TSS removal is not practicable. The applicant must ensure skimming is provided. Otherwise, the applicant has met all the Water Quality requirements of Rule C.6.

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
East towards Existing Storm Sewer	0.3	0.1	0.4	0.2	0.7	0.3
Southwest towards Wetland 3	0.7	0.9	4.4	3.6	15.3	15.7
Totals	0.9	0.9	4.8	2.9	15.9	15.6

*The difference between totals and points of discharge is due to time of peak.

The project is not located within the Flood Management Zone. The increase to wetland 3 in the 100-year event is considered within the tolerance of the model. The applicant has complied with the rate control requirements of Rule C.7.

The applicant has complied with the Rule C.8 Bounce and Inundation requirements for slightly susceptible wetlands and the freeboard requirements of Rule C.9(g).

3. Wetlands – Wetlands were delineated under review file 22-282R with boundary decision, which remains valid, issued on 1-18-2023. The project area is located within the Lino Lakes CWPMP boundary but is not subject to Wetland Management Corridor (WMC) requirements as there is no mapped WMC on site. The project will not impact any wetlands.
4. Floodplain – The site is not in a regulatory floodplain.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrances, inlet protection and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheets C-110-111. 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 within 1 mile of JD 3 which is impaired for nutrients.
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable.

8. Documenting Easements and Maintenance Obligations –Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).
9. Previous Permit Information – The wetland delineation is located under review file 22-282R and pre-application questions can be found under 24-209R.

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

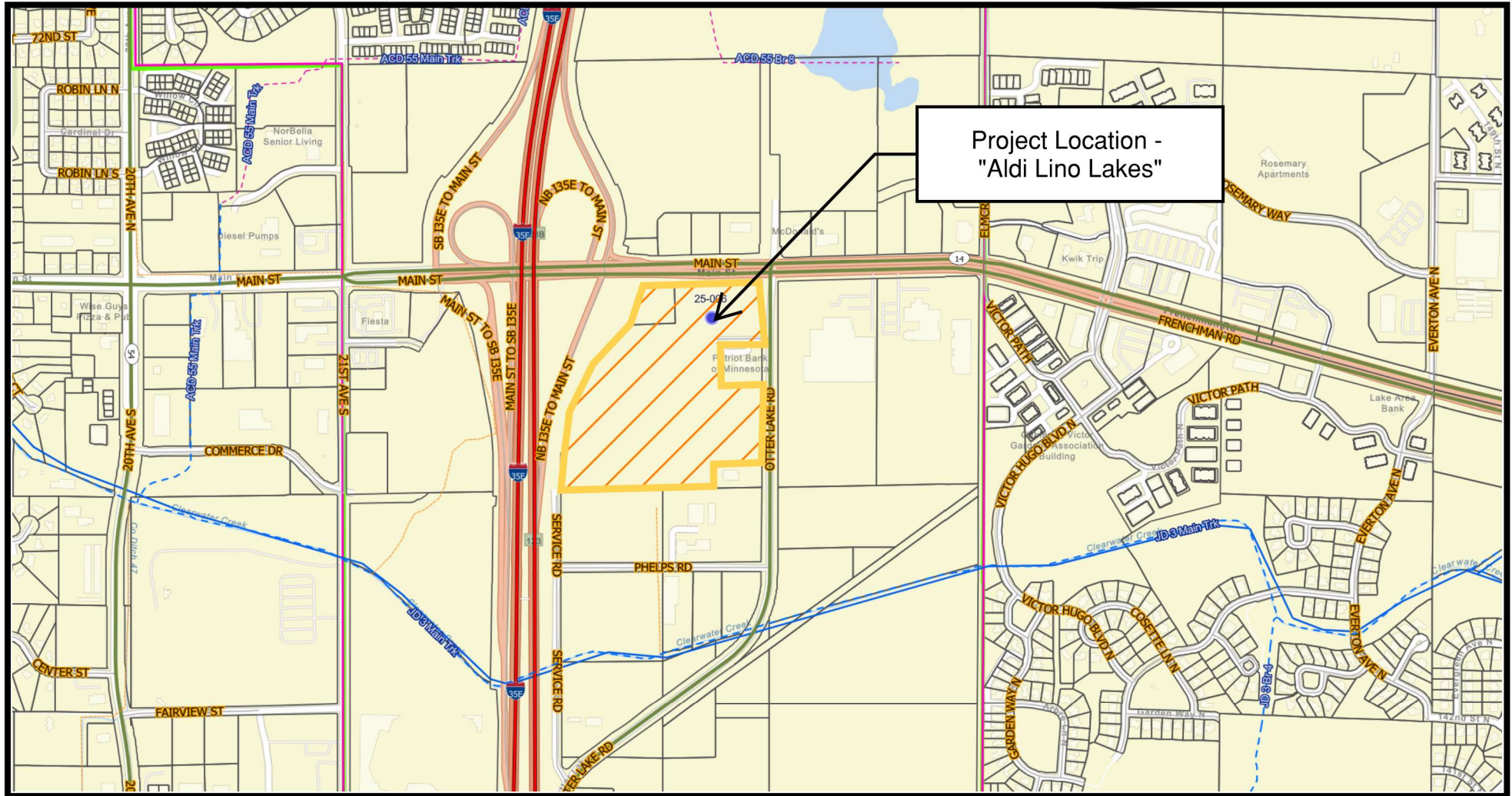
Belle Reeve 03/04/2025

Belle Reeve, EIT

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

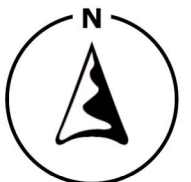
K. MacDonald 03/04/2025

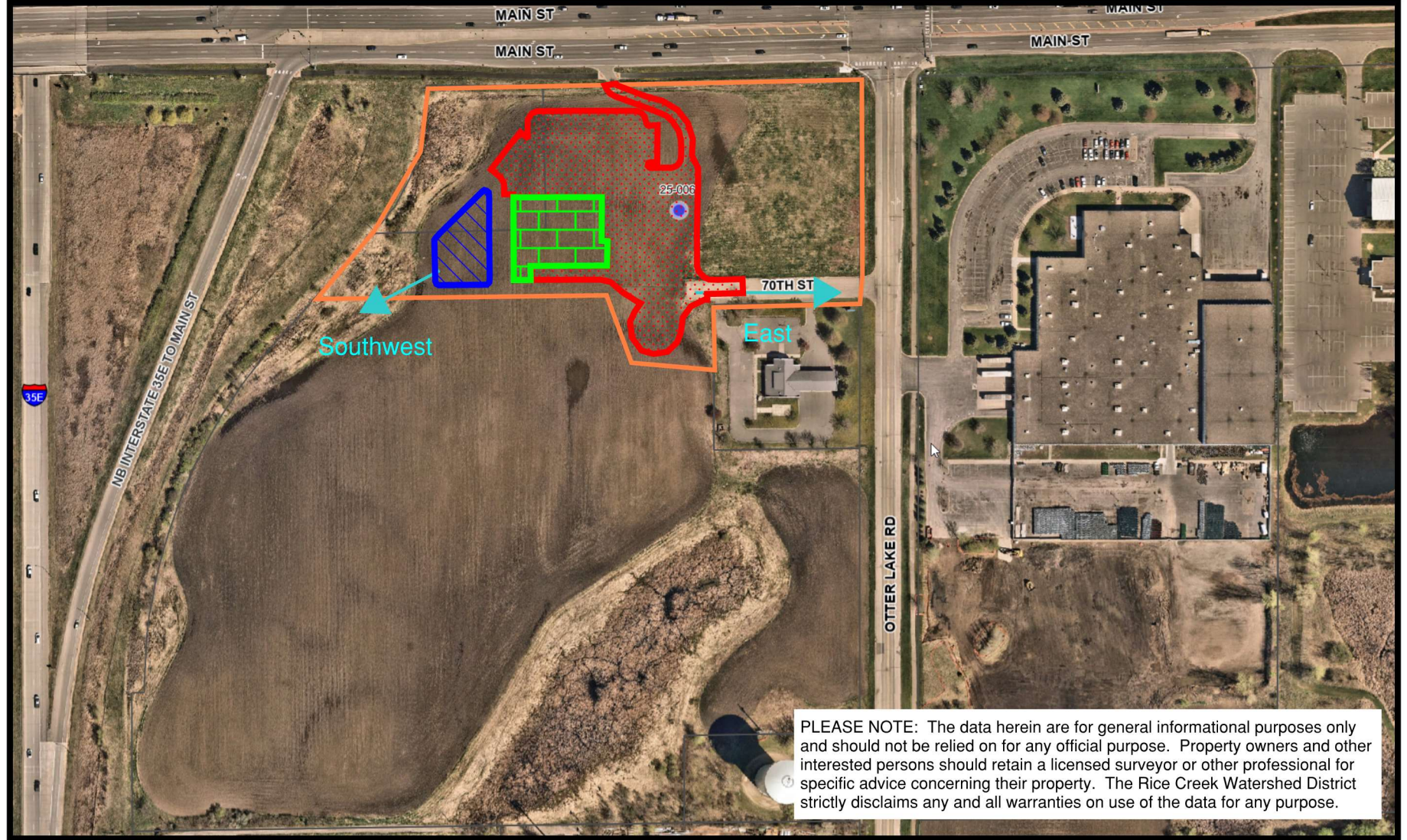
Katherine MacDonald, MN Reg. No 44590








Legend

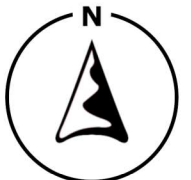
-  Lino Lakes CWPMP
-  Project Location
-  Public Waterway
-  Public Ditch - Open Channel
-  Public Ditch - Tile
-  Private Ditch





Legend

-  Project Location
-  Proposed Building
-  New Impervious Area
-  Drainage Arrow
-  Nurp Pond





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

Permit Application Number:

25-010

Permit Application Name:

Rice Creek Commons Outlot A Building 1

Applicant/Landowner:

Ramsey County
Attn: Larina DeWalt
15 West Kellogg Boulevard Courthouse 210
St. Paul, MN 55102
Ph: 651-440-2879
larina.dewalt@co.ramsey.mn.us

Permit Contact:

Ryan Companies US, Inc.
Attn: Chad Lockwood
533 South 3rd Street STE 100
Minneapolis, MN 55415
Ph: 612-492-4000
chad.lockwood@ryancompanies.com

Project Name: Rice Creek Commons Outlot A Building 1

Purpose: FSD – Final Site Drainage, LD – Land Development; Construction of an office/manufacturing building and associated site, utility and stormwater management improvements

Site Size: 40.1± acre parcel / 11.50 ± acres of disturbed area; existing and proposed impervious areas are 0± acres and 7.68± acres, respectively

Location: Outlot A of the Rice Creek Commons area, Arden Hills

T-R-S: NW ¼, Section 9, T30N, R23W

District Rule: C, D

Recommendation: CAPROC

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

Conditions to be Met Before Permit Issuance:

Rule C – Stormwater

1. Applicant must demonstrate permission for the proposed outlet pipe from the infiltration basin to extend onto the adjacent property.

Rule D – Erosion and Sediment Control

2. 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.
 - (f) Clear identification of all permanent erosion control measures. Applicant must show permanent stabilization at the storm sewer discharge points.
 - (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).
 - (i) A Storm Water Pollution Prevention Plan for projects that require an NPDES Permit.

Administrative

3. 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 weir elevation is labeled in the OCS detail.
4. 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 Arden Hills).
5. 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.
6. 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.
7. The applicant must submit a surety of \$21,300 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 \$6,000 for 11.5 acres of disturbance, and \$15,300 for 30,692 CF of storm water treatment.

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

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

Exhibits:

1. Updated plan set containing 21 sheets dated and received 2-21-2025
2. Permit application, dated 1-16-2025 and received 1-17-2025
3. Revised Stormwater Calculations, dated and received 1-17-2025, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
4. Stormwater Calculations, dated and received 2-21-2025, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
5. Preliminary geotechnical recommendations, dated and received 1-17-2025
6. Additional geotechnical borings, dated 1-27-2025, received 2-21-2025
7. Review file 24-103R
8. Permit file 15-036

Findings:

1. Description – The project proposes to construct an office/manufacturing building and associated site, utility and stormwater management improvements on a 40.1± acre parcel located in Arden Hills. The project will increase the impervious area from 0± acres to 7.68± acres and disturb 11.5± acres overall. Drainage patterns will not change. Flows from the east and northeast discharge points drain east directly towards Rice Creek. Flows to the north drain to Rice Creek via the adjacent site to the north. Flows to the northwest drain to Old Highway 8 and then to Rice Creek. Rice Creek drains to Long Lake, the Resource of Concern. The applicant has submitted a \$5,400 application fee for a Rule C permit creating 5 or more acres of new and/or reconstructed impervious surface.

The project is located within the area designated as Outlot A of the Rice Creek Commons CSMP. The CSMP set forth the design priorities for the former Twin Cities Army ammunition site. Outlot A was designated as an area where the assessment of infiltration was required.

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

Proposed BMP Description	Location	Pretreatment	Volume provided	EOF
Surface infiltration basin	North property line, approximately 500 feet south of the site	Sump w. SAFL in STMH-110	31,304± cubic feet	891.5

Soils on site are primarily HSG A/B consisting of silty sands (SM) and poorly graded sand with silt (SP-SM). Thus, infiltration is considered feasible and used to meet the water quality requirement. Per Rule C.6(c)(1), the Water Quality requirement is 1.1-inches over the new/reconstructed area (7.68± acres) for a total requirement of 30,692± cubic feet.

Adequate pre-treatment has been provided. Drawdown is expected within 48-hours using an appropriate rate of 0.45 inches per hour. The minimum separation of three feet has been provided from the seasonal high water table. The project is located within a DWSM area, but not within the 1-year emergency response zone. The applicant has treated 99% of the required impervious 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(a).

Point of Discharge	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
To north	0.1	0.2	0.5	0.4	1.8	0.9
To northeast	0.9	1.5	3.5	3.5	12.7	8.5
To northwest	0.2	0.8	0.9	1.6	2.9	3.6
To east	2.2	2.0	8.8	6.5	30.7	29.8
Totals*	3.0	2.1	11.5	6.8	41.0	30.5
80% of existing	2.4		9.2		32.8	

*Differences due to time of concentration

The project is located within the Flood Management Zone. The key point increases are minor and not expected to cause adverse impacts. The applicant has complied with the rate control requirements of Rule C.7.

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

3. Wetlands – Wetland information was submitted under review file 24-103R. A boundary decision, which remains valid, was issued on 6-25-2024, and determined that no wetlands were located within the project area.
4. Floodplain – The site is not in a regulatory floodplain.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrances, inlet protection, erosion control blanket, ditch checks and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. The information listed under the Rule D – Erosion and Sediment Control section above must be submitted. Otherwise, the project complies with RCWD Rule D requirements. The project is within 1 mile of Rice Creek which is impaired for nutrients.
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable.
8. Documenting Easements and Maintenance Obligations –Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).
9. Previous Permit Information – A wetland boundary determination can be found under review file 24-103R. The Rice Creek Commons CSMP was reviewed under file 15-036.

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.



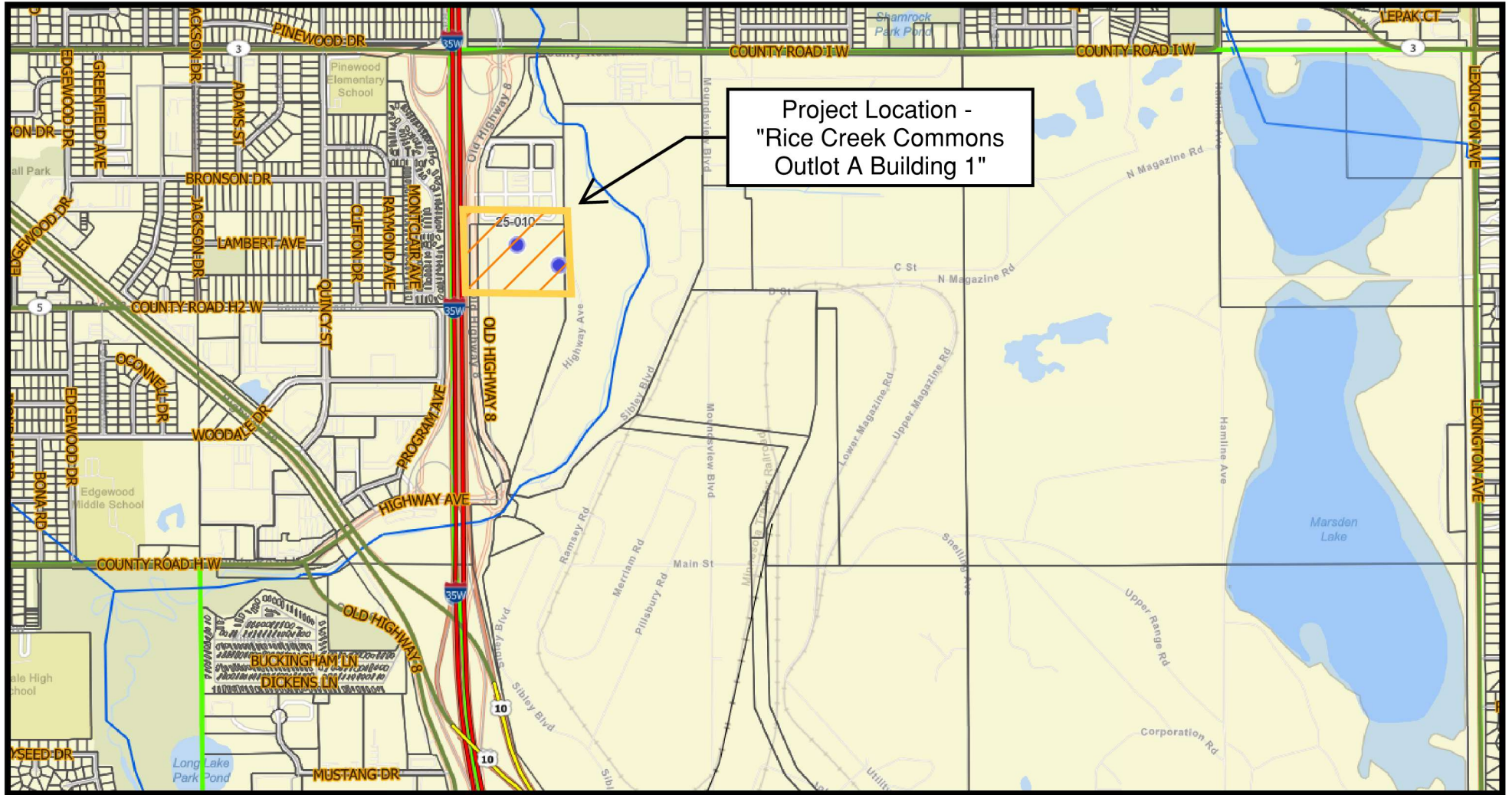
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Greg Bowles, MN Reg. No 41929



