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RCWD BOARD OF MANAGERS REGULAR MEETING AGENDA

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

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

<https://us06web.zoom.us/j/87193790011?pwd=bvFLO0obzK6Ua3ubDxZf7PCtQmAQTr.1>

Meeting ID: 871 9379 0011

Passcode: 004086

+1 312 626 6799 US (Chicago)

Meeting ID: 871 9379 0011

Passcode: 004086

Agenda

CALL TO ORDER

ROLL CALL

SETTING OF THE AGENDA

APPROVAL OF MINUTES: JANUARY 22, 2025, REGULAR MEETING; JANUARY 22, 2025, RAMSEY COUNTY DITCH 1 DRAINAGE SYSTEM CORRECTION PUBLIC HEARING

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
25-002	City of Lino Lakes	Lino Lakes	Street & Utility Plan Wetland Alteration Floodplain Alteration	CAPROC 6 items
25-003	Centennial Public Schools (ISD #12)	Blaine	Final Site Drainage Plan	CAPROC 3 items
25-005	City of New Brighton	New Brighton	Final Site Drainage Plan Land Development Street & Utility Plan Public/Private Drainage System Floodplain Alteration	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 February 4, 2025.

PUBLIC HEARING: STORMWATER MANAGEMENT GRANT REQUESTS FROM CITIES OF CENTERVILLE, MOUNDS VIEW, NEW BRIGHTON, AND WHITE BEAR TOWNSHIP

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. Annual Designation of Depository and Newspaper (Nick Tomczik)
2. Citizen Advisory Committee Member Appointment for Vacant Positions (Kendra Sommerfeld)
3. RCWD Mini Grants Program - North Metro Pollinator Pathway 2025-2026 Funding (Molly Nelson)
4. Ramsey County Lake Monitoring Services (Matt Kocian)
5. 2025 Agreement for Carp Management Services (Matt Kocian)
6. Washington Judicial Ditch #2 Right of Way Maintenance (Tom Schmidt)
7. 2025 Information Management – Houston Engineering Inc. Task Orders (Nick Tomczik)
8. Check Register Dated February 12, 2025, in the Amount of \$181,474.86 Prepared by Redpath and Company

ITEMS FOR DISCUSSION AND INFORMATION

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

**APPROVAL OF MINUTES: JANUARY 22, 2025, REGULAR MEETING;
JANUARY 22, 2025, RAMSEY COUNTY DITCH 1 DRAINAGE
SYSTEM CORRECTION PUBLIC HEARING**

DRAFT

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

REGULAR MEETING OF THE RCWD BOARD OF MANAGERS

Wednesday, January 22, 2025

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

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

Minutes

CALL TO ORDER

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

ROLL CALL

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

Absent: 1st Vice-President John Waller (with prior notice)

Staff Present: District Administrator Nick Tomczik, Regulatory Manager Patrick Hughes, (video-conference) Technical Field Assistant Connor Price, Program Support Technician Emmet Hurley (video-conference), Office Manager Theresa Stasica

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

Visitors: None

SETTING OF THE AGENDA

Administrator Tomcik requested that a new agenda item be added as #5 for Contracted Services Agreement – JD2 Work Order, and renumber the rest of the agenda.

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

READING OF THE MINUTES AND THEIR APPROVAL

Minutes of the January 6, 2025, Workshop; January 9, 2025, Board of Managers Regular Meeting.

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

35

36 **CONSENT AGENDA**

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

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

40 No.	Applicant	Location	Plan Type	Recommendation
41 24-040	Menomonie Land 11, LLC	Blaine	Final Site Drainage Plan	CAPROC 15 items
42	Rechner, LLC		Land Development	
43	JSN Properties, LLC		Wetland Alteration	
44	BlaineSpec IRA, LLC		Floodplain Alteration	
45	Contour Land, LLC			

46 Regulatory Manager Hughes gave an overview of the application for Permit No. 24-040.

47

48 *It was moved by Manager Wagamon, seconded by Manager Robertson, , to approve the consent agenda*
49 *as outlined in the above Table of Contents in accordance with RCWD District Engineer’s Findings and*
50 *Recommendations, dated January 14, 2025. Motion carried 4-0.*

51 **OPEN MIC/PUBLIC COMMENT**

52 There were no comments.

53 **ITEMS REQUIRING BOARD ACTION**

54 **1. Board Election of Officers**

55 District Administrator Tomczik reminded the Board that, on an annual basis, the Board elects officers
56 for the year. He noted that he had spoken with Manager Waller who was unable to attend today’s
57 meeting who told him that he wanted the Board to feel free to move ahead with the business of the
58 District in his absence.