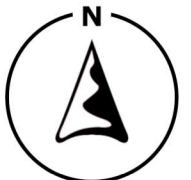
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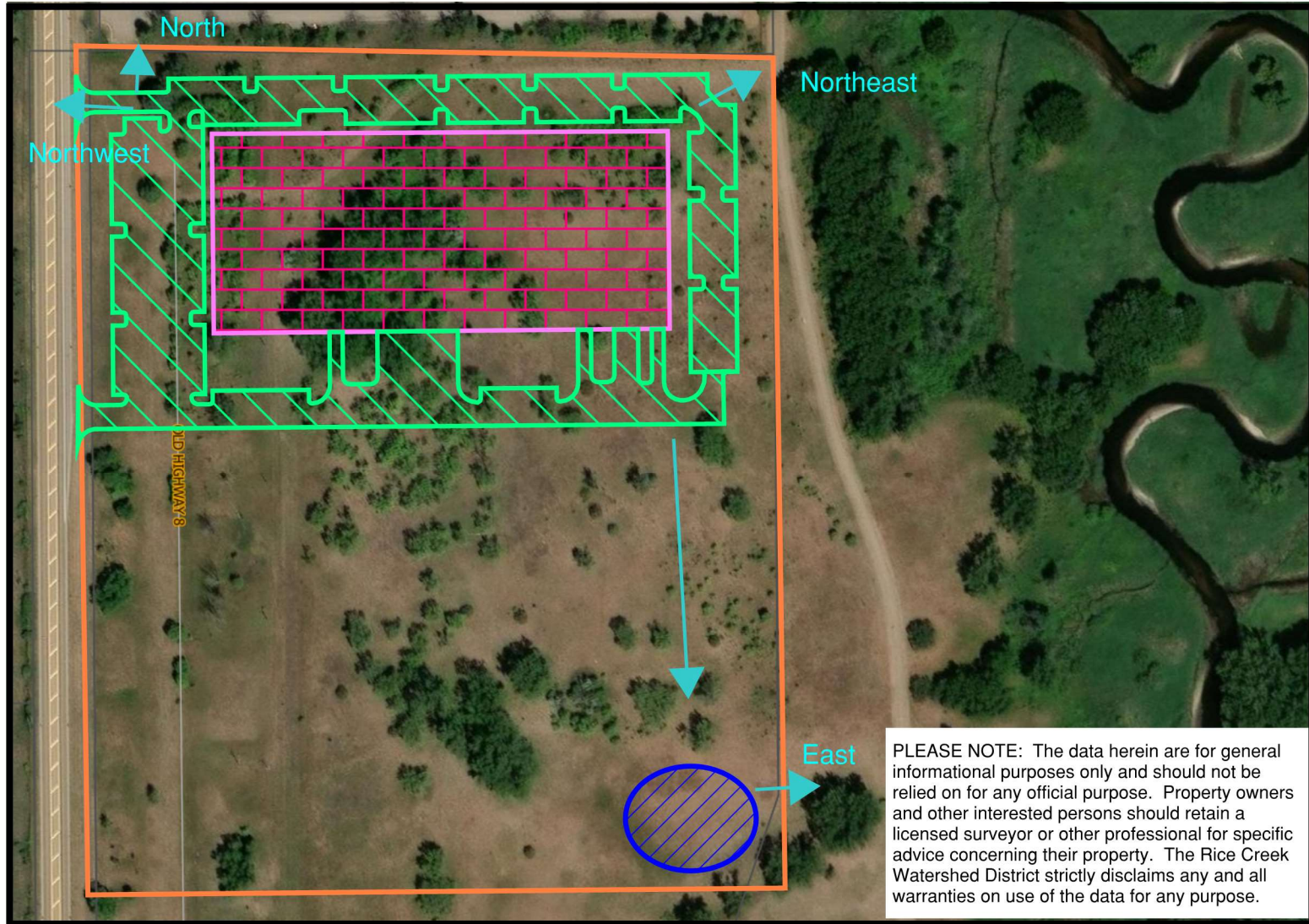
Katherine MacDonald, MN Reg. No 44590



Legend






-  Project Location
-  Public Waterway

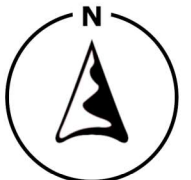




PLEASE NOTE: The data herein are for general informational purposes only and should not be relied on for any official purpose. Property owners and other interested persons should retain a licensed surveyor or other professional for specific advice concerning their property. The Rice Creek Watershed District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

Legend

-  Project Location
-  Parking
-  Building
-  Infiltration basin
-  Drainage Arrow





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

Permit Application Number:

25-013

Permit Application Name:

Profab Engineering

Applicant/Landowner:

Profab Holdings, LLC
Attn: John Nelson
10004 Goodhue St NE
Blaine, MN 55449
Ph: 763-792-4018
jnelson@profabengineering.com

Permit Contact:

Plowe Engineering, Inc.
Attn: Mohammad Abughazleh
6776 Lake Drive Suite 110
Lino Lakes, MN 55014
Ph: 651-361-8237
moe@plowe.com

Classic Construction
Attn: Kristin Erickson
18542 Ulysses Street NE
East Bethel, MN 55011
Ph: 763-434-8870
Fx: 763-434-7120
kristin@classicconstructioninc.com

Project Name: Profab Engineering

Purpose: FSD – Final Site Drainage; Building and parking additions

Site Size: 5.4± acre parcel / 2.25 ± acres of disturbed area; existing and proposed impervious areas are 2.26 ± acres and 4.05 ± acres, respectively

Location: 8531 Rendova St NE, Blaine

T-R-S: SW ¼, Section 35, T31N, R23W

District Rule: C, D

Recommendation: CAPROC

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

Conditions to be Met Before Permit Issuance:

Rule C - Stormwater

1. Provide pre-treatment prior to discharge to the wetland at the south corner of the property. Additionally provide additional stabilization along/at the base of the retaining wall.

Rule D – Erosion and Sediment Control

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

Administrative

3. 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.
4. The applicant must submit a cash surety of \$1,500 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The surety is based on \$1,500 for 2.25 acres of disturbance.

Stipulations: None.

Exhibits:

1. Preliminary plan set containing 6 sheets dated 2-13-2025 and received 2-14-2025
2. MS4 Permit application receipt, received 1-29--2025
3. Stormwater Calculations, dated 2-13-2025 and received 2-14-2025, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
4. Unapproved delineation map, no date, received 2-14-2025.
5. Permit file 18-062

Findings:

1. Description – The project proposes to construct a building addition and parking lot expansion on a 5.4± acre parcel located in Blaine. The project will increase the impervious area from 2.26± acres to 4.05± acres and disturb 2.25± acres overall. Drainage patterns will remain unchanged, flowing to the property edge, and then around and north to ARJD 1 Branch 2 Lateral 1 and ultimately reaching Long Lake, the Resource of Concern. The applicant has submitted a \$3,000 application fee for a Rule C permit creating less than 5 acres of new and/or reconstructed impervious surface.
2. Stormwater – The applicant is proposing the BMP as described below for the project:

Existing BMP Description	Location	NURP requirement	As-built Volume provided	EOF
Existing NURP Basin (P1)	Western Property line	32,805 CF	33,340 CF	907.9

Under permit 18-062, the applicant has identified the presence of soil contamination within or in the vicinity of the project site; therefore, infiltration is not considered feasible on site and a NURP pond is acceptable to meet the water quality requirements. The applicant has provided enough dead storage for 2.5 inches over the contributing area for full building out of the site (4.05± acres) which includes the original site construction under permit 18-062 and the proposed expansion.

The pond sizing, and outlets and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 87% of the required impervious area. The applicant must treat TSS prior to discharge into the wetland as noted in Condition 1. Otherwise, the applicant has met all the Water Quality requirements of Rule C.6.

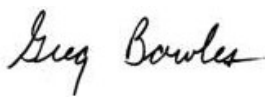
Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
To ARJD 1	10.4	6.3	17.5	9.6	34.0	16.2
80% of Existing	8.3		14.0		27.2	

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

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

3. Wetlands – A wetland delineation and no-loss request was originally submitted under Permit 18-062. The no-loss request was approved but the delineation was found to be incomplete, and the boundaries were never reviewed or approved. The new project will not impact the unapproved wetland boundaries from the 2018 application. Staff have reviewed potential wetland areas utilizing all desktop resources available and are comfortable that the project will not impact wetland.
4. Floodplain – The regulatory floodplain onsite is at an elevation of 904.98 NAVD 88 and is present on the northwest corner of the site. The applicant is not proposing any floodplain impacts.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrance, and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheets C4.1 and C4.2. 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.
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable.
8. Documenting Easements and Maintenance Obligations – An easement was not required, and an acceptable maintenance declaration was received under permit 18-062.
9. Previous Permit Information – The original site and NURP Pond were constructed under permit 18-062. An acceptable as-built was received.

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.



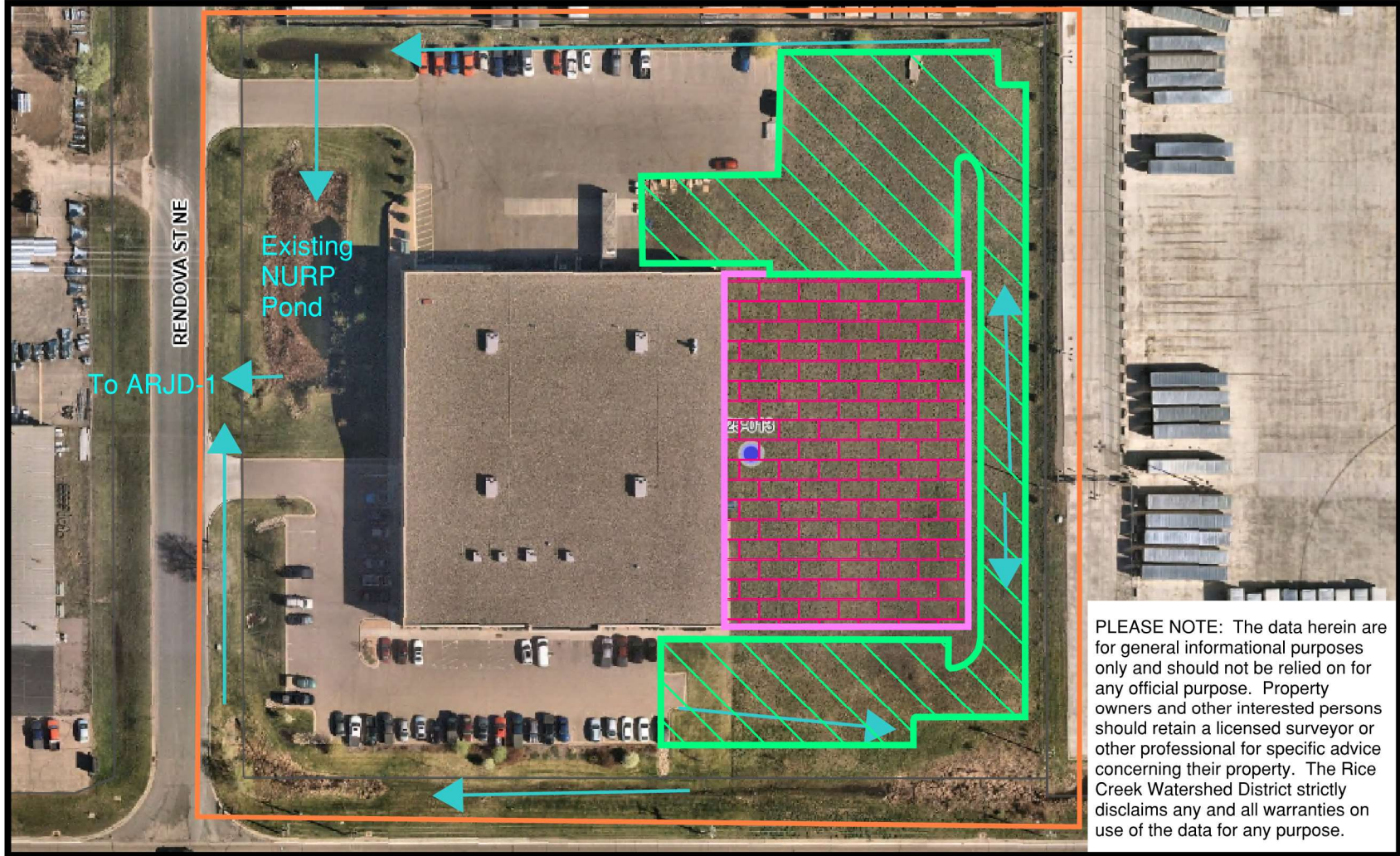
03/04/2025

Greg Bowles, MN Reg. No 41929



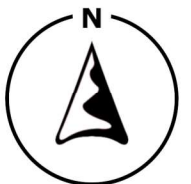
03/04/2025

Katherine MacDonald, MN Reg. No 44590



Legend

- Project Location
- Parking Lot Expansion
- Building Addition
- Drainage Arrow



Water Quality Grant Program Cost Share Application (Molly Nelson)

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reduction	Funding Recommendation
R25-01	Christ the King Church	New Brighton	Raingarden (2)	\$19,002.50	Volume: 20,298 cu-ft/yr TSS: 69 lbs/yr TP: 0.38 lbs/yr	75% cost share of \$10,000 not to exceed 75%; or \$10,000 whichever cost is lower

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD Outreach and Grants Technician’s Recommendations dated February 26, 2025.

MEMORANDUM

Rice Creek Watershed District



Date: February 26th, 2025
To: RCWD Board of Managers
From: Molly Nelson, Outreach and Grants Technician
Subject: Water Quality Grant Application, R25-01 Christ the King Church Raingardens

Introduction

R25-01 Christ the King Church Raingardens

- Applicant: Christ the King Church, New Brighton
- Location: 1900 7th Street NW, New Brighton, MN 55112
- Total Eligible Project Cost: \$19,002.50
- RCWD Grant Recommendation: \$10,000.00 (75%)

Background

This Water Quality Grant application proposes the installation of two raingardens in the parking lot of Christ the King Church in the City of New Brighton. The purpose of installing two raingardens at this location is to treat stormwater runoff from the impervious surfaces on the property before entering the storm sewer system and reduce stormwater runoff velocity across the landscape. This project will ultimately help with water quality and volume control for stormwater runoff into Long Lake, which is an impaired waterbody listed by the MPCA and the outlet for the Rice Lake regional water trail. This project is also located near Highview Middle School, Bel Air Elementary School, and Hansen Park which has an RCWD iron enhanced sand filter. RCWD staff and Growing Green Hearts LLC are currently working on education and outreach collaborations with the schools and plan to utilize this project for additional public outreach opportunities.

The Ramsey County Parks and Recreation Soil and Water Conservation Division (RSWCD) created a design for the project and provided recommendations that have been included in the design. The project as proposed is designed to construct two raingardens with two inlet sump structures and a native planting plan. RCWD staff are comfortable with the design presented. The total treated catchment area for the project is 26,074 square feet. The estimated pollutant reductions for the proposed project are: 20,298 cu-ft./yr reduction in volume, 69 lbs./yr reduction in total suspended solids (TSS), and a 0.38 lbs./year reduction in total phosphorus (TP). The project location scored a value of 28 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The applicant obtained 2 bids for the project:

- Sandstrom Land Management: \$19,002.50
- Kyanite Design: \$38,692.75

The church community will also be completing some of the planting labor and providing some self-grown native plants for the project. The RSWCD provided a materials cost-estimate amounting to \$15,857.05 which is less than what was presented in the bids for the project.

The project application was discussed at the CAC meeting on March 5th, 2025. The CAC was supportive of the project and recommended it as presented. Motion carried 8-0.

Staff Recommendation

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for R25-01 Christ the King Church Raingardens.

Request for Proposed Motion

Manager _____ moves to authorize the Administrator, on advice of counsel, to approve the Water Quality Grant Contract for R25-01 of \$10,000.00 not to exceed 75% of eligible project costs or up to \$10,000.00, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

Attachments

Water Quality Grant R25-01 Christ the King Church application documents.



To: RCWD Advisory Committee
From: Nick Neylon: Environmental Resource Specialist
Date: 2/21/2025
Re: Christ the King Church Cost Share Application

Project: R25-01

1900 7th Street NW
 New Brighton, MN 55112
 Raingarden

Material & Labor Estimate: \$19,002.50
Cost Share Request: \$10,000

Background:

The proposed Raingarden is located at a church property in New Brighton. Currently, water runs off the parking lot untreated into the storm sewer.