59

60 *Motion by Manager Bradley, seconded by Manager Weinandt, to approve the slate of existing*
61 *officers which included: Michael Bradley – President; John Waller – Vice President; Steve*
62 *Wagamon – Second Vice President; Jess Robertson – Secretary; and Marcie Weinandt – Treasurer.*
63 *Motion carried 4-0.*

64

65 **2. Rice Creek Watershed District Permits in Ramsey County**

66 District Administrator Tomczik explained that this was an informational item designed to provide
67 some transparency and address some comments that had been received from the previous
68 presentation to the Board.

69

70 Regulatory Manager Hughes explained that at their December meeting, the Board had voted to
71 continue the inspection services agreement with the Ramsey County SWCD for permit inspections
72 and other activities and he had shared some general information about the services they provide.

73 He stated that the Board had requested some additional detail surrounding the work that this
 74 entailed and shared that from 2020 to 2024 the District received 542 permit applications and 131
 75 of those applications were within the portion of the District that Ramsey County SWCD inspects
 76 (24% of the applications). He noted that in the same time period, the District had completed 3,616
 77 inspections across all inspectors and Ramsey County SWCD accounted for 1,327 of those inspections
 78 (36.7% of all inspections).

79
 80 District Administrator Tomczik noted that this was not for the entirety of Ramsey County or even
 81 the entirety of the portion of Ramsey County that was contained within the RCWD.

82
 83 Manager Weinandt stated that she felt that this data emphasized that there are permit applications
 84 throughout the District which appear to be pretty proportional.

85
 86 **3. Washington County Cooperative Weed Management Area Partnership**

87 District Administrator Tomczik stated that this proposed renewal of the Memorandum of
 88 Understanding (MOU) gives the District the opportunity to collaborate and demonstrate support for
 89 a partner initiative with Washington County. He noted that this MOU did not obligate the District
 90 for any action or expense, and was intended as a show of support. He explained that Rinke Noonan
 91 had reviewed it who confirmed that it did not create any financial obligations or require that the
 92 District adopt of change any of its practices.

93
 94 ***Motion by Manager Weinandt, seconded by Manager Wagamon, to authorize the Administrator,***
 95 ***on advice of counsel, to sign entering into the Washington County Cooperative Weed***
 96 ***Management Area Memorandum of Understanding. Motion carried 4-0.***

97
 98 **4. Houston Engineering, Inc. Task Order 2025-001: Comprehensive Wetland Protection and**
 99 **Management Plans (CWPMP) Annual Reporting**

100 Regulatory Manager Hughes explained that the CWPMPs are a modification of the Wetland
 101 Conservation Act, and the District is required to report on their activities annually. He stated that
 102 Houston Engineering had put together a Task Order in order to assist staff with gathering the
 103 necessary information and putting together the annual report.

104
 105 Manager Wagamon asked for the *Cliff's Notes* version of the importance and what the CWPMPs
 106 actually do.

107
 108 Regulatory Manager Hughes stated that the CWPMPs were collaborative efforts with cities that
 109 participate in the area to look at wetlands, public drainage systems and serve as a way to modify
 110 the Wetland Conservation Act in those areas. He noted that it can alter the wetland replacement
 111 ratios in order to incentivize keeping the wetlands together and having a lower replacement ratio
 112 outside of the corridor.

113

114 President Bradley noted that his recollection was that the settlement agreement that the District
115 had in Blaine divided the area into a northern and a southern area based on the CWPMP in order to
116 protect the northern area from development.

117
118 Regulatory Manager Hughes stated that this was a good example and noted that in the early 2000s
119 it was called the CWMP, that showed the intended wetland management corridor area or the
120 wetland preservation zone as it was identified in the rule at the time.

121
122 District Administrator Hughes stated that the CWPMP was a resource assessment, so the wetlands
123 that are within the corridor were assessed and determined to be of higher or lower value and the
124 corridor would then be further refined as developments come through.