The proposed project is to create a raingarden to collect runoff from the parking lot. Water will run across impermeable surfaces into sump structures, and into a native planted raingarden. 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 26,074 square feet. It is 77% impervious and includes pavement and turf grass.

This work will also engage the church community as they will be providing labor and some materials to the project. It will be a project visible from the road.

Recommendation:

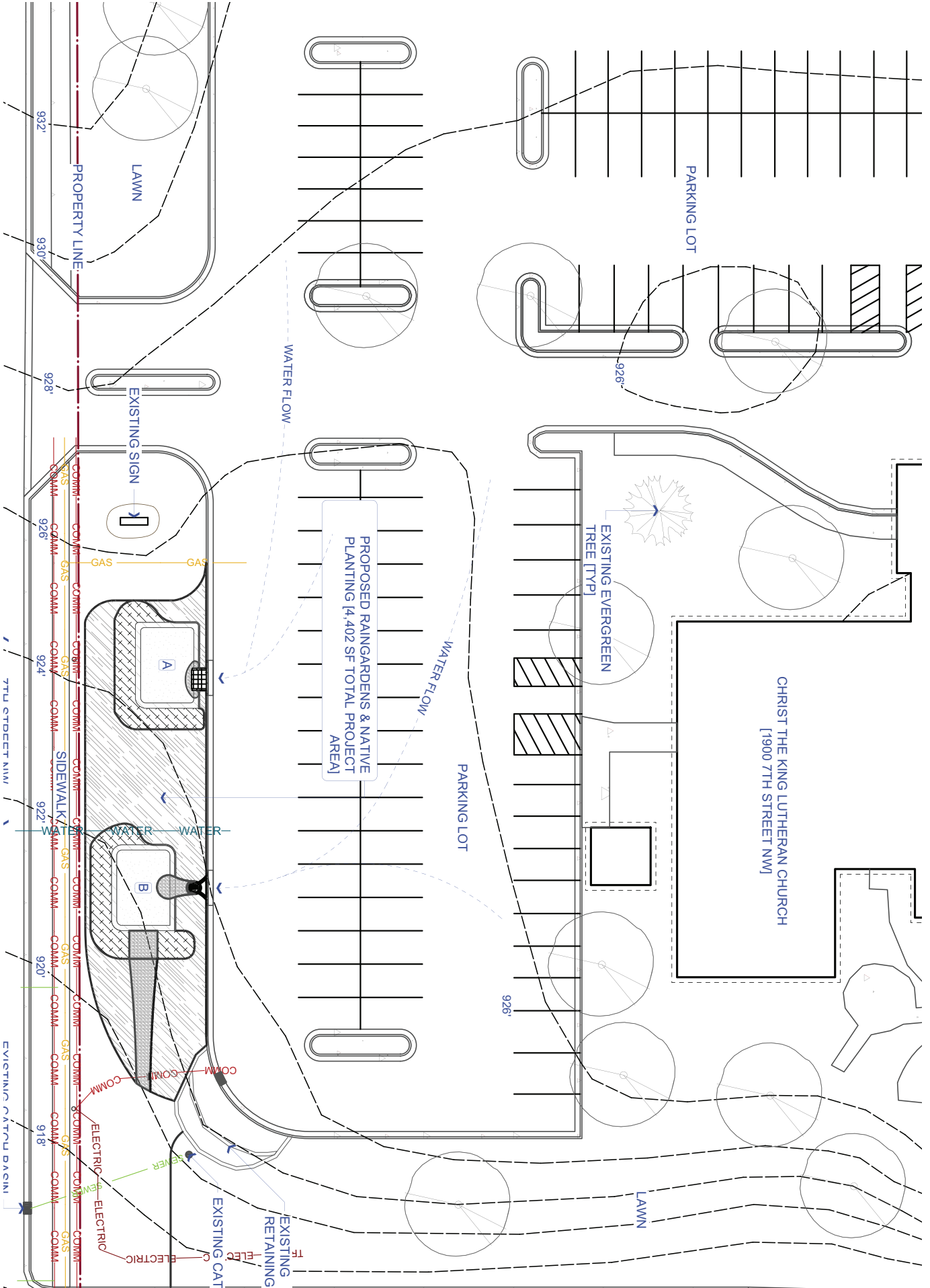
It is my recommendation that this project be awarded cost share in the amount of \$10,000.00 or 75% of the eligible project costs, whichever is less.

Pollution Reductions:

	<i>Before</i>	<i>After</i>	<i>Reduction</i>	<i>Red. %</i>
Volume (cu-ft/yr)	45,794	25,395	20,298	44%
TSS (lbs/yr)	156	87	69	44%
TP (lbs/yr)	0.86	0.48	0.38	44%

EXHIBIT A: Site Drainage

RAINGARDENS PROJECT
 ITEM A: RAINGARDEN #1
 ITEM B: RAINGARDEN #2



RAINGARDEN #1 & #2 NOTES:

1. COMPLETE PERCOLATION TEST AS DESCRIBED IN RCSCWD DOCUMENTS. RESULTS TO INFORM RAINGARDEN BASIN TREATMENT.
2. EXCAVATE RAINGARDEN AREAS. RIP UNDERLYING SOILS 12" IN RAINGARDEN BASIN AND SIDE SLOPES IF COMPACTED.
3. GRADE OUT FLAT RAINGARDEN BASIN AREA AND 3H:1V SIDE SLOPES.
4. INSTALL 2-3" THICK TWICE SHREDDED HARDWOOD MULCH OVER ENTIRE RAINGARDEN AREA. PLANT WITH NATIVE SPECIES [SEE PLANTING PLAN]
5. COMPACTED BERM TO HAVE 3H:1V SLOPES MAX. COVER IN SC150
6. EROSION CONTROL BLANKET AND MULCH.
7. NO CONSTRUCTION MATERIALS TO BE STORED UNDER TREE CANOPIES OR IN THE RAINGARDEN BASIN.
8. CHURCH TO SEED ALL AREAS OF DISTURBED SOIL WITH FESCUE SEED OR SIMILAR UPON COMPLETION OF PROJECT.
9. CONTRACTOR TO POTHOLE UTILITIES NEAR/WITHIN PROJECT AREA TO VERIFY DEPTH AND LOCATION PRIOR TO MACHINE EXCAVATION.

NATIVE PLANTING NOTES:

1. TREAT EXISTING VEGETATION [TURF GRASS, ETC.] IN PROJECT AREA WITH 1-2 TREATMENTS OF GLYPHOSATE.
2. DEAD VEGETATION SHALL REMAIN IN PLACE TO ASSIST WITH EROSION CONTROL.
3. INSTALL 3" TWICE SHREDDED HARDWOOD MULCH [OR SIMILAR] OVER ENTIRE RAINGARDEN & NATIVE PLANTING AREA.
4. PLANT NATIVE PLANTING AREA WITH NATIVE SPECIES PER PLANTING PLAN [L300, L400]. SUBSTITUTIONS TO BE APPROVED BY RAMSEY COUNTY SWCD STAFF PRIOR TO PURCHASE AND INSTALLATION.
5. INSTALL SHOVEL EDGE IN BORDER OF NATIVE PLANTING AND TURF AREAS.

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

PROJECT: CHRIST THE KING CHURCH
LOCATION: 1300 7TH STREET NW
 NEW BRIGHTON, MN 55112
WATERSHED DISTRICT: RICE CREEK WATERSHED DISTRICT

DESIGNER: NICK NEYLON
DATE: 6/14/2024
REVISION:
REVISION:
REVISION:
CHECKED BY: BTO
TAA:

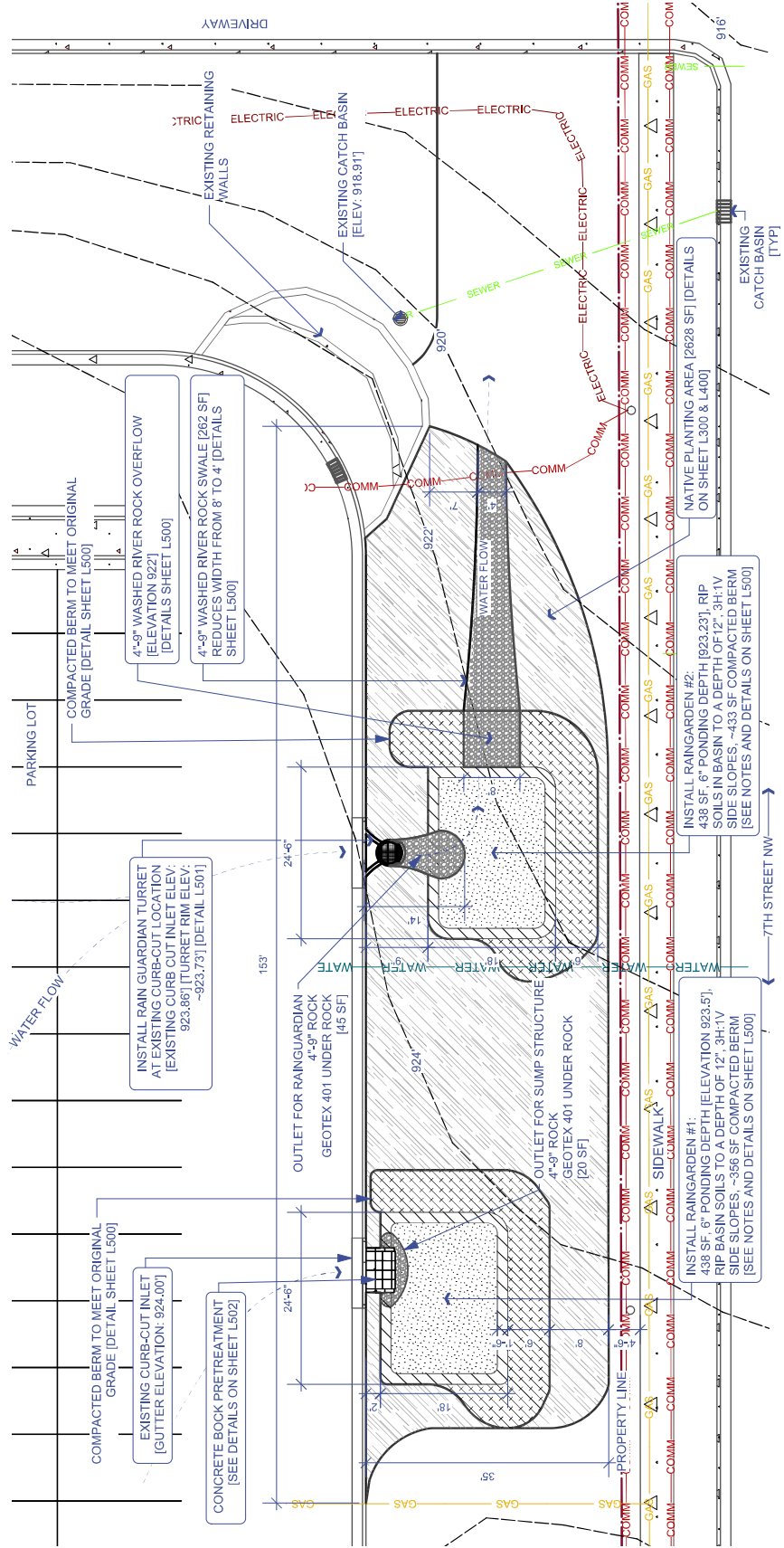
- NOTES:**
- ELEVATIONS ARE APPROXIMATE
 - UTILITY LOCATIONS ARE APPROXIMATE.
 - CONFIRM LOCATIONS PRIOR TO WORK
 - CONTRACTOR ACQUIRE NECESSARY PERMITS PRIOR TO START
 - EXCAVATE WITH TRACKED EQUIPMENT ONLY
 - RIP UNDERLYING SOILS 6-12"
 - TO REMOVE COMPACTION
 - SIZE AND SHAPE OF RAINGARDEN MAY VARY
 - MAINTAIN SQUARE FEET AND PONDING DEPTH
 - ORIGINAL SHEET SIZE: 11"x17"

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



LAYOUT PLAN

L200



NOTES:
 1. ALL PLANTS SHOULD BE ORDERED AS 2" PLUGS OR SIMILAR.
 2. SPACING FOR ALL PLANTS IS 18"x24".
 3. PLANT ALL PLANTS AS A GRID, ALTERNATING BETWEEN SEASONAL INTEREST AND GROUND COVER LAYERS.
 4. PLANT IN GROUPS OF 6-18 BY SPECIES.

SEASONAL INTEREST PLANT SCHEDULE			
ID	Qty	Latin Name	Common Name
F1	26	Agastache foeniculum	Anise Hyssop
F6	106	Symphotrichum lateriflorum	Calico Aster
F12	132	Monarda fistulosa	Bergamot
F28	26	Aquilegia canadensis	Columbine
F46	106	Amorpha canescens	Lead Plant
F48	26	Liatris ligulistylis	Meadow Blazing Star
F50	26	Pycnanthemum virginianum	Mountain Mint
F62	26	Echinacea purpurea	Purple Coneflower
F71	106	Ratibida pinnata	Yellow Coneflower
F78	106	Tradescantia ohiensis	Ohio Spiderwort
F106	106	Asclepias tuberosa	Butterfly Weed
	792	TOTAL PLANTS	



PROJECT: CHRIST THE KING CHURCH
 LOCATION:
 1300 7TH STREET NW
 NEW BRIGHTON, MN 55112
 WATERSHED DISTRICT:
 RICE CREEK WATERSHED DISTRICT

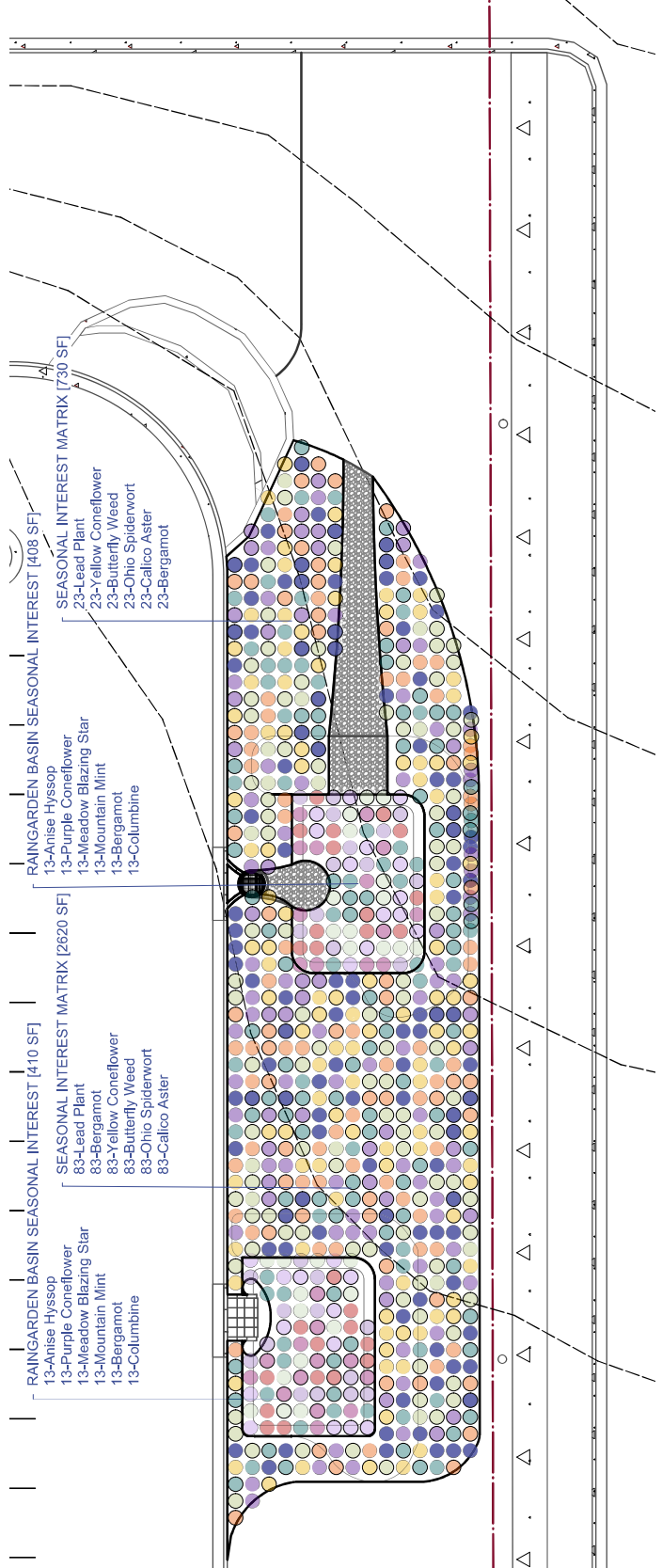
DESIGNER: NICK NEYLON
 DATE: 6/14/2024
 REVISION:
 REVISION:
 REVISION:
 CHECKED BY: BTO
 TAA:

NOTES:
 -CALL GOPHER ONE TO MARK UTILITIES BEFORE DIGGING
 -PLANT LOCATION MAY VARY, PLANTING PLAN FOR DEMONSTRATION PURPOSES
 -PLANT SUBSTITUTIONS MUST BE APPROVED BY RCSWCD STAFF
 -ORIGINAL SHEET SIZE: 11"x17"

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

SEASONAL INTEREST PLANTING PLAN

L300



NOTES:
 1. ALL PLANTS SHOULD BE ORDERED AS 2" PLUGS OR SIMILAR.
 2. SPACING FOR ALL PLANTS IS 18"x24".
 3. PLANT ALL PLANTS AS A GRID, ALTERNATING BETWEEN SEASONAL INTEREST AND GROUND COVER LAYERS.
 4. PLANT IN GROUPS OF 6-18 BY SPECIES.