125
126 Manager Robertson stated that, historically, there have been challenges within Anoka County,
127 specifically the City of Blaine regarding the Metro Gun Club. She asked if something like this would
128 impede their plans or make it more difficult to develop that site and stated that the Board had talked
129 a few months ago about some of the watershed's regulatory items and how some can be superseded
130 by State and Federal laws. She explained that she wanted to be careful that the District was not
131 boxing themselves in and stated that she felt the intention was good, but where she has an objection
132 is that the District creates regulations and rules that are 'blanket' when in reality, there are wetlands
133 that have degradation. She noted one of the items approved earlier in the meeting was related to
134 what she would call 'trash' wetlands and not 'premium' wetlands, but they still ended up in a fight
135 about the wetlands and she did not want to become a habit. She explained that she still wanted
136 there to be some type of collaborative effort, if there are unforeseen things, or specific things that
137 are characteristic to one site versus another, and clarified that she did not want the District to just
138 make blanket rules.

139
140 President Bradley stated that these exist because a City came to the District and asked for them.

141
142 Manager Robertson asked if the City of Blaine had asked for them.

143
144 President Bradley confirmed that the City of Blaine had asked for this and explained that the District
145 had not initiated it. He explained that this was an effort by them to try to work around the problems
146 they are facing because of the wetlands. He noted that they also have one in Forest Lake and
147 Columbus and reiterated that none of them were initiated by the District. He stated that this was
148 merely a contract to report on the status. He noted that he felt the points raised by Manager
149 Robertson were well taken but noted that he had been on the Board for 11 years and these were all
150 created prior to him joining the Board.

151
152 District Administrator Tomczik stated that this is a plan that can identify what development may
153 look like but does not prohibit landowners from proposing to impact wetlands or applying to move
154 the public drainage system.

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District Attorney Kolb stated that he felt that President Bradley and District Administrator Tomczik had given an excellent explanation but wanted to make a comment about the ‘blanket’ issue raised by Manager Robertson. He explained that the reason that the District has these individualized plans was because strict applications of the Wetland Conservation Act across the entire District would have resulted in extreme limitations on development. He stated that these plans were intended to be applied to specific areas, with specific resource concerns, and development needs in order to protect what was important but facilitate alterations that would encourage and allow development. He explained that this was an attempt by the District to really customize application of the Wetland Conservation Act in a way that was consistent with it to actually allow for recognition of higher and lower quality wetlands and allow for the consolidations of uplands. He noted that he felt that without that, much of the development that had responsibly occurred under the District’s supervision would not have been likely to be able to occur. He reiterated that this was really a way to try to customize the regulatory program within specific areas of the District in order to achieve economic development along with resource protections.

Manager Wagamon stated that he wanted to make it clear that his forthcoming comments were not intended to show any disrespect to the City of Columbus because they have had excessive turnover and were trying to get their feet back under themselves. He stated that he had spoken with them about their CWPMP and the new people coming in don’t really understand it or its significance and asked if there may be a way to get them up to speed in order to help them understand it.

District Administrator Tomczik stated that he can reach out to the City of Columbus and offer some assistance on this item.

Manager Wagamon suggested that he mention it to their new City Administrator before District Administrator Tomczik contacts them.

Manager Robertson stated that she felt it was important to continue to look for ways to ease the angst of development as it related to wetlands and communities being able to promote economic development.

Motion by Manager Bradley, seconded by Manager Wagamon, to authorize the Board President to execute the HEI Task Order 2025-01 to prepare the 2024 CWPMP Annual Monitoring Report in an amount not to exceed \$17,000. Motion carried 4-0.

5. Contracted Services Agreement – JD2 Work Order

District Administrator Tomczik explained that, on an annual basis, the Board enters into contracted services agreements which are the means they use to hire contractors to do maintenance on the ditch system. He stated that the District has one of those contracts with Dunaway Construction which are followed by work orders that outline specific works that are reported to the Board. He

196 stated that in this situation, staff, with approval from President Bradley, had entered into a work
 197 order with Dunaway Construction on JD2, main trunk, to do bank right-of-way work north of County
 198 Road 4, east of JD2, Branch 4 at a price of \$16,250. He stated that now they have another one and
 199 he was asking for Board approval for this one to be transparent because it would exceed the
 200 delegated threshold.

201
 202 President Bradley clarified that if they took the \$19,000 and this one for \$16,250 it would exceed
 203 the amount that the Board had authorized him to approve so he had suggested that they bring it
 204 back to the Board for discussion.