GROUND COVER PLANT SCHEDULE		
ID	Qty	Common Name
C16	220	Penn Sedge
C17	220	Plains Oval Sedge
C32	54	Fox Sedge
G9	166	Little Bluestem
G14	166	Side Oats Grama
826		TOTAL PLANTS



RAMSEY COUNTY SWCD
 2015 VAN DYKE STREET
 MAPLEWOOD, MN 55109
 651-266-7280
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PROJECT: CHRIST THE KING CHURCH
 LOCATION:
 1300 7TH STREET NW
 NEW BRIGHTON, MN 55112



WATERSHED DISTRICT:
 RICE CREEK WATERSHED DISTRICT

DESIGNER: NICK NEYLON

DATE: 6/14/2024

REVISION:

REVISION:

REVISION:

CHECKED BY: BTO

TAA:

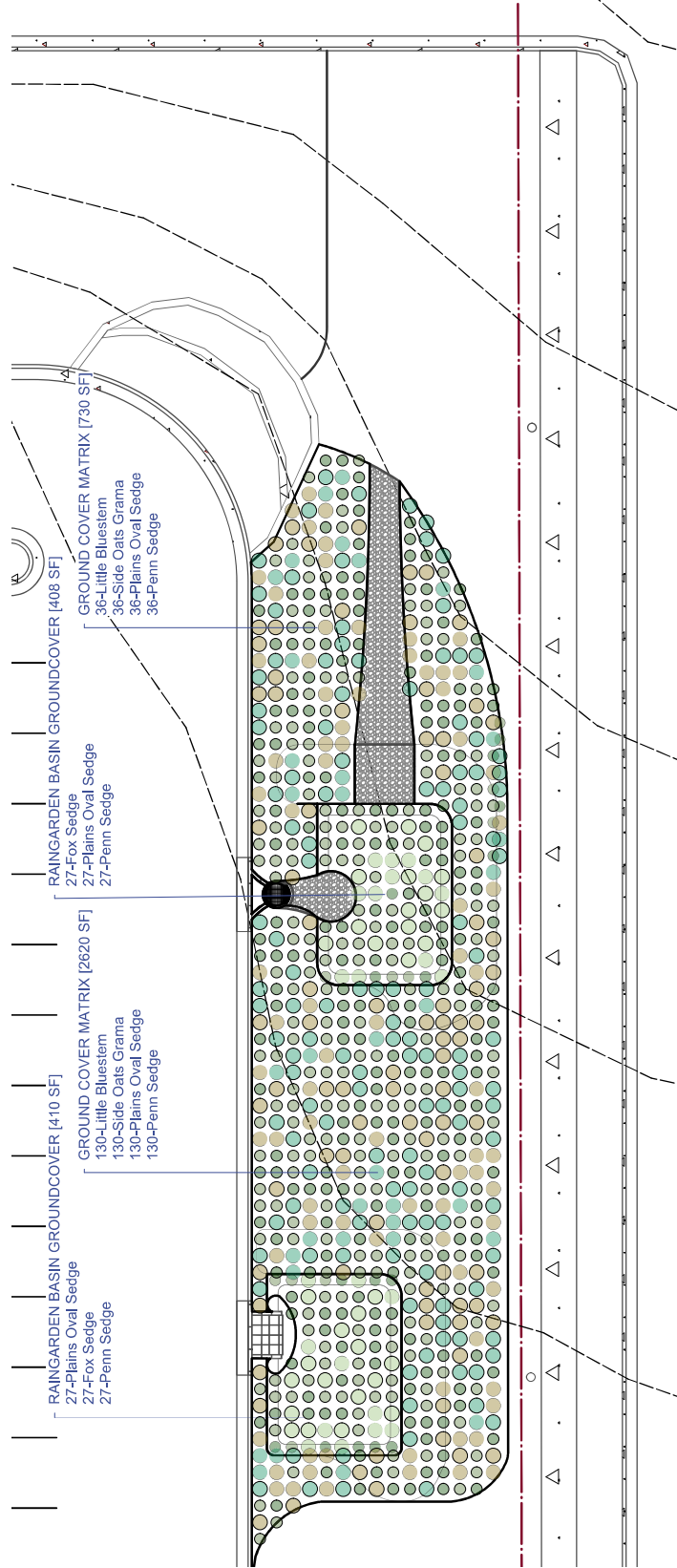
NOTES:
 -CALL Gopher ONE TO MARK UTILITIES BEFORE DIGGING
 -PLANT LOCATION MAY VARY, PLANTING PLAN FOR DEMONSTRATION PURPOSES
 -PLANT SUBSTITUTIONS MUST BE APPROVED BY RCWCD STAFF
 -ORIGINAL SHEET SIZE: 11"x17"

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

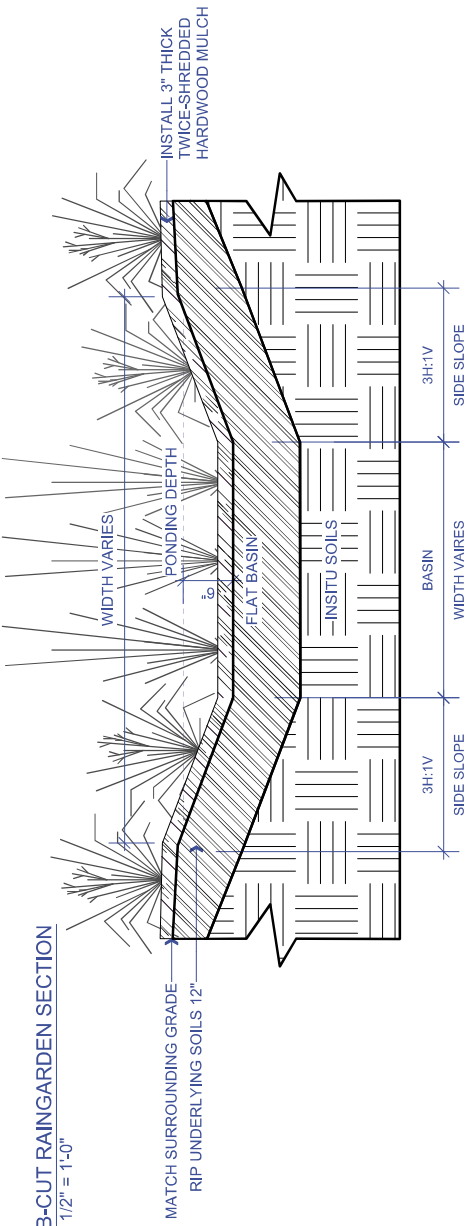


GROUND COVER
 PLANTING PLAN

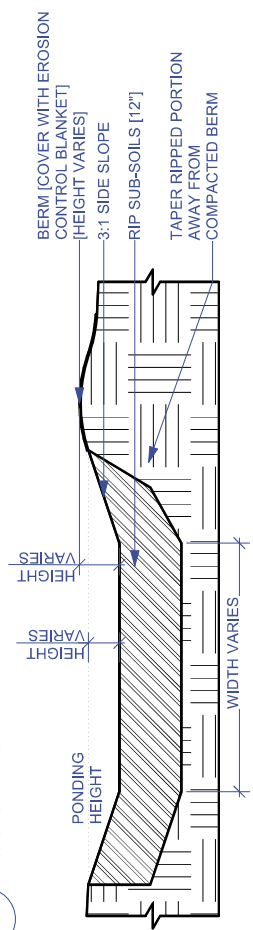
L400



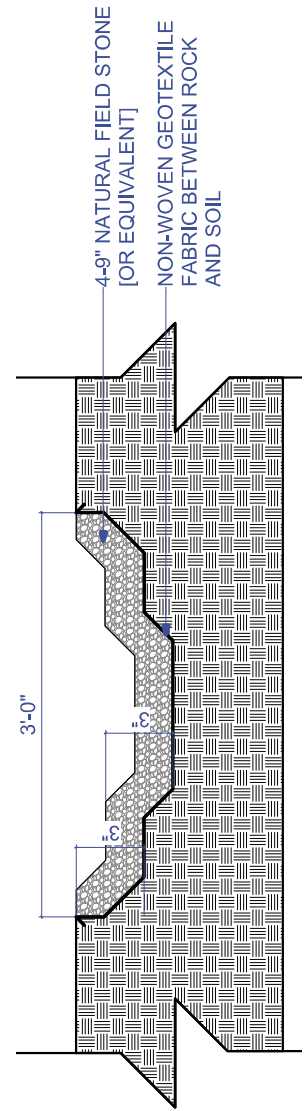
1
 CURB-CUT RAINGARDEN SECTION
 Scale: 1/2" = 1'-0"



2
 CURB-CUT RAINGARDEN WITH BERM SECTION
 Scale: 1/2" = 1'-0"



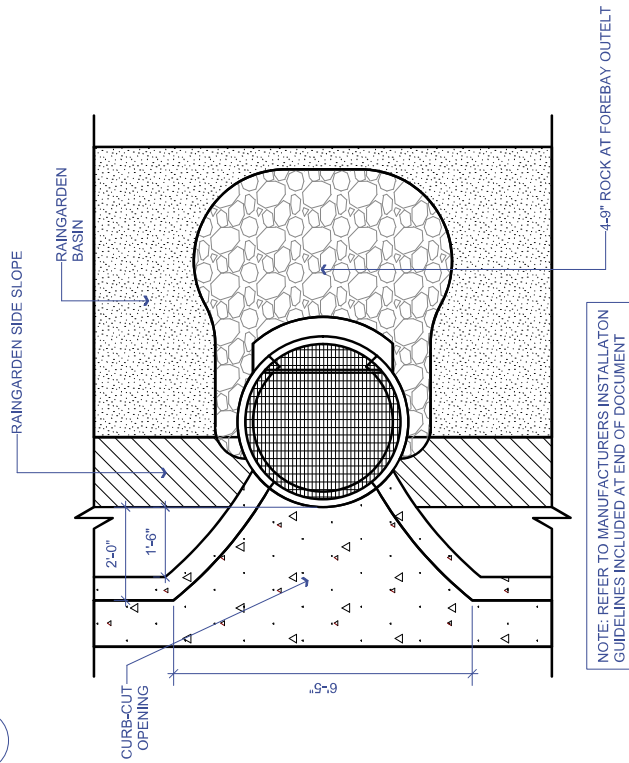
3
 PROJECT B: AGGREGATE SWALE CROSS-SECTION
 Scale: NA - NOT TO SCALE



- NOTES:**
- EXCAVATE RAIN GARDEN. RIP RAINGARDEN BASIN SOILS AN ADDITIONAL 12".
 - TAPER RIPPED SOILS AWAY FROM COMPACTED BERM AND SUMP STRUCTURE.
 - MULCH SHALL BE PLACED IN SUCH A WAY AS TO LIMIT THE AMOUNT OF COMPACTION OF THE SOILS.
 - OFFSET SPLASH PAD FROM CURB CUT OPENING IN DIRECTION OF WATER FLOW ON STREET.
 - SHOVEL CUT NATURAL EDGE FOR PLANTING.

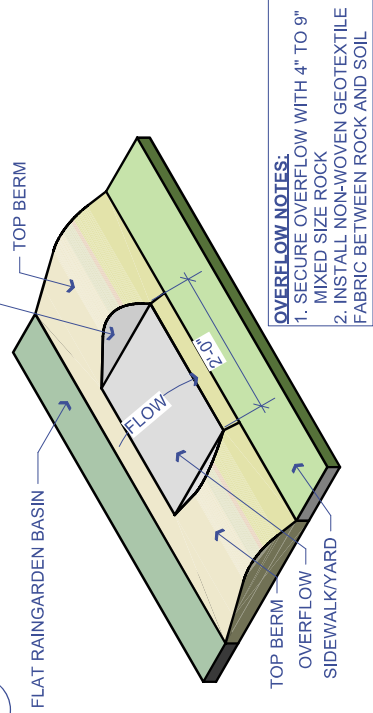
4 RAIN GUARDIAN PLAN VIEW

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



5 OVERFLOW

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



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

PROJECT: CHRIST THE KING CHURCH
LOCATION:
 1300 7TH STREET NW
 NEW BRIGHTON, MN 55112
WATERSHED DISTRICT:
 RICE CREEK WATERSHED DISTRICT

DESIGNER: NICK NEYLON
DATE: 6/14/2024
REVISION:
REVISION:
CHECKED BY: BTO
TAA:

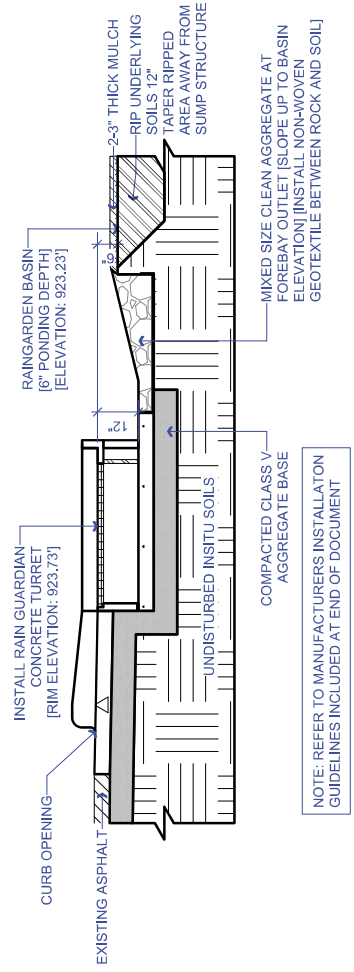
NOTES:
 -CONTACT GOPHER STATE ONE CALL TO CONFIRM UTILITY LOCATIONS PRIOR TO WORK
 -EXCAVATE WITH TRACKED EQUIPMENT ONLY
 -MAINTAIN SQUARE FEET AND DEPTH SUBSTITUTIONS TO CONSTRUCTION DESIGN AND MATERIALS MUST BE APPROVED PRIOR TO INSTALLATION
 -ORIGINAL SHEET SIZE: 11"x17"

CURB-CUT RAINGARDEN
SITE DETAILS B:

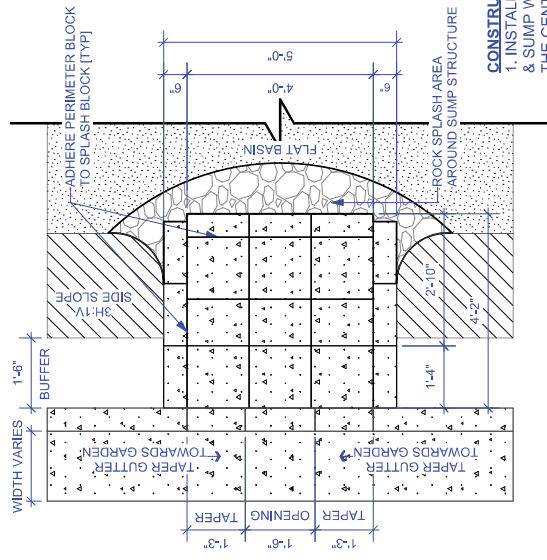
L501

6 RAIN GUARDIAN SECTION VIEW

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

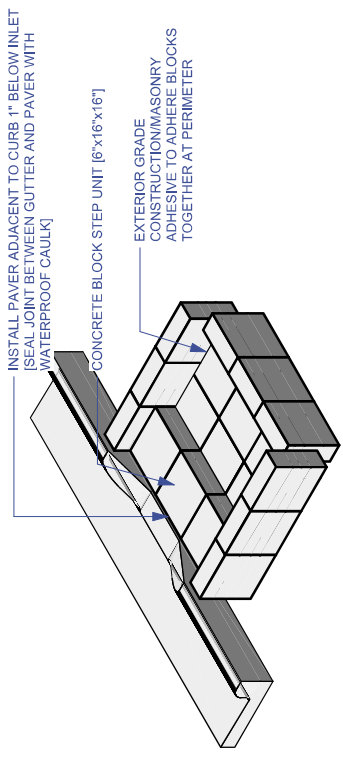
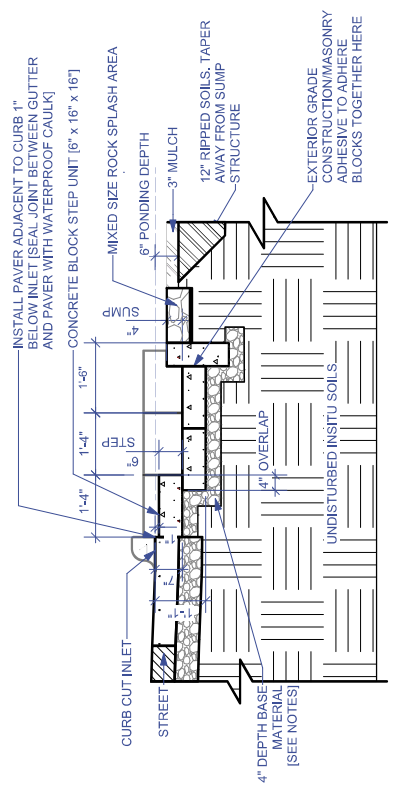


1 SPLASH BLOCK STEP DOWN & SUMP: PLAN VIEW
Scale: 3/8" = 1'-0"



CONSTRUCTION NOTE:
1. INSTALL SPLASH BLOCK STEP DOWN & SUMP WITH A 3" OFFSET FROM THE CENTER OF CURB CUT OPENING. OFFSET 3" FROM CENTER TOWARDS DOWNSLOPE SIDE, CONSISTENT WITH DIRECTIONAL WATER FLOW

2 SPLASH BLOCK STEP DOWN & SUMP: SECTION-ELEVATION/ISOMETRIC VIEW
Scale: 3/8" = 1'-0"



RAMSEY COUNTY SWCD
2015 VAN DYKE STREET
MAPLEWOOD, MN 55109
651-266-7280
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PROJECT: CHRIST THE KING CHURCH
LOCATION: 1300 7TH STREET NW
NEW BRIGHTON, MN 55112
WATERSHED DISTRICT: RICE CREEK WATERSHED DISTRICT