205
 206 ***Motion by Manager Bradley, seconded by Manager Weinandt, to move approval of the Contract***
 207 ***with Dunaway Construction to cut and mulch JD2, main trunk ditch, bank, and right-of-way, north***
 208 ***of County Road 4, SW of JD2, branch 4, at a price of \$19,662.50.***

209
 210 Manager Weinandt asked if this would come out of ad valorem funds.

211
 212 District Administrator Tomczik confirmed that it would come out of ad valorem and explained that
 213 the maintenance of the District’s public drainage system and its facilities were all ad valorem.

214
 215 Manager Weinandt asked if this was expected maintenance and not anything unusual.

216
 217 District Administrator Tomczik stated that the District does plan annual maintenance of its public
 218 drainage systems and facilities, however, some is unknown and gave examples of beaver dams and
 219 trees falling in, but noted that the District sets aside a pot of money to address these issues.

220
 221 ***Motion carried 4-0.***

222
 223 **6. RCWD 2025 Board of Managers Calendar Update**

224 District Administrator Tomczik stated the Minnesota Watersheds Summer Tour conflicted with the
 225 Board’s regular meeting day in June, so staff was recommending that they move the Board’s second
 226 meeting in the month to June 23, 2025.

227
 228 ***Motion by Manager Weinandt, seconded by Manager Bradley, to move the Board’s second***
 229 ***meeting in June to Monday, June 23, 2025, 9 a.m., City of Mounds View Council Chambers. Motion***
 230 ***carried 4-0.***

231
 232 **7. Check Register Dated January 22, 2025, in the Amount of \$366,404.37 and January Interim**
 233 **Financial Statements Prepared by Redpath and Company**

234
 235 Manager Weinandt noted that an updated report from Redpath and Company, dated January 21,
 236 2025, was placed on the dais prior to the meeting.

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Motion by Manager Weinandt, seconded by Manager Wagamon, to approve the check register dated January 22, 2025, in the Amount of \$366,404.37 and January Interim Financial Statements prepared by Redpath and Company. Motion carried 4-0.

Manager Weinandt noted that she very carefully followed the surety releases and commended Regulatory Hughes on getting some of the long-time open permits taken care of and off the books.

District Administrator Tomczik noted that they have had historic permits that Regulatory Manager Hughes and other staff members have done a good job of reconciling. He stated that his feeling was that staff had a good capture of what is open and what they should pay attention to and that the sureties that the District is holding are in alignment with the open permits in the system. He stated that for the monthly report from Redpath and Company, Office Manager Stasica does a lot of work to bring the Board’s approved budget into alignment, so everyone was starting on the same page.

Regulatory Manager Hughes stated that there were a lot of closures this past year which was fantastic and explained that he would be reporting more specific information on them at a later date. He noted that there had been a lot of discussion internally about the open, unresolved permits and the process of tackling them and explained that they have been putting a bit more effort into them during the winter months, so the Board can expect to see even more of them closing out.

ITEMS FOR DISCUSSION AND INFORMATION

1. Staff Reports

Manager Weinandt stated that she always finds the staff reports interesting but noted that they also highlight the work that is happening within the District that the Board does not see.

2. February Calendar

President Bradley stated that he was hopeful that the legislative meetings would take place in February. He reminded the Board that he would be out of the State until February 25, 2025, so Manager Waller would be taking over his duties during that timeframe.

3. Administrator Updates

District Administrator Tomczik stated that the District had received an update from the State regarding the Rice Creek boundary change petition that they were assembling quotes for the publication that they need to undertake. He noted that a number of cities had also asked for this information so they can inform landowners. He stated that there are residents and an association interested in improving the water quality of Peltier Lake. He noted that for ACD 10-22-32, Scandia Trucking did some work on the system and the review of the work was found to be consistent with what the District had asked them to do. He explained that at one time they had discussed a discrepancy in elevation from what a landowner had identified through their own independent surveyor versus the District’s surveys, which appeared to have to do with respective benchmarks,

278 one of which was a County benchmark and another which was a MnDOT benchmark. He stated
279 that the District’s work, and the survey, were in alignment, based on a different starting point.
280

281 District Engineer Otterness added that his survey crew confirmed a slight discrepancy between the
282 County and MnDOT benchmarks and that what was most important was that the benchmark that
283 the District was working off of has been consistent for all of the recent work on the system.
284

285 District Administrator Tomczik stated that the City of Willernie had a stormwater management grant
286 and had a staff person pass away. He explained that the District would be looking to award those
287 grant funds soon. He stated that he had reached out to Representative Sandra Feist regarding the
288 RCD 2, 3, and 5 project, notably the Jones Lake work. He explained that Representative Feist was
289 supportive and gave him some guidance so he would also be reaching out to some other elected
290 individuals and submitting a form that the State would like regarding their interest in bonding dollars
291 for that project. He stated that he had the District join the Ramsey County League of Local
292 Governments to help promote cooperation and collaboration. He noted that the public hearing
293 for RCD1 would be held at 6:00 p.m. tonight and noted that Manager Waller and Manager Robertson
294 would be absent with prior notice.
295

296 **4. Managers Update**
297

298 **ADJOURNMENT**

299 ***Motion by Manager Robertson, seconded by Manager Wagamon, to adjourn the meeting at 9:44 a.m.***

300 ***Motion carried 4-0.***
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RAMSEY COUNTY DITCH 1
DRAINAGE SYSTEM RECORD CORRECTION PUBLIC HEARING

Wednesday, January 22, 2025 6:00 p.m.

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

Draft-Minutes

CALL TO ORDER

President Michael Bradley called the meeting to order, a quorum being present at 6:02 p.m.

ROLL CALL

Present: President Michael Bradley, 2nd Vice-Pres. Steve Wagamon, and Treasurer Marcie Weinandt

Absent: 1st Vice-Pres. John Waller and Secretary Jess Robertson (with prior notice)

Staff Present: District Administrator Nick Tomczik, Drainage & Facilities Manager Tom Schmidt, Operations and Maintenance Inspector Abel Green (video-conference), and Technical Field Assistant Connor Price

Consultants Present: Adam Nies from Houston Engineering Inc. (HEI) and District Attorney John Kolb from Rinke Noonan

Visitors Present: Ann M. Maslansky-Takahasi, Kevin Gaylor, Sreekanth Ramisetty

Motion by Manager Bradley seconded by Manager Weinandt to appoint Manager Wagamon as secretary pro tem for the public hearing. Motion carried 3-0.

President Bradley stated the purpose of this hearing is to review the engineer's investigation and report of findings and receive comments from those affected by the proposed reestablishment and correction of the public drainage system record.

District Administrator Tomczik provided Board and consultant introductions.

District Administrator Tomczik noted that one written comment was submitted to be read into the record.

Drainage Attorney Kolb listed the legal hearing notice publications, including newspaper publications, email notice (for those who opted for it), mailed postcards and reports, and posted the notice on the District website, and office door.

32 District Administrator Tomczik stated no further testimony was received.

33 District Engineer Nies gave a presentation of the engineer’s review of this public drainage system
34 which defined and described the “As-Constructed and Subsequently Improved Condition”
35 (ACSIC) of the public system; and subsequent actions that may occur following these proceeding.

36 Manager Bradley asked for any questions from the District Board of Managers. No questions
37 were received.

38 Manager Bradley asked for any members of the public who wish to comment to do so at this
39 time.

40 Comments from public:

41 Anna M. Maslansky-Takahasi, 1570 Hillview Rd, Shoreview, MN 55126. She stated not enough
42 drainage due to changes in water table plumbing impacted significantly. States Shoreview plans
43 to develop further. Road collapsed and flooding near Turtle Lake. States that County Road I is
44 sinking. Highly used recreational area. Another concern is with utilities during flood conditions
45 and also the roundabout. Wants to preserve key land area such as oak native savannah, and
46 also highlighted the importance of preserving the area as it is great habitat for the Blandings
47 Turtle, Bald Eagles and Ospreys. Also pointed out the effect of high water on internet utilities
48 for landowners in the area.

49 President Bradley asked District Engineer Nies if changing the ditch would change anything
50 outside of the benefitted area.

51 District Engineer Nies said that assuming the benefitted parcels are correct, there would be no
52 difference with what happens to the water table outside the benefitted area.

53 Manager Weinandt clarifies the need for better collaboration between government agencies.

54 Sreekanth Ramisetty, 5820 Churchill Street, Shoreview, MN 55126. He spoke briefly stating that
55 he has had flooding issues on his property but realized that the topic being discussed at this
56 hearing doesn’t impact him directly.

57 Kevin Gaylor, 5560 Lexington Ave N, Shoreview, MN 55126. He stated that his issue is similar to
58 Anna’s. That County Road I is underwater occasionally and specifically points out issues with
59 culverts under County Road I. The drainageway from his property through army area is backing
60 up across Lake Avenue due to a ditch that hasn’t been maintained. Lost 50-60 large trees due to
61 flooding issues. If and when the army cleans out drainageway he has future concerns about
62 increases in runoff with development of TCAAP site.