DESIGNER: NICK NEYLON
DATE: 6/14/2024
REVISION:
REVISION:
REVISION:
CHECKED BY: BTO
TAA:

NOTES:
-CALL GOPHER ONE TO MARK UTILITIES BEFORE DIGGING
-EXCAVATE WITH TRACKED EQUIPMENT ONLY
-ORIGINAL SHEET SIZE: 11"x17"

SCALE:

PLANTING PLAN A:
CURB-CUT RAINGARDEN

L502

NOTES:

- EXCAVATE RAIN GARDEN TO 6" BELOW GUTTER, RIP RAINGARDEN BASIN SOILS AN ADDITIONAL 12", TAPER RIPPED SOILS AWAY FROM SUMP STRUCTURE.
- INSTALL AND COMPACT BASE MATERIAL (WASHED SAND, WASHED AGGREGATE OR APPROVED ALTERNATE)
- INSTALL PAVER SUMP AND SPLASH BLOCK TO A FINISHED HEIGHT OF 1" BELOW THE CURB-CUT INLET
- SEAL JOINT BETWEEN GUTTER AND PAVER WITH WATERPROOF CAULK
- CURB CUT IS ALREADY IN PLACE

ALL ITEMS AS SPECIFIED BELOW ARE FOR REFERENCE USE ONLY

Christ the King Church
 1900 7th Street NW
 New Brighton, MN 55112
 BMP Type: Curb Cut Raingardens w/ Native Planting
 Number of BMPs: 1 of 1

County: Ramsey
 Date: 11-Jun-24

INSTALLED MATERIALS & LABOR - CURB-CUT RAINGARDEN & NATIVE PLANTING

Item	Qty	Unit	Unit Cost	Amount
Rain Guardian Turret Install & Base Material	1.00	LS	\$ 2,300.00	\$ 2,300.00
Rain Guardian Turret, Concrete Work, Class V Aggregate (or equal) base rock, fabric, etc.				
Splash Blocks and Sump Base Material:	0.60	TON	\$ 350.00	\$ 210.00
Aggregate/Washed Sand/Pea Gravel (or equivalent)				
Concrete Splash Blocks and Sump Installation [16"x16"x6" Blocks - 18]	1.00	LS	\$ 2,000.00	\$ 2,000.00
Treatment of Existing Grass in Native Planting Area	1.00	LS	\$ 750.00	\$ 750.00
[1-2 Herbicide applications]				
Sod Removal; Raingarden Excavation/Grading & Soil Loosening	16.00	CY	\$ 75.00	\$ 1,200.00
C125 / SC150BN Erosion Control Blanket (or approved equivalent)	725.00	SF	\$ 1.00	\$ 725.00
Aggregate: River Rock (Clean, washed (4-9") or equivalent)	10.00	TON	\$ 165.00	\$ 1,650.00
Geotex 401 (or Mirfani 140N: Non-woven geotextile, or equal)	329.00	SF	\$ 2.45	\$ 806.05
Twice Shredded Hardwood Mulch (for raingarden basin, materials only)	8.00	CY	\$ 60.00	\$ 480.00
Native Perennial: 2" Plug; or equivalent (labor provided by church)	1618.00	EA	\$ 2.00	\$ 3,236.00
General & Soil Disposal (use excavated soils onsite as possible before soil haul-away)	10.00	CY	\$ 45.00	\$ 450.00
Deliveries	1.00	LS	\$ 550.00	\$ 550.00
Mobilization	1.00	LS	\$ 1,500.00	\$ 1,500.00
			Subtotal	\$ 15,857.05

MATERIALS & LABOR PROVIDED BY CTKC - ADDITIONAL ITEMS AS NECESSARY

Item	Qty	Unit	Unit Cost	Amount
Site/Turf Restoration (repair any lawn damage outside project area, provided by church)	1.00	LS	\$ -	\$ -
Mulch (for native planting area)	24.50	CY	\$ -	\$ -
Planting of Native Plugs	1.00	LS	\$ -	\$ -
Percolation Test	1.00	LS	\$ -	\$ -
			Subtotal	\$ -

PROJECT TOTAL

Project Estimate	\$	15,857.05
-10%	\$	14,271.35
+10%	\$	17,442.76
Estimated WD/WMO Grant Award:		\$10,000.00
Estimated RCPR Grant Award:		TBA
Potential Grant Award Total:		\$10,000.00
Estimated Landowner Cost:		\$5,857.05

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

Christ the King Church	Bid By Sandstrom Land Management
two rain gardens	Date: 1/15/24

INSTALLED MATERIAL & LABOR - CURB CUT RAINGARDEN & NATIVE PLANTING				
Item	Qty	Unit	unit cost	Amount
Rain Garden Turret Install & Base Material	1	LS	\$3,500.00	\$3,500.00
Splash Blocks and Sump Base Material	0.8	TON	\$120.00	\$96.00
Concrete Splash Blocks and Sump Installation	1	LS	\$3,000.00	\$3,000.00
Treatment of Existing Grass in Native planting area	1	LS	\$500.00	\$500.00
Sodl Removal: Excavation disposal and grading	16	CY	\$75.00	\$1,200.00
C125 / sc150BN Erosion Control Blanket	750	SF	\$2.00	\$1,500.00
Aggregate: River Rock (4"-9") or equivalent	10	TON	\$150.00	\$1,500.00
Geotex 401 drainage fabric or equivalent	329	SF	\$3.00	\$987.00
Twice shredded hardwood mulch	8	YD	\$90.00	\$720.00
Native Perennial: 2" Plug or equivalent	1618	EA	\$2.75	\$4,449.50
(Labor Provided by Church)				
General and Soil Disposal	10	CY	\$75.00	\$750.00
Deliveries	1	LS	\$300.00	\$300.00
Mobilization	1	LS	\$500.00	\$500.00
		Subtotal =		\$19,002.50
MATERIALS & LABOR PROVIDED BY CTKC - ADDITIONAL ITEMS AS NECESSARY				
Item	Qty	Unit	unit cost	Amount
Site Turf Restoration(repair an lawn damage)	1	LS	\$0.00	\$0.00
Mulch (for native planting area)	24.5	YD	\$0.00	\$0.00
Planting of native plugs	1	LS	\$0.00	\$0.00
Percolation Test	1	LS	\$0.00	\$0.00
		Subtotal =		\$0.00
PROJECT TOTAL				\$19,002.50



Kyanite Design

balancing urban development and water conservation

Submitted To	<u>Christ the King Church</u>	Proposal Date	<u>January 16, 2025</u>
Attention	<u>Trish Blomquist</u>		
Email	<u>blomq002@umn.edu</u>	Estimator	<u>Stacy Anderson</u>
PROJECT	Rain Garden Installation	Email	<u>stacy.anderson1@icloud.com</u>

This quote is based on the civil planset prepared by Ramsey County Soil Conservation District dated June 14, 2024.

ITEM	NOTES	UNIT	QTY	UNIT RATE	TOTAL
Forebay Structure & Concrete Work	Rain Guardian, concrete, base, etc	1	ea	\$ 9,642.00	\$ 9,642.00
Splash Blocks and Sump		0.6	tons	\$ 3,990.00	\$ 2,394.00
Concrete Splash Blocks and Sump		1	ls	\$ 3,325.00	\$ 3,325.00
Herbicide Treatment	2 applications	1	ls	\$ 525.00	\$ 525.00
Rain Garden Excavation	sod removal, excavation and soil loosening	16	cy	\$ 290.00	\$ 4,640.00
Erosion Control Blanket	C125/SC150 BN	725	sf	\$ 4.75	\$ 3,443.75
Aggregate	4-9' River Rock	10	ton	\$ 220.00	\$ 2,200.00
Non-woven geotextile		329	sf	\$ 4.00	\$ 1,316.00
Mulch	Double Shredded Hardwood	8	cy	\$ 98.00	\$ 784.00
Plants	Native 2" - selection based on availability	1618	ea	\$ 3.50	\$ 5,663.00
Soil Disposal		10	cy	\$ 146.00	\$ 1,460.00
Deliveries		1	ls	\$ 800.00	\$ 800.00
Mobilization		1	ls	\$ 2,500.00	\$ 2,500.00
TOTAL					\$ 38,692.75
Alternates	1. Stone Forebay structure, concrete, base etc - replacing Rain Guardian			Deduct	\$ (2,100.00)
	2. Scalp sod for native planting, SC150BN + low mow seeding (if Spring project)			Add-on	\$ 1,500.00

Proposed Schedule: Spring/Summer 2024.

Bid valid with material pricing for 60 days.

Exclusions: Handling of any contamination/buried underground debris, relocating any utilities, private utility locator costs, damage to irrigation, tree roots or the existing parking lot with required equipment and material staging, plant labor, landscape edging (hard material), watering, weeding and city/county permits and fees.

PERMIT APPLICATIONS REQUIRING BOARD ACTION

No.	Applicant	Location	Plan Type	Recommendation
24-061	City of Columbus City of Forest Lake	Columbus Forest Lake	Street & Utility Plan Wetland Alteration Floodplain Alteration	VARIANCE REQUEST CAPROC 9 items

Two Actions:

Variance Request

It was moved by Manager _____ and seconded by Manager _____, to Approve/Deny the Variance request for variance application 24-061 as outlined in accordance with RCWD District Engineer's Variance Technical memorandum, dated December 4, 2024.

Permit Application

It was moved by Manager _____ and seconded by Manager _____, to Approve/Deny permit 24-061 as outlined in the RCWD District Engineer's Findings and Recommendations, dated March 4, 2024.



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:

24-061

Permit Application Name:

Eureka Avenue Improvements

Applicant/Landowner:

City of Columbus
Attn: Jesse Preiner
16319 Kettle River Boulevard NE
Columbus, MN 55025
Ph: 651-464-3120

Permit Contact:

Bolton Menk
Attn: Paul Strong
111 Washington Ave S Suite 650
Minneapolis, MN 55401
Ph: 612-416-0220
paul.strong@bolton-menk.com

City of Forest Lake
Attn: Dave Adams
1408 Lake Street South
Forest Lake, MN 55025
Ph: 651-209-9750
Fx: (651) 636-1311
dave.adams@ci.forest-lake.mn.us

Bolton Menk, Inc
Attn: Madeline Maurer
3300 Fernbrook Lane North
Plymouth, MN 55447
Ph: 612-791-7527
Maddie.maurer@bolton-menk.com

Project Name: Eureka Avenue Improvements

Purpose: S&UC – Street & Utility Plan, WA – Wetland Alteration, FA – Floodplain Alteration;
Reconstruction of existing roadway

Site Size: 1,300± linear feet / 9.8 ± acres of disturbed area; existing and proposed impervious areas are 3.98± acres and 6.22 ± acres, respectively

Location: Eureka Avenue between Highway 97 and CSAH 32, Columbus, Forest Lake

T-R-S: Section 18, T32N, R21W

District Rule: C, D, E, G, L

Recommendation: CAPROC

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

Conditions to be Met Before Permit Issuance:

Rule D – Erosion and Sediment Control

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

Rule F – Wetland Alteration

2. Applicant must provide shape file of wetland boundaries; a condition of approval of the type and boundary delineation.
3. Applicant must document submittal of the TEP-endorsed replacement plan to the BWSR Local Government Road Wetland Replacement Program.
4. Applicant must provide proof of mitigation verification from BWSR.
5. Applicant must provide a “Standard Credit Withdrawal Form”, which is signed by the bank user and the bank seller.
6. The applicant must provide proof of BWSR debiting wetland bank for the correct amount and type of wetland credit.

Rule G – Regional Conveyance Systems

7. The maintenance responsibility for the subsurface sanitary sewer crossing must be memorialized. A public permittee may meet its perpetual maintenance obligation by executing a programmatic or project-specific maintenance agreement with the District.

Administrative

8. Submit the permit application with the signature of the successful bidder to the District.
9. 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 must provide additional grading details for the bio-filtration basin

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

1. Provide an as-built survey of all stormwater BMPs (ponds, rain gardens, trenches, swales, etc.) to the District for verification of compliance with the approved plans.
2. Provide an as-built survey and computation of the floodplain fill and mitigation storage areas and volume for verification of compliance with the approved plans.
3. Provide an as-built survey of wetland boundaries, quantifying the wetland impact area for verification of compliance with the approved plans.
4. The applicant must submit a record drawing of the installed subsurface utility crossing.

Exhibits:

1. Plan set containing 83 sheets dated 8-11-2024; found in permit submittal received 8-22-2024.
2. Permit application from City of Forest Lake, dated 9-9-2024 and received 9-19-2024.
3. Permit application from City of Columbus, dated 9-11-2024 and received 9-19-2024.

4. Permit submittal packet, received 8-22-2024, containing:
 - Narrative
 - Existing and proposed drainage maps
 - Plan set
 - HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
5. Variance information, received 11-1-2024: Variance request (dated 10-31-2024), supporting narrative (dated 11-1-2024), cut and fill figures (dated September 2024); City of Columbus signature (dated 11-14-2024 and received 11-18-2024).
6. Revised stormwater calculations, received 11-20-2024, containing narrative, HydroCAD models, HydroCAD reports and drainage maps for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
7. Proposed conditions HydroCAD model, received 12-2-2024.
8. Updated LGRWRP application and replacement plan, dated 02-10-2025 and received 02-11-2025.
9. Updated LGRWRP application, dated 08-16-2024 and received 09-11-2024.
10. LGRWRP application, dated 08-16-2024 and received 08-19-2024.
11. Review file 23-110R, 23-179R.

Findings:

1. Description – The project proposes to reconstruct Eureka Avenue (approximately 1,300± lineal feet), including the addition of a pedestrian trail, parking, and shoreline restoration located in Forest Lake and Columbus. The project will increase the impervious area from 3.98± acres to 6.22± acres and disturb 9.8± acres overall. 1.31± acres of increase in impervious area consists of trails meeting the exemption of Rule C.12(c). Mud Lake and Clear Lake are the Resources of Concern for the project. Water from the majority of the project drains to a culvert under I-35 to Mud Lake. The rest of the project drains to a wetland and then to Clear Lake, or directly to Clear Lake (OHW 889.5 (NGVD 29)). The applicant is a public entity and therefore is not charged an application fee.
2. Stormwater – The applicant is proposing the BMPs as described below for the project:

Proposed BMP Description	Location	Pretreatment	Volume provided	EOF
Surface bio-filtration basin	Southwest of Eureka Ave/11 th Avenue intersection	Grass strip	9,429± cubic feet below the outlet	NA
Sumps	CBMHs 10 and 13	TSS removal		

Soils on site are primarily HSG D. Due to soils and high groundwater, infiltration is not considered feasible and bio-filtration is acceptable to meet the water quality requirement. Per Rule C.6(c)(2), the Water Quality requirement is 0.5 over the non-exempt new/reconstructed area (4.91± acres) for a total requirement of 8,911± cubic feet.

Adequate pre-treatment has been provided. Drawdown is expected within 48-hours using an appropriate rate of 0.8 inches per hour. 12-inches of sand has been provided above the drain tile. The outlet is above the 100-year elevation of Clear Lake, which provides adequate separation. The applicant has treated 6% of the required impervious area, which is the maximum extent feasible due

to the limited right-of-way. Additional TSS removal is provided by sump manholes. 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
O1 – Mud Lake	15.7	15.5	28.5	27.7	56.7	53.3
O2 – Clear Lake	16.5	17.1	27.8	29.9	57.0	59.8
O3 – Wetland	3.4	3.0	7.0	5.5	13.9	10.7
Totals	35.6	35.6	63.3	63.1	127.6	123.8

The project is not located within the Flood Management Zone. The increase at O2 is directly to Clear Lake and will not create an adverse impact. The applicant has complied with the rate control requirements of Rule C.7.

There are no structures in the contributing drainage area to the BMP; Rule C.9(g) is not applicable.

3. Wetlands – Wetlands were delineated under review file 23-179R. A boundary decision was issued on 11-02-2023 which remains valid at the time of this application.

Portions of the project area are located within the Columbus CWPMP, however, public linear projects not part of an industrial, commercial, institutional, or residential development are not subject to Section 6 of Rule F, per F.5(e).

The applicant submitted a joint application form requesting qualification for the Local Government Road Wetland Replacement Program (LGRWRP) on 09-04-2024. The applicant has provided justification for why the project should qualify for LGRWRP stating safety concerns with a failing roadway, a lack of parking compared to street parking, and a lack of pedestrian access. The work will result in an improved roadway, additional parking, and a pedestrian trail. The roadway will not fully meet state or city road standards due to site restrictions but will meet AASHTO guidelines (American Association of State Highway and Transportation Officials). The proposed project includes a total of 0.86 acres of permanent regulated wetland impact, an additional 0.18 acres of temporary wetland impact, and 0.08 acres of impact to an incidental wetland. The applicant has demonstrated avoidance and minimized impacts to the extent feasible by reducing road shoulder and trail widths and adding a retaining wall. The impacts are proposed to be replaced through the LGRWRP via BWSR at a 2:1 ratio. A WCA determination notice for the LGRWRP application was sent on 11-07-2024. The TEP provided comment that the pedestrian trail is not eligible for LGRWRP and those impacts would need to be addressed separately. This comment was provided on 12-03-2024 and an updated wetland permit application was provided on 02-11-2025. The updated application identifies that 0.66 acres of permanent impact qualify for LGRWRP and 0.22 acres of permanent impact will be replaced through the purchase of wetland bank credits. The updated application was noticed to the TEP on 02-12-2025 and the comment period closed on 03-07-2025. The TEP supports the project’s qualification for the LGRWRP. The applicant must document submittal of the TEP-endorsed replacement plan to BWSR. If any portion of the project does not qualify for the LGRWRP, then the applicant will need to amend the application for an alternative means of mitigation for the wetland impacts.