63 Manager Bradley points out that the system is designed for 2-year events not 100-year and
64 improvements to system challenging. The RCWD rules for stormwater permits runoff must be
65 reduced to less than 80% of the existing condition already

66 Mr. Gaylor points out that there has been 100 years where the 80% rule was not in place and as
67 such the current system isn't up to par.

68 President Bradley made note that the DNR letter was to say do not drop Marsden Lake depth
69 by 1.5 ft

70 District Attorney Kolb went on to explain that that is correct. He also went on to say that there
71 are borings are consistent with descriptors in historical documents. There is also a potential
72 that culverts under County Rd I are placed too high. However, there could be issues with
73 lowering culvert now to the described 'ACSIC' level.

74 President Bradley asked District Engineer Nies to investigate the outcome of dredging the ditch
75 to the proposed ACSIC in relation to landowners in the area.

76 District Attorney Kolb suggested the need to discuss this topic further at a later date with all
77 managers present.

78 Manager Wagamon mentioned the need to discuss these issues before the ASCIC is passed. Says
79 need to look at it further before passing an ASCIC

80 The Board asked District Engineer Nies to investigate the hydrologic impact of lowering culverts
81 by 1.5 ft to proposed ASCIC level.

82 President Bradley mentioned the need to bring the other 2 managers not present at tonight's
83 meeting up to speed and bring this issue and information to a workshop in March to discuss the
84 engineer's findings on hydrologic impact.

85 President Bradley asked to inquire to DNR for further clarification on impact to Marsden lake.

86 ***Motion by President Bradley, seconded by Manager Wagamon to continue this conversation***
87 ***when all 5 managers can be present at a TBD Date, Time, Location and to elaborate on the***
88 ***landowner issues discussed today. Primarily discussion regarding the DNR and also the***
89 ***concerns mentioned by landowners to do with the culvert under County Rd I. Passed by all 3***
90 ***managers present***

91 President Bradley acknowledged the public concerns and expressed confidence in the Board
92 doing the right thing given the Board's basis in science and facts.

93

94 ***Motion by Manager Bradley, seconded by Manager Weinandt, to adjourn the meeting at 7:38***
95 ***p.m. Motion carried 3-0.***

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:

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25-005	City of New Brighton	New Brighton	Final Site Drainage Plan Land Development Street & Utility Plan Public/Private Drainage System Floodplain Alteration	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 February 4, 2025.

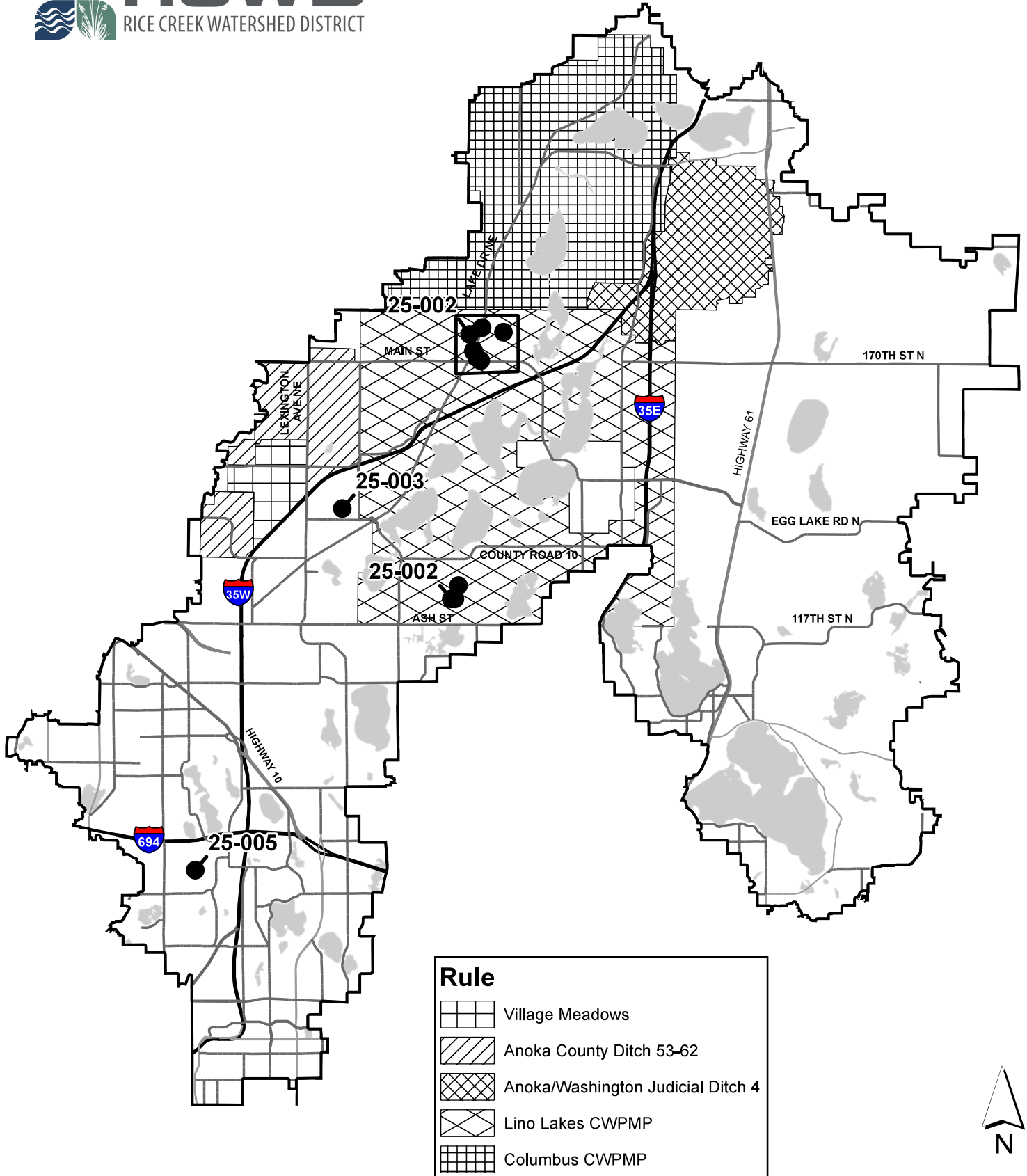
**RICE CREEK WATERSHED DISTRICT
CONSENT AGENDA**






February 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 February 4th, 2025.

TABLE OF CONTENTS

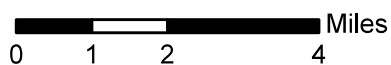
Permit Application Number	Applicant	Page	Recommendation
Permit Location Map		17	
25-002	City of Lino Lakes	18	CAPROC
25-003	Centennial Public Schools (ISD #12)	24	CAPROC
25-005	City of New Brighton	29	CAPROC



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



Permit Reviews
02/12/2025 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:

25-002

Permit Application Name:

2025 Street Recon Project Lino Lakes

Applicant/Landowner:

City of Lino Lakes
Attn: Michael Grochala
600 Town Center Parkway
Lino Lakes, MN 55014-1182
Ph: (651) 982-2427
Fx: (651) 982-2427
mgrochala@linolakes.us

Permit Contact:

City of Lino Lakes
Attn: Diane Hankee
600 Town Center Parkway
Lino Lakes, MN 55014
Ph: 651-982-2430
Fx: 651-982-2499
dhankee@linolakes.us

WSB and Associates, Inc.
Attn: Henry Meeker
701 Xenia Ave S STE 300
Minneapolis, MN 55416
Ph: 612-258-8157
hmeeker@wsbeng.com

Project Name: 2025 Street Recon Project Lino Lakes

Purpose: S&UC – Street & Utility Plan, WA – Wetland Alteration, FA – Floodplain Alteration; Roadway mill and overlay and reconstruction, work includes drainage improvements and new watermain and sanitary sewer

Site Size: 4 project areas totaling 11.24± acres / 11.24 ± acres of disturbed area; existing and proposed impervious areas are 8.15 ± acres and 8.13± acres, respectively

Location: Evergreen Trail, Diane St, 81st St, Danube St, Lake Drive, Elbe St, Lake Drive (NB) from parking lot apron north to 81st St, Red Maple Ln, 62nd St east of W Shadow Lake Dr, Lino Lakes

T-R-S: Multiple

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 C.6(e), TSS must be removed to the maximum extent practicable. Where storm sewer is being replaced, (Evergreen Trail, Elbe Street, Diane Street, Danube Street and Maple Lane), applicant must either add sump catch basins, or document why it would not be practicable.