The non-LGRWRP impacts will be replaced via wetland bank account #1762, in the amount of 0.44 acres. The wetland bank is within the contributing drainage area of the CWPMP consistent with Rule F.6(d)(5). The applicant must provide the final BWSR withdrawal transaction form and demonstrate final withdrawal from the BWSR bank.

A portion of the proposed permanent wetland impacts are within MnDOT ROW but the majority are within RCWD’s territory. MnDOT waived LGU authority to RCWD for the impacts within their ROW on 06-26-2024.

4. Floodplain – There are two regulatory floodplain elevations in the project area. The regulatory elevation for the wetland is 892.5 (NAVD 88). The applicant is placing less than 1 cubic yard of fill. The regulatory floodplain for Clear Lake is 892.3. The applicant is placing 318 cubic yards of net fill and has requested a variance for the mitigation requirements.
5. Erosion Control – Proposed erosion control methods include silt fence, rock construction entrances, inlet protection, bio-rolls, erosion control blanket and rip rap. The project will disturb more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheets 44-46. 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 within 1 mile of Clear Lake which is impaired for nutrients.
6. Regional Conveyances – The applicant is proposing a subsurface directionally bored sanitary crossing approximately 5-feet below the outlet to Clear Lake which is considered a regional conveyance. The proposed complies with Rule G.
7. Public Drainage Systems – Rule I is not applicable.
8. Documenting Easements and Maintenance Obligations – Applicant must execute an agreement with the RCWD for the sanitary sewer crossing. The bio-filtration basin is covered under the programmatic stormwater maintenance agreement with the city of Forest Lake dated August 2016.
9. Previous Permit Information – Pre-application information can be found in review file 23-110R. Wetland delineation information can be found in review file 23-179R. Other related information can be found in files 84-R06, 85-037, 02-054, 19-024.

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.



03/04/2025

Greg Bowles, MN Reg. No 41929



03/04/2025

Katherine MacDonald, MN Reg. No 44590

Technical Memorandum

To: Rice Creek Watershed District
Board of Managers

From: Greg Bowles (PE), & Kate MacDonald (PE)
Houston Engineering, Inc.

Through: Chris Otterness (PE)

Subject: Variance Request for Eureka Avenue Improvements, RCWD #24-061

Date: December 4, 2024

INTRODUCTION

The cities of Forest Lake (Dave Adams) and Columbus (Jesse Preiner), as project applicants, have submitted a written request for a variance from Rice Creek Watershed District (RCWD) Rule E.3(e), which requires compensatory floodplain storage volume for over 100 cubic yards of floodplain fill. The District Engineer evaluated the variance request per RCWD Rule L for Permit 24-061, as provided in the Request for Variance (Exhibit A) dated October 30, 2024 and received on November 1, 2024.

The District Engineer evaluated the variance request by applying the practical difficulties test set forth in the municipal variance statute and incorporated by prior-adopted policy into the variance standard of the District. This standard is applied through the Board of Managers' consideration and weighing of the following criteria:

- (a) How substantial the variation is in relation to District Rule requirement(s);
- (b) the effect the variance would have on government services;
- (c) whether the variance will effect a substantial change in the character of the watershed resources or will be a substantial detriment to neighboring properties;
- (d) whether the practical difficulty can be alleviated by a feasible method other than a variance (economic considerations play a role in the analysis under this factor);
- (e) how the practical difficulty occurred, including whether the landowner created the need for the variance; and
- (f) whether in light of all of the above factors, allowing the variance will serve the interests of justice.

Ultimately, the Board determines whether consideration of the above criteria supports approval of a variance. The text below reviews the technical aspects of the proposal as they relate to the above criteria. The Board may exercise discretion in analyzing the applicant's compliance with the variance

criteria – both generally and with regard to application of the individual variance (and other rule) criteria. The Board also may require input from legal counsel. Nothing herein should be construed as rendering a legal opinion.

PROJECT SUMMARY

The project proposes to reconstruct Eureka Avenue (approximately 1,300± lineal feet), including the addition of a pedestrian trail, parking, and shoreline restoration located in Forest Lake and Columbus. Mud Lake and Clear Lake are the Resources of Concern (ROC) for the project. Water from the majority of the project drains to a culvert under I35 to Mud Lake. The rest of the project drains to a wetland and then to Clear Lake, or directly to Clear Lake. The project will increase the impervious area from 3.98± acres to 6.22± acres and disturb 9.8± acres overall. 1.31± acres of the increase in impervious area consists of trails meeting the exemption of Rule C.12(c). There are two regulatory floodplain elevations in the project area. The regulatory elevation for the wetland is 892.5 (NAVD 88). The applicant is placing less than 1 cubic yard of fill in this location. The regulatory floodplain for Clear Lake is 892.3. The applicant is placing 318 cubic yards of net fill in this location and has requested a variance for the mitigation requirements. Since more than 100 cubic yards of fill is added in the floodplain, the work requires floodplain volume mitigation per District Rule E.3(e). The applicant has requested a variance from RCWD Rule E.3(e) mitigation requirement. The proposed application is compliant with all other RCWD Rules.

EVALUATION OF CRITERIA

Per practical difficulties criterion (a), the applicant is requesting that no compensatory storage be required for the floodplain fill per rule E.3(e), for a proposed net fill of 318 cubic yards, which exceeds the 100 cubic yard exemption.

Per criterion (b), issuance of a variance for the Eureka Avenue Improvements project is not expected to increase the cost or difficulty of providing governmental services.

Per criterion (c), which sets the criteria for consideration of whether the variance will affect a substantial change in the character of resources within the watershed, the District Engineer used three criteria to assess substantial change: 1) water quality, defined as the quantity of pollutants such as phosphorus and suspended sediment leaving the site and the potential for degrading water quality downstream; 2) the presence of and potential impact to special and impaired waterbodies as defined by various laws including the Minnesota Pollution Control Agency stormwater program, whether a water body is impaired and related designations including Wild and Scenic or Outstanding Natural Resource Value designations; and 3) flooding, the potential for flood damages or other adverse hydrologic impacts.

In assessing whether a substantial change in the character of the watershed resources may occur, we considered, not exclusively but as a measure of impact, the presence of and potential impact to the following:

- a 303(d) listed water body (i.e., an impaired water);
- a high quality or non-degraded wetland;
- a federally listed threatened or endangered species or state threatened, endangered or species of special concern and their critical habitat;
- a Scientific and Natural Area as defined by the Minnesota Department of Natural Resources;
- resources protected from degradation as identified within 7050.0180 Nondegradation for Outstanding Resource Value Waters; and
- other generally sensitive resources.

Non-compliance with the compensatory floodplain storage volume of Rule E.3(e) is not expected to affect above mentioned watershed resource criteria. The project is currently compliant with all other District Rules except for Rule E.3(e).

Per criterion (c) and whether issuing the variance has a negative effect to the neighboring properties, we considered whether the granting variance will:

- cause or contribute to a change in the 100-year floodplain elevation immediately downstream or upstream of the project site
- increase the frequency or magnitude of flood damages to adjacent properties; or
- increase hardship downstream from peak flow and flood duration.

The project required proposes the placement of 318 cubic yards (CY) of net fill within the floodplain. The fill is required for road stability as well as the addition of a pedestrian trail and lake access which are safety factors. Though the net floodplain fill is more than the 100 CY exemption, it will have a negligible effect on the adjacent flood elevation given the size of Clear Lake (the total volume equates to less than 0.001% of the floodplain storage of the lake which equates to less than 0.0045 feet of vertical change in the floodplain). Given that the negligible effect on the floodplain, the proposed fill is not expected to have a negative effect on neighboring properties.

Per criterion (d), an assessment of whether the practical difficulty can be alleviated by a feasible method other than a variance (economic considerations play a role in the analysis under this factor) is necessary. The applicant considered three options and provided the following analyses:

1) No Build/Repair and replace as is

The roadway subgrade is in poor condition. Repairing and replacing the roadway as-is will also lead to increased long-term maintenance costs and will not address vehicle or pedestrian safety concerns. Shoreline erosion would also not be addressed

2) Additional retaining wall

Adding a retaining wall would minimize floodplain fill. However, this option will prohibit the implementation of a buffer zone to treat stormwater runoff into the lake, which would be expected to decrease water quality in Clear Lake.

3) Alternative roadway cross section

Due to roadway design requirements and minimum trail width stipulated within a funding agreement, decreasing the roadway cross-section width is not feasible. Likewise, the road corridor centerline cannot be shifted further away from Clear Lake due to the adjacent MnDOT right-of-way along I-35 that would be significantly impacted .

The District Engineer has not independently confirmed the difficulties characterized by the applicant for each alternative but does find the applicant's alternative assessment to be reasonable.

Per criterion (e), we considered how the practical difficulty occurred, including whether the landowner created the need for the variance. The applicant indicates that the fill is necessary to construct the project, which will require a variance. The existing site constraints (extent of floodplain and lack of mitigation areas) are not caused by the applicant.

In consideration of criterion (f), some determination of whether in light of all of the above factors, allowing the variance will serve the interests of justice is necessary. This criterion lies largely in the Board's domain as it involves judgments of a non-technical nature. One criterion for assessing this portion of the practical difficulties standard is the ability or inability of other permit applicants with similar site conditions to comply with the District's fill requirements of Rule E.3(e). Most other applicants have had the ability to feasibly meet these requirements onsite, but the practical difficulties provided by the applicant are similar to other sites which have been granted variances from this rule, including prior variances for floodplain fill along Clear Lake.

EXHIBITS:

1. Variance request form dated 10-30-2024
2. Variance signature from the City of Columbus, dated 11-14-2024
3. Floodplain memorandum narrative, dated 11-1-2024

Exhibit A
Variance Request

The applicant's signature below affirms that the applicant has carefully read Rice Creek Watershed District Rule L, Variances, and the Permit Variance Guidance (effective July 1, 2013).

Date: October, 30, 2024

Permit # _____

Applicant:

City of Forest Lake, MN
Dave J. Adams, P.E.

Address:

Public Works Director
1408 Lake Street South
Forest Lake, MN 55025

Telephone number:

Ph: 651-209-9736

Email:

Dave.adams@ci.forest-lake.mn.us

Property location and county property identification number:

Eureka Avenue from 11th Avenue S to approximately 1,500 feet north of Scandia Trail N.

For all items below, attach additional sheets if necessary.

1. RCWD Rule from which variance is requested (circle applicable rule(s) and cite section/paragraph of rule):

A B C D **E** F G H I J

Rule E:

To stabilize the current and proposed infrastructure, cut and fill within the floodplain boundary is needed.

Section: 3: Policy b) Floodplain fill is prohibited unless compensatory floodplain storage volume is provided.

2. Project description:

The reconstruction of Eureka Avenue will address many concerns with the existing roadway. There will be an addition of a pedestrian trail and lake access along the road. This will improve the safety of pedestrians and drivers. Reconstruction is also critical for the road, due to erosion and use, the movement of the road subgrade is creating cracks and safety concerns for drivers. The construction will include a pedestrian trail, parking adjacent to Eureka Avenue, shoreline vegetation and stabilization along Clear Lake, and roadway stabilization. Please refer to the attached figures for the locations of floodplain fill.

3. Requirements of applicable rule(s) from which variance is being requested:

The variance of this project falls under the F rule which requires that floodplain fill be mitigated for with 1:1 excavation within the same floodplain.

The data attached provides the calculations supporting the minor impacts on the wetland storage volume in the area. Due to the roadway and adjacent developments in the area to the wetland, there is no room to increase the wetland capacity. Due to the construction, there will be a net decrease of 0.00015% of floodplain storage volume and will not change the character of the floodplain. The ordinary high water level is 889.5' and the floodplain elevation is at 892.3'.

Overall, the proposed infrastructure will serve the public interests by increasing safety of Forest Lake pedestrians and drivers and decreasing future soil erosion and infrastructure degradation and the intent of the district rules are being met. The fill is also not anticipated to adversely affect the water quality of Clear Lake, create extraordinary expense for the public, or impact water control or drainage in the district.

4. Are you requesting a variance pursuant to Undue Hardship or Practical Difficulty standard (check one or both)? Please complete following sections accordingly. Greater specificity will benefit your request.

a. Description of Undue Hardship (must not rest entirely on economic burden).

b. Description of Practical Difficulty (must not rest entirely on economic burden).

Variance requested for Practical Difficulty. The details of request can be found below.

If requesting variance under Practical Difficulty standard, please respond to the following:

Adhering to the standards of the rule is impractical due to the limited city-owned land within the floodplain, most of which is either occupied by the proposed improvements or by wetland areas.

(i) How substantial is the requested divergence from the District rule?

There will be a decrease in floodplain volume of 0.00015%, and would include approximately 320 cubic yards of fill whereas the districts one-time allowance for linear projects is 100 cubic yards.

(ii) In what respects, and to what extent, would the variance increase the cost or difficulty of providing governmental services?

The potential costs to public services would be to lake water quality and floodplain elevation. Neither is expected to be significantly affected by the proposed floodplain fill or the requested variance.

(iii) How would the variance change the character of the water resource or be a detriment to neighboring properties?

No change in the character or quality of Clear Lake is expected. There will be a decrease in floodplain volume of approximately 320 cubic yards, whereas the live storage volume from the normal water level (888.34) to the floodplain elevation (892.30) is approximately 3.3 million cubic yards. An impact of less than 0.0045' is expected, which would meet the criteria for a "No-Rise" floodplain certification. Additionally, the improvements to pedestrian and bike access that are proposed as part of this project are expected to benefit neighboring property owners through improved access and safety along the shoreline.

(iv) How can your project goals be met without a variance? Is any of these alternatives infeasible or economically unreasonable?

Three options were assessed to avoid a variance.

No Build/Repair and replace as is:

No build is not an option, as the roadway subgrade is in poor condition. Repairing and replacing the roadway as-is will also lead to increased long-term maintenance costs and will not address vehicle or pedestrian safety concerns. Shoreline erosion would also not be addressed, and approximately half of the roadway runoff would continue to flow directly into clear lake.

Additional retaining wall:

This will minimize floodplain fill. However, this option is more costly and will prohibit the implementation of a buffer zone to treat stormwater runoff into the lake, which would be expected to decrease water quality in Clear Lake.

Alternative Roadway cross section:

Due to design requirements by the state on the roadway and trail width as part of a funding agreement the decrease in floodplain fill is not feasible. The corridor centerline cannot be shifted further away from Clear Lake due to the adjacent

MnDOT right-of-way along I-35 that cannot be significantly impacted as part of this project.

(v) What is the cause of the practical difficulty? Did you or a prior landowner contribute to circumstances creating the practical difficulty?

The city-owned portion of the property is narrow, and the existing roadway is directly adjacent to the floodplain. Steep slopes along the shoreline necessitate fill for long term stability.

(vi) How do the interests of justice weigh in granting the variance?

The proposed improvements will improve pedestrian access and safety along the roadway corridor, reduce shoreline erosion and its associated water quality impacts, reduce pollutant loading to Clear Lake from the roadway corridor by diverting much of the street drainage away from Clear Lake.

5. Will the proposed activity, if conducted in accordance with the requested variance rather than the strict terms of the District rule:

a. Have an adverse effect on public health, safety or welfare?

No

b. Create public expense?

No

c. Adversely affect water quality, water control or drainage in the District?

No

6. How would granting the variance be consistent with the spirit and intent of the District rules, generally, and the rule from which the variance is requested?

Granting the variance would be consistent with the watershed's intent to improve lake water quality and public access, while also improving a legacy roadway for long term shoreline stability and safety. Additionally, the proposed fishing access points will reduce the impact of pedestrian activity on shoreline stability, further improving water quality while still providing for equitable access to public fisheries.

Applicant name: Dave Adams **Date:** 10/30/2024

Applicant signature: 

Staff Findings (RCWD only)

Staff Recommendation (RCWD only)

MnDOT right-of-way along I-35 that cannot be significantly impacted as part of this project.

(v) What is the cause of the practical difficulty? Did you or a prior landowner contribute to circumstances creating the practical difficulty?

The city-owned portion of the property is narrow, and the existing roadway is directly adjacent to the floodplain. Steep slopes along the shoreline necessitate fill for long term stability.

(vi) How do the interests of justice weigh in granting the variance?

The proposed improvements will improve pedestrian access and safety along the roadway corridor, reduce shoreline erosion and its associated water quality impacts, reduce pollutant loading to Clear Lake from the roadway corridor by diverting much of the street drainage away from Clear Lake.

5. Will the proposed activity, if conducted in accordance with the requested variance rather than the strict terms of the District rule:

a. Have an adverse effect on public health, safety or welfare?

No

b. Create public expense?

No

c. Adversely affect water quality, water control or drainage in the District?

No

6. How would granting the variance be consistent with the spirit and intent of the District rules, generally, and the rule from which the variance is requested?

Granting the variance would be consistent with the watershed's intent to improve lake water quality and public access, while also improving a legacy roadway for long term shoreline stability and safety. Additionally, the proposed fishing access points will reduce the impact of pedestrian activity on shoreline stability, further improving water quality while still providing for equitable access to public fisheries.

Applicant name: Jesse Preiner, Mayor

Date: 11-14-24

Applicant signature: 

Staff Findings (RCWD only)

Staff Recommendation (RCWD only)



Date: November 1, 2024

To: Rice Creek Watershed District (RCWD)

From: Paul Strong, P.E.
Bolton & Menk, Inc.
Water Resources Project Engineer

Subject: Eureka Avenue Improvements

Applicant:
City of Forest Lake, MN
Dave J. Adams, P.E.
Public Works Director
1408 Lake Street South
Forest Lake, MN 55025
Ph: 651-209-9736
Dave.adams@ci.forest-lake.mn.us

Consultant:
Bolton and Menk, Inc.
Paul Strong, P.E.
Water Resources Project Engineer
111 Washington Ave S, Suite 650
Minneapolis, MN 55401
Ph: (651) 724-0404
Paul.strong@bolton-menk.com

Location: Eureka Avenue, Forest Lake/Columbus, MN
T-R-S: T34N-R32W-S24

The City of Forest Lake and Columbus intend to reconstruct Eureka Avenue along its entire length in the city of Forest Lake and ~1,300 feet within the city of Columbus. Eureka Avenue is located along the western shores of Clear Lake and runs parallel to Interstate 35 (I-35). The project will include shoreline restoration, reconstruction of Eureka Avenue, and the construction of a pedestrian trail parallel to Eureka Avenue along Clear Lake. The following Floodplain Narrative and the attached variance request have been provided for RCWD's consideration. In instances of noncompliance, justification for variances is provided.

EXECUTIVE SUMMARY

The reconstruction of Eureka Avenue is proposed to address several concerns with the existing roadway, with a proposed pedestrian trail to increase pedestrian access along the lake front. Roadway reconstruction is necessary as the roadway subgrade is no longer suitable and significant cracking is occurring. Shoreline stabilization and revegetation is also proposed to address erosion along the shoreline. As part of the project, approximately 320 cubic yards of floodplain fill will be required in order to stabilize the shoreline and to provide the required room for pedestrian and roadway improvements. No reasonable location for compensatory excavation is available on city owned property within the same floodplain, and as such the city is requesting a variance from the districts floodplain compensatory excavation requirements. The roadway is partially located on city owned land, with the majority of the project located either on MnDNR or MnDOT property with an easement for the roadway. The I-35 roadside ditch is adjacent to Eureka Avenue to the west, and Clear Lake is located to the east. The project location is within Rice Creek Watershed District (RCWD). Separate wetland, erosion control, and stormwater permits have been applied for, and the project will also require a floodplain fill permit/variance as a result of the following RCWD rules;

1. Rule E: Stormwater Management, Criteria 3, Criteria for Floodplain Alteration

- (b) Fill within the floodplain is prohibited unless compensatory floodplain storage volume is provided within the floodplain of the same water body, and within the permit term. If offsetting storage volume will be provided off-site, it shall be created before any floodplain filling by the applicant will be allowed.
- (e) Compensatory floodplain storage volume is not required for a one-time deposition of up to 100 cubic yards of fill, per parcel, if there is no adverse impact to the 100-Year Flood Elevation. For public road authorities, this exemption applies on a per-project, per floodplain basis.
- (f) Floodplain alteration is subject to the District’s Wetland Alteration Rule F, as applicable.

I. Project Background

The city of Forest Lake and the city of Columbus are proposing to reconstruct Eureka Avenue in order to address issues with the subgrade, to allow for a pedestrian trail to be installed, and to allow for shoreline restoration to occur. Wetlands are present along the entire corridor, and the majority of the project corridor is located on MnDNR or MnDOT property. The City of Forest Lake has received bonding bill funding to complete the reconstruction. This project will consist of water main construction, roadway reconstruction, trail construction, storm sewer installation, and shoreline restoration. Table 1 summarizes the extent of the proposed disturbance and the treatment areas.

Table 1: Summary of Floodplain Fill Areas.

Site Disturbance (ac)	9.8
Fill below Floodplain (north of 218th) (cuyd)	0.89
Fill below Floodplain (Clear Lake) (cuyd)	319

Refer to Figure 1 to 4 for the areas of floodplain fill along the project corridor. Table 2 includes the elevation area data for the Clear Lake Floodplain based on Lidar contours.

Table 2: Clear Lake Floodplain

Elevation (feet)	Area(acres)	Floodplain Volume (cuyd)
889.5	429	0
890	459	346,060
892	607	1,828,171
892.3	614	2,122,155

The proposed floodplain fill of approximately 320 cubic yards represents approximately 0.00015% of the total live storage volume between the ordinary high water level and the 100-year floodplain elevation.

Alternatives Analysis

In discussion with the MnDNR and MnDOT it was determined that BMPs cannot be placed on the MnDNR or MnDOT owned property, nor could compensatory treatment credit be achieved using MnDOT impervious areas. Therefore, BMPs must be placed within city owned right-of-way and sized to receive flows from city owned impervious areas. This, combined with the physical site constraints, poses a challenge for meeting the volume treatment requirements.

No Build/Repair and replace as is;

No build is not an option, as the roadway subgrade is in poor condition. Repairing and replacing the roadway as-is will also lead to increased long-term maintenance costs and will not address vehicle or pedestrian safety concerns. Shoreline erosion would also not be addressed, and approximately half of the roadway runoff would continue to flow directly into clear lake.

Additional Retaining wall

Additional retaining wall was considered in order to minimize floodplain fill; however, additional retaining wall or pilings would be cost prohibitive, and would reduce/eliminate the grass buffer and planting area that is proposed as part of the stormwater treatment for the proposed bike/pedestrian trail.

Alternative Roadway Cross Section

Modification to the road cross section was investigated as a potential method to reduce floodplain impacts. As the roadway is receiving state funding, minimum lane and shoulder widths have set. The trail must also meet ADA requirements, with a grassy buffer being required in order to meet the RCWD stormwater management standards for linear impervious. Further reductions in the roadway or trail widths are not feasible given the safety and design standards set by the funding source. Additionally, a significant portion of floodplain fill is proposed in order to stabilize the shoreline along Clear Lake.

Property Transfers/Easements

The city owned portion of the corridor is shown on the attached plan set. The bulk of the roadway is located on an approximately 60' easement which is flanked by the MnDNR WMA and by I-35 to the west, and the MnDNR WMA and Clear lake to the east. In discussion with the MnDNR and MnDOT it has been made clear that additional easements/property transfers are highly unlikely to be granted, and that any improvements must be kept within the existing roadway easement. There are no other city owned facilities/property around Clear Lake that could be utilized for compensatory treatment. Property acquisition, and likely building demolition, would be required to provide a site for compensatory excavation.

Corridor Excavation

Excavation along the corridor was considered within the city owned right-of-way; however, the delineated wetland boundary extends to the toe slope of the roadway. Wetland areas may not be used for floodplain compensatory storage, and the roadway embankment is already at the maximum sideslope of approximately 4:1. Excavation outside of wetland areas would require

additional retaining wall, or a further reduction in the proposed cross section. These wetlands were identified along the entire project corridor within the Clear Lake floodplain.

Rule C: Stormwater Management.

A stormwater management plan has been completed, and a separate application has been submitted to RCWD.

Rule D: Soils and Erosion Control.

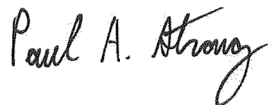
A SWPPP and erosion control plan has been completed, and a separate application has been submitted to RCWD.

Rule D: Wetlands

This project will lead to wetland impacts. A wetland delineation has been completed, and a separate application including the delineation and wetland impacts proposed as part of the project has been submitted.

Sincerely,

Bolton & Menk, Inc.



Paul Strong, PE

Water Resources Project Engineer

Attachments

Figure 1-4 – Floodplain Fill Maps

List of Appendices

Appendix A – Floodplain Delineation Map

Appendix B – Delineated Wetland Map



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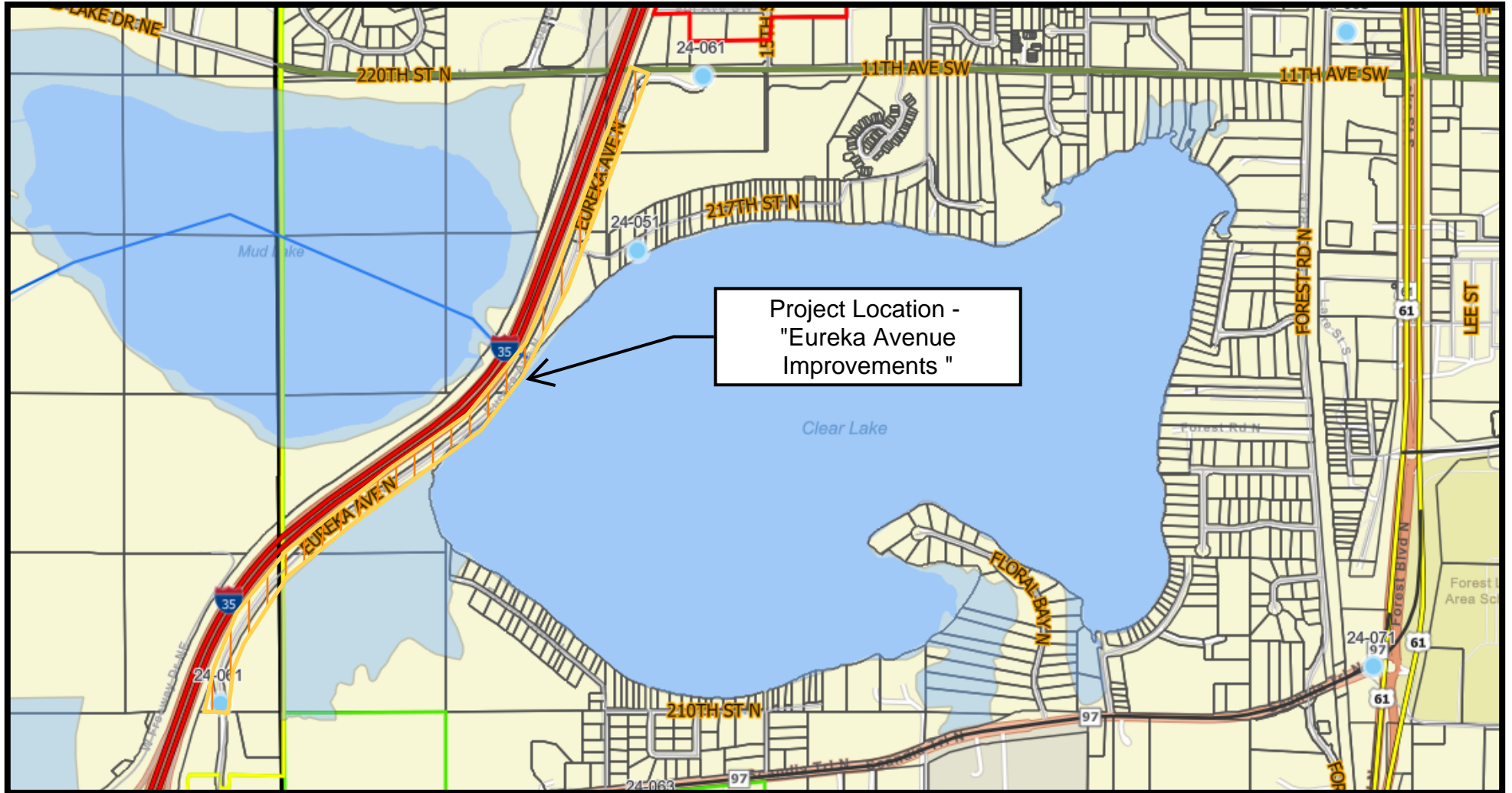


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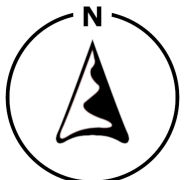


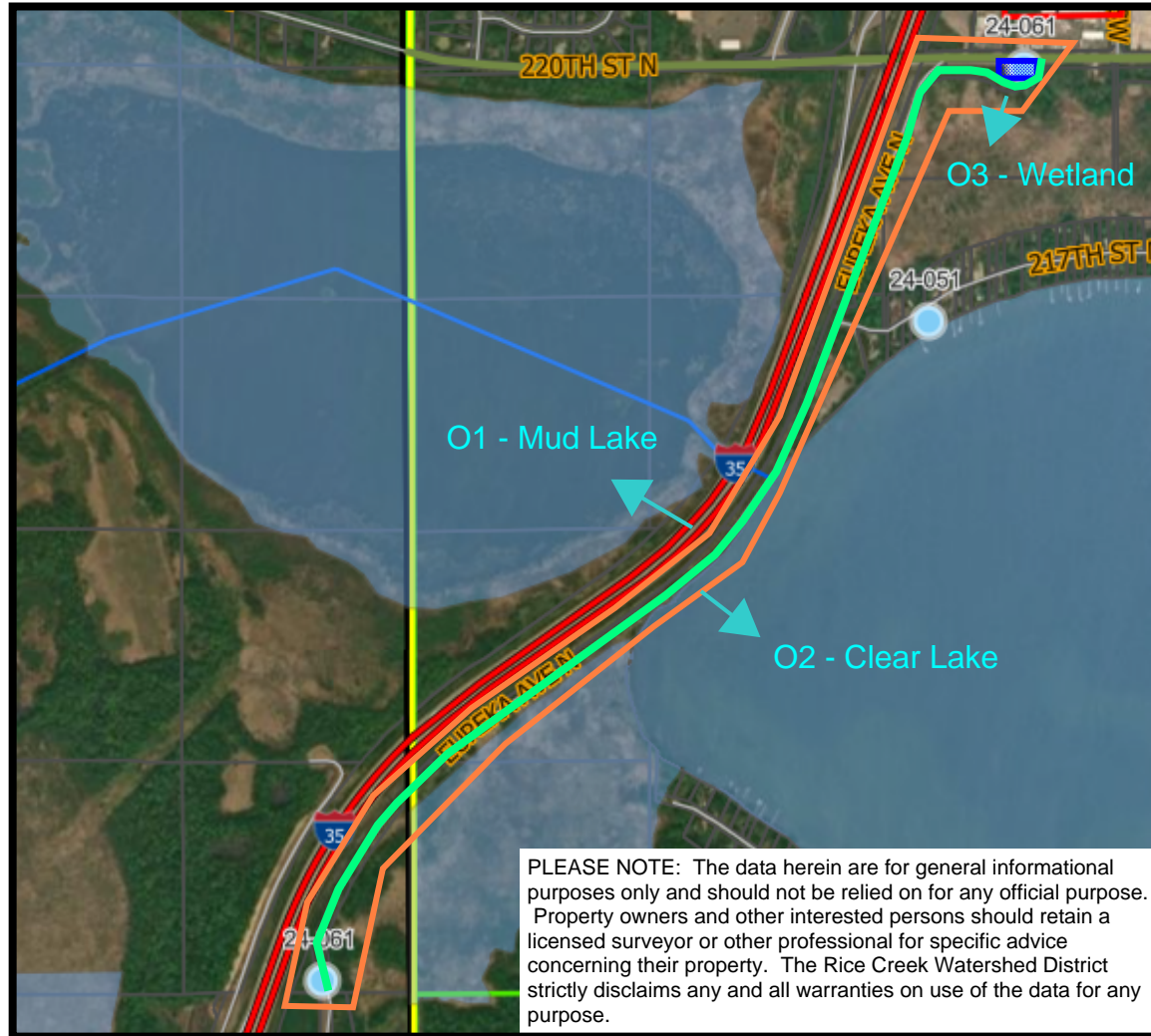
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Legend

- District Boundary
- Project Location
- ~ Public Waterway






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

 Eureka Avenue Improvements

 Bio-filtration Basin

 Drainage Arrow



ITEMS REQUIRING BOARD ACTION

1. Check Register Dated March 12, 2025, in the Amount of \$151,280.22 Prepared by Redpath and Company

Rice Creek Watershed District
Check Register
February 27, 2025 - March 12, 2025
To Be Approved at the March 12, 2025 Board Meeting

Check #	Date	Payee	Description	Amount
26003V	01/22/25	Blaine Shopping Center, LLC	Rent-February	(\$8,836.98) Void
26413	03/12/25	Barr Engineering	Engineering Expense	10,663.16
26414	03/12/25	City of Mounds View	Professional Services	200.00
26415	03/12/25	Dunaway Construction	Contracted Services	19,500.00
26416	03/12/25	Hugo's Tree Care Inc.	Contracted Services	4,550.00
26417	03/12/25	League of MN Cities Ins. Trust WC	Insurance & Bonds	7,927.00
26418	03/12/25	ODP Business Solutions, LLC	Office Supplies	81.42
26419	03/12/25	Print Central	Legal Notices	459.40
26420	03/12/25	Regents of the University of MN	Contracted Services	3,000.00
26421	03/12/25	Rinke Noonan	Legal Expense	7,307.40
26422	03/12/25	Safeguard Business Systems	Office Supplies	709.26
26423	03/12/25	Timesaver Off Site Secretarial, Inc.	Professional Services	258.00
26424	03/12/25	Washington Conservation District	Contracted Services	2,315.25
11446	03/12/25	Schwieters Properties	Surety Release - #00-107	3,500.00
11447	03/12/25	Wheeler Lumber, LLC.	Surety Release - #99-012	1,500.00
Payroll	03/15/25	Mar 15th Payroll (estimate)	Mar 15th Payroll (estimate)	40,260.55
EFT	03/12/25	Blaine Shopping Center, LLC	Rent-March	8,836.98
EFT	03/03/25	Card Services-Elan	February/March Credit Card	2,522.73
EFT	03/12/25	Comcast	Telecommunications	319.89
EFT	03/01/25	Medica	March Employee Benefits	15,879.01
EFT	03/12/25	Rymark	Professional Services	3,216.04
EFT	03/12/25	Wex Bank	Vehicle Fuel	215.99
EFT	03/12/25	Xcel Energy	Telecommunications	13.19
EFT	03/12/25	Xcel Energy	Telecommunications	14.29
EFT	03/01/25	US Bank Equipment Finance	Equipment Lease	669.32
EFT	03/15/25	Internal Revenue Service	3/15 Federal Withholding (estimate)	14,012.00
EFT	03/15/25	Minnesota Revenue	3/15 State Withholding (estimate)	2,410.00
EFT	03/15/25	Empower Retirement	3/15 Deferred Compensation	1,085.00
EFT	03/15/25	Empower Retirement	3/15 Roth IRA	115.00
EFT	03/15/25	Health Equity	3/15 HSA	453.83
EFT	03/15/25	PERA	3/15 PERA (estimate)	8,122.49
Total				<u><u>\$151,280.22</u></u>

ITEMS FOR DISCUSSION AND INFORMATION

1. Ramsey County Ditch (RCD) #1 Records Correction Public Hearing Update

MEMORANDUM
Rice Creek Watershed District



Date: March 5, 2025
To: RCWD Board of Managers
From: Tom Schmidt, Public Drainage & Facilities Manager
Subject: Ramsey County Ditch (RCD) 1 Records Correction Public Hearing Update

Introduction

This is an informational item on Ramsey County Ditch #1 (RCD#1) Records Correction, As Constructed and Subsequently Improved Condition (ACSIC). Further analysis, as the Board directed at the public hearing, will be shared, seeking any additional Board input in advance of the continued of the public hearing noticed for the March 26 board meeting.

Background

On Wednesday, January 22, 2025, the Board held a public hearing on RCD#1; at the hearing, the Board took testimony from the public, and staff read into the record a letter from the DNR expressing concerns, not about the ACSIC determination, but rather about potential future public water impacts if the drainage system was ever repaired to the recommended ACSIC. Upon hearing testimony from the public and considering the letter from the DNR, the Board continued the public hearing until a future date to be determined.

The Board directed the District Engineer to examine the hydrological effects of the potential modification of the culvert on County Road I by modifying either the invert and/or the size and to further engage with the DNR on their submitted letter, in addition to inquiring with the county about potential further historical information relating to the establishment of County Road I/Hamline Ave., staff were directed to bring this matter to a future board meeting to inform and discuss the results.

The engineer has completed the directed analysis and further DNR engagement and will discuss their results with the Board.

Staff Recommendation

This Item is informational and for discussion.

Attachment

HEI Ramsey County Ditch 1 Draft Documentation and Conditions Review Dated February 28, 2025

Technical Memorandum

To: Nick Tomczik
Administrator, RCWD

Cc: Tom Schmidt, RCWD
John Kolb, Rinke-Noonan

From: Adam N. Nies, PE CFM

Through: Chris Otterness, PE

Subject: Ramsey County Ditch 1
Documentation and Conditions Review

Date: February 28, 2025

Project #: 5555-0345

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

DRAFT

Adam N. Nies
Reg. No. 53358

Date: 2/28/2025

INTRODUCTION

During the public hearing on January 22, 2025 regarding the reestablishment of the historical record of Ramsey County Ditch 1 (RCD 1), a comment letter from the MnDNR was read into the record and several comments were received from members of the public that expressed concern regarding the existing and As Constructed and Subsequently Improved Condition (ACSIC) elevations of the Hamline Ave. culvert crossing at the upstream portion of RCD 1 and the overtopping elevation of Hamline Ave. Based on the discussion at the hearing, the decision to adopt the historical record was postponed until further investigation of these elevations and their implications could be completed. The Rice Creek Board of Managers directed staff in coordination with the District Engineer (HEI), to further investigate the establishment of the Hamline Ave./ County Road I crossing and the potential effects of lowering/resizing the culvert. This investigation includes inquiries to the County regarding the potential of additional historical records of the establishment of Hamline Ave., along with modeling to determine the effects of potential modifications to the crossing, such as changes to invert, or culvert size. The purpose of this memorandum is to provide the Rice Creek Watershed District (RCWD) with additional context to future management decisions related to the ACSIC profile. The ACSIC is the basis for future maintenance and repair of the public drainage system. The Board may decide for a variety of reasons to repair the public drainage system to some condition less than the ACSIC depth.

Further details of the historic records review and ACSIC determination is contained within the RCD 1 Historical Review Memo dated 4/10/2024.

ADDITIONAL DOCUMENTATION INVESTIGATION

Ramsey County transferred several public drainage systems to the RCWD in 1973, including RCD 1. At that time, RCWD requested Ramsey County provide all records pertaining to the systems it was transferring. Documentation received at that time was limited, with few establishment records. Between 2008 and 2024, RCWD and HEI staff made multiple inquiries to Ramsey County to request all remaining records available regarding those public drainage systems, including RCD 1. HEI staff also researched archives at the Minnesota Historical Society to attempt to locate additional records. The records found in this research was added to RCWD's library of public drainage system documents.

In February of 2025, the Ramsey County Highway Department was again contacted to determine if there was the potential of any additional documentation known to exist regarding the establishment of the roadway crossings along RCD 1. The County reviewed their records and provided a copy of their documentation related to RCD 1, which included four documents not previously held by the RCWD and a more complete version of one previously held document. The following is a summary of these documents.

1902 – THE MARSDEN LAKE DITCH PROFILE CUT SHEETS includes two pages of stations and elevations and cut depths of the original ditch. The datum of the elevations is unknown; however, the proposed ditch grade is approximately 0.12%, which is consistent with other documentation and the previously determined ACSIC. This document corroborates that Hamline Ave. was not in place at the time of construction and shows the historic crossing of Kettle River and Moundsview Road which is now a bike path.

1940 – PROFILE AND ROADWAYS RAMSEY CO SURVEYOR is a more complete version of a document already considered including ditch profile and structures.

1980 – CO. DITCH #1 SURVEY MAP displays a sketched-in approximation of the RCD 1 alignment overlaid on a contour map. The map suggests an alignment of RCD 1 extending through Marsden Lake all of the way to Turtle Lake. However, no other documentation regarding RCD 1 indicates the ditch extending into the main body of Marsden Lake, let alone extending east into Turtle Lake. The sketched alignment of RCD 1 on this map therefore does not appear to be accurate.

STPAUL_ WATERUTILITY presents profiles of the water utility in the vicinity of Hamline Ave. and validates the inverted siphon configuration already known through other documentation and survey.

1999 – MARSDEN OUTLET MODIFICATION MEMO documents the consideration of modifications to the Marsden Lake outlet control structure, completed by Montgomery Watson. That memo noted that the Hamline Ave. culvert controls north Marsden Lake's water levels. The memo noted an interest at the time to potentially modify the Hamline Ave. culvert to increase water storage upstream. However, the memorandum made no specific recommendations and we are not aware of any modifications to the system that were initiated by the RCWD following this memo.

Of the documents provided by Ramsey County Highway Department staff, only the 1902 Cut Sheets are pertinent to the ACSIC grade. The information in that document does not refute, but rather reinforces prior conclusions regarding the ACSIC for RCD 1. **Therefore, the conclusions from the 4/10/2024 historical review memorandum are valid, and we continue to recommend that it be used as the basis for reestablishing the public drainage system record.**

MN DEPARTMENT OF NATURAL RESOURCES COORDINATION

The MnDNR provided a comment letter on January 21, 2025 regarding their review of the engineer's report for the records reestablishment. Their letter identifies the northern extent of Marsden Lake (Public Water #62-59P) as extending north of Patrol Road to County Road I. The letter goes on to acknowledge that although the culvert invert at the County Road I / Hamline Ave. crossing is approximately 1.5 feet above the Engineer's proposed ACSIC profile, the culvert invert (bottom elevation) appears to have been set at or near its current elevation for quite some time, possibly 80 years or more, and was in place at the time of the original Public Waters Inventory delineations. Their letter includes reference to several public waters work permits that were obtained for work that occurred between the Patrol Road and Hamline Ave. The MnDNR notes their concern that if in the future, the culvert at Hamline Ave. were to be lowered to the proposed ACSIC elevation, there is potential drainage impacts to Marsden Lake (#62-59P).

The District Engineer and District staff completed a conference call with the MnDNR on 1/28/2025 to discuss the content and intent of the comment letter. Through that conversation, it was confirmed that the MnDNR was not challenging the ACSIC profile elevation, but rather highlighting their position that any future work involving the Hamline Ave. crossing would require involvement from the MnDNR (likely via a public waters work permit) which would need to demonstrate the avoidance of undue impacts to public waters. They further recommended early coordination with the MnDNR on any related work in this area.

HYDRAULIC ANALYSIS OF HAMLINE AVE. CULVERT

Following the public hearing on January 22, 2025 the Board of Managers requested detailed information regarding the effect of potential changes to the Hamline Ave. crossing or RCD 1 on upstream flood levels. Landowners at the public hearing noted concerns regarding flooding in backyard areas and at Hamline Ave. Hamline Ave. currently overtops at an elevation of 887.1 approximately 275 feet south of the RCD 1 centerline, and corresponds to approximately the 2-year rainfall event). Two alternatives were analyzed within the District-wide model:

1. Lower the Hamline Ave. culvert invert elevation to the ACSIC; and
2. Increase the Hamline Ave. culvert capacity (size increase) while keeping the culvert at its current elevation, to decrease the potential for road overtopping.

ALTERNATIVE 1 - LOWERING THE HAMLINE AVENUE CULVERT creates minimal reduction in water surface elevation (<0.1 feet) in Marsden Lake, no perceptible flood risk reduction to residential areas, and no change to the Turtle Lake water surface elevation. Therefore, lowering the culvert is not a reasonable approach to addressing flooding concerns.

ALTERNATIVE 2 – INCREASING THE HAMLINE AVENUE CULVERT CAPACITY creates approximately 0.5 feet of reduction in peak flood levels at the north lobe of Marsden lake, less than 0.1 feet of flood risk reduction to residential areas, and no change to Turtle Lake water surface elevations. The size increase was targeted to prevent the road from overtopping during a 25-year event. To meet this criteria required three (3) 36-inch culverts. This reduces the overtopping frequency from approximately a 10-year rainfall event to a 25-year rainfall event. However, arterial roadways are often designed for overtopping at a frequency of a 50-year rainfall event. To further reduce the risk of roadway overtopping likely would require a raising of the roadway in this location, in conjunction with a capacity increase. Ultimately, it is the purview of Ramsey County to determine the appropriate culvert sizing and roadway overtopping elevation to meet their desired level of service and risk tolerance, and to implement actions to achieve these goals.

Table 1 displays the effect on flood elevations resulting from potential future changes to the culvert at Hamline Ave. The work conceptualized in both Alternatives would require regulatory coordination with the MnDNR.

RECOMMENDATIONS

We recommend that the Board of Managers adopt the ACSIC as proposed within the 4/10/2024 Historical Review Memorandum, noting that the adopted ACSIC does not obligate the District to modify any portion of the system for consistency with ACSIC grade. This means, for instance, that a culvert significantly higher than ACSIC grade may not need to be lowered if the benefits of performing that particular action do not outweigh the environmental impacts and associated costs. The Board of Managers has routinely encountered similar management considerations on other public drainage systems and has often decided upon management strategies that utilize repair depths less than the originally established condition.

At this time, there is no planned or contemplated work to be done on RCD 1 other than routine inspection and minor maintenance. We recommend that the analysis within this memorandum be shared with Ramsey County in their future evaluation of management decisions for County Road I.

Table 1 – Effects of Hamline Ave. Crossing Modifications on Flood Elevations (feet) **

Map Location*	2-year			10-year			25-year			50-year			100-year		
	Existing Conditions	Alt 1 - Lower Culvert to ACSIC	Alt 2 - Increase Capacity	Existing Conditions	Alt 1 - Lower Culvert to ACSIC	Alt 2 - Increase Capacity	Existing Conditions	Alt 1 - Lower Culvert to ACSIC	Alt 2 - Increase Capacity	Existing Conditions	Alt 1 - Lower Culvert to ACSIC	Alt 2 - Increase Capacity	Existing Conditions	Alt 1 - Lower Culvert to ACSIC	Alt 2 - Increase Capacity
Upstream of Hamline Ave (A)	887.37	887.31 (-0.06)	886.09 (-1.28)	887.94	887.88 (-0.05)	886.97 (-0.97)	888.25	888.2 (-0.05)	887.68 (-0.57)	888.56	888.49 (-0.07)	888.02 (-0.54)	888.9	888.85 (-0.05)	888.29 (-0.61)
Marsden Lake (North) (B)	887.72	887.69 (-0.03)	887.55 (-0.17)	888.23	888.19 (-0.05)	887.8 (-0.43)	888.58	888.54 (-0.04)	888.11 (-0.47)	888.85	888.81 (-0.04)	888.38 (-0.47)	889.19	889.17 (-0.03)	888.74 (-0.46)
Marsden Lake (South) (C)	889.1	889.1 (0)	889.1 (0)	889.77	889.77 (-0.01)	889.75 (-0.02)	890.26	890.26 (-0.01)	890.23 (-0.03)	890.67	890.67 (-0.01)	890.64 (-0.03)	891.03	891.03 (0)	891.02 (-0.02)
Wetland NW of Turtle Lake (D)	887.89	887.89 (0)	887.89 (0)	888.89	888.89 (0)	888.89 (0)	889.37	889.37 (-0.01)	889.37 (0)	889.75	889.74 (-0.01)	889.74 (-0.01)	890.12	890.11 (-0.01)	890.11 (-0.01)
Turtle Lake (E)	891.85	891.85 (0)	891.85 (0)	892.03	892.03 (0)	892.03 (0)	892.17	892.17 (0)	892.17 (0)	892.31	892.31 (0)	892.31 (0)	892.45	892.45 (0)	892.45 (0)
Silverthorn Development (South) (F)	887.89	887.9 (0.02)	887.91 (0.02)	888.57	888.52 (-0.05)	888.46 (-0.10)	889.81	889.73 (-0.08)	889.65 (-0.17)	890.55	890.53 (-0.02)	890.51 (-0.03)	890.92	890.89 (-0.03)	890.87 (-0.05)
Silverthorn Development (North) (G)	889.59	889.59 (0)	889.59 (0)	890.1	890.1 (0)	890.1 (0)	890.34	890.34 (-0.01)	890.34 (-0.01)	890.61	890.59 (-0.02)	890.58 (-0.03)	890.96	890.93 (-0.03)	890.91 (-0.05)
Downstream of Hamline (H)	885.83	885.81 (-0.02)	886.04 (0.21)	886.06	885.97 (-0.09)	886.88 (0.82)	886.29	886.2 (-0.09)	887.54 (1.25)	886.72	886.63 (-0.1)	887.88 (1.15)	887.12	887.12 (-0.12)	888.15 (1.03)

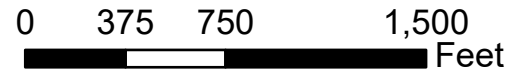
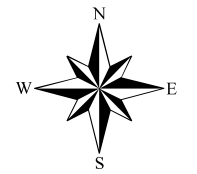
*See Figure 1 for modeled flood locations

** All elevations provided herein are based on North American Vertical Datum of 1988 (NAVD 88)



Rice Creek Watershed District Ramsey County Ditch 1

- Hydraulic Model Nodes
- RCD1 Current Alignment
- RCD1 Watershed
- RCWD Boundary
- County Boundary
- City Boundary
- FEMA Base Floodplain
- Public Water Basin



Hamline Ave. Culvert Considerations					
Scale: AS SHOWN	Drawn by: KRB	Checked by: ANN	Project No.: 5555-345	Date: 2/28/2025	Sheet:

ITEMS FOR DISCUSSION AND INFORMATION

2. District Engineer Updates and Timeline



**District Engineer - Monthly Project Report February 2025
Rice Creek Watershed District**



Date Prepared:
Prepared by:

5-Mar-25
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 1 Records Reestablishment	Adam Nies	\$27,500	\$30,238	(\$2,738)	Y	100.0%	110.0%	N	N/A	31-Dec-23	A public hearing was completed on January 22, 2025 to review and consider the public drainage system record. Based on comments at the meeting, HEI has completed additional records investigation and review of repair implactions and has prepared a supplemental report. Continuation of the public hearing has been set for March 26.
ACD 53-62 Branches 5 & 6 Repair Report	Adam Nies	\$82,200	\$87,073	(\$4,873)	N	98.0%	105.9%	N	N/A	30-Apr-24	The final repair report is completed. The report will be presented to the public at an informational meeting
RCD 4 Final Plans/Specs, Bidding and Construction Management	Adam Nies	\$68,000	\$60,010	\$7,990	N	95.0%	88.3%	Y	N/A	31-Dec-24	The contractor has completed major work items. Project will be closed out in spring once vegetation establishment has been confirmed. RCWD has awarded work for a 2nd phase to stabilize selected bank areas.
GIS and Ditch Records Maintenance; DrainageDB Annual Subscription	Brian Fischer	\$16,000	\$2,660	\$13,340	Y	16.7%	16.6%	Y	N/A	31-Dec-25	Drainage records are being added to DrainageDB on a quarterly basis.
MS4Front Annual Subscription and Implementation Services	Brian Fischer	\$16,000	\$900	\$15,100	Y	16.7%	5.6%	Y	N/A	31-Dec-25	We continued to make updates on an as-requested basis.
Enhanced Street Sweeping Initiative	Rachel Olm	\$29,000	\$28,499	\$502	N	95.0%	98.3%	Y	N/A	31-Dec-24	HEI has completed a draft report which is now being reviewed by District staff
2024 District Wide Modeling Program Annual Updates	Bret Zimmerman	\$30,900	\$26,005	\$4,895	N	85.0%	84.2%	Y	N/A	1-Nov-24	We are continuing model revisions based on updated data and changes to conveyance system in 2024
2025 Stormwater Management Grant Program Application Review	Chris Otterness	\$7,500	\$6,755	\$745	Y	100.0%	90.1%	Y	N/A	29-Jan-25	We have completed reviews of the SMG applications.
Comprehensive Wetland Protection and Management Plans Annual Reporting - 2024	Chris Otterness	\$17,000	\$9,857	\$7,143	N	95.0%	58.0%	Y	N/A	7-Feb-25	A draft CWPMP annual report has been prepared and submitted to District staff for 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 February 2025