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 (riprap) at the end of all storm sewer discharges. Ensure that the rip rap at the end of the sedimentation pond outlet does not encroach into the wetland.
 - (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).

Rule F – Wetland Alteration

3. Applicant must provide shape file of wetland boundaries; a condition of approval of the type and boundary delineation.

Administrative

4. Submit the permit application with the signature of the successful bidder to the District.
5. 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.
6. A public permittee may meet the perpetual stormwater maintenance obligation by executing a programmatic or project-specific maintenance agreement with the District. A draft document should be submitted to the District for consideration prior to execution. (The agreement process requires submittal of the final original signed agreement to the District. If the applicant needs an original of the signed agreement, then two endorsed final agreements should be submitted.)

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

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

Exhibits:

1. Revised sheet 59, printed 1-21-2025, received 1-23-2025
2. Plan set containing 85 sheets, printed 12-17-2024 and received 1-3-2025
3. Permit application, dated 1-2-2025 and received 1-3-2025
4. Permit narrative, dated and received 1-23-2025
5. Revised Permit narrative, dated 1-2-2025, received 1-3-2025
6. Red Maple Lane area drainage map, no date, received 1-9-2025
7. Joint application form, signed 01-22-2025 and received 01-23-2025
8. Wetland site plan figure, no date, received 1-3-2025

9. Review file 23-213R, 23-233R, 23-235R

Findings:

1. Description – This public linear project in Lino Lakes involves reconstruction of Red Maple Ln and 62nd St; and Danube St, Elbe St, and 81st St. The project also includes mill and overlay of Diane St and Evergreen Trail. The project will reconstruct 4.13± acres, mill and overlay an additional 3.46± acres, but will not increase impervious area. The project will disturb 11.24± acres overall. The 4 project areas are located in the Marshan, Rondeau, George Watch and Wards Resources of Concern. Water reaches Marshan via ACD10-22-32 Branch 2, Rondeau via private ditches, George watch via a private drainage ditch, and Wards, via ACD 25 Main Trunk. Drainage patterns will remain unchanged. The applicant is a public entity and therefore is not charged an application fee.
2. Stormwater – The applicant is proposing the BMP as described below for the project:

Proposed BMP Description	Location	NURP requirement	Volume provided	EOF
Sedimentation basin	East of 62 nd Street	TSS removal only*	NA	894.5

*Infeasible to meet NURP requirement due to lack of space.

Based on the limited right-of-way, the only feasible location for a BMP is located east of the end of 62nd Street. Infiltration is not considered feasible due to a high water table. Per Rule C.6(c)(2), the Water Quality requirement is 0.5-inches over the new/reconstructed area (4.13± acres) for a total requirement of 7,496± cubic feet. The applicant is unable to provide water quality treatment due to topography and right-of-way acquisition costs. The applicant must address Condition 1. Otherwise, the applicant has TSS removal treatment to the extent practicable.

The project is not located within the Flood Management Zone. Since the project is not increasing impervious area, nor changing drainage patterns, proposed rates will remain the same as existing rates, in compliance with Rule C.7.

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

3. Wetlands – A portion of the project was delineated for wetlands under review file 23-213R. A boundary decision was issued on 01-04-2024 and remains valid at the time of this application.

The project area is located within the Lino Lakes CWPMP boundary, 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 on 01-23-2025. The project will include 2,276 ft² of temporary wetland impacts associated with the construction of a stormwater pond. The wetland will be utilized as an access point and may include large mats, sheeted plywood, and limited soil fill. The area will be regarded to pre-construction conditions if the elevation changes as part of the construction activities. In addition, the project will include 272 ft² of permanent wetland impact associated with the construction of a berm to direct untreated stormwater to the pond rather than the wetland. The LGU finds that project qualifies for no-loss criteria 8420.0415 Subpart H and exemption criteria 8420.0420 Subpart 9 (non-shoreland, 50-80% county). A notice of decision was issued on 02-12-2025

4. Floodplain – The regulatory floodplain at the outfall of the sedimentation basin is 892.8 (NAVD 88). The installation of the pipe and rip-rap will not result in more than 100 CY of rip rap. The project complies with Rule E.

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 65-68. 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. None of the project areas flow to a nutrient impaired water (within 1 mile).
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable.
8. Documenting Easements and Maintenance Obligations – Applicant must execute an agreement with the RCWD for the maintenance of the stormwater facilities.
9. Previous Permit Information – Wetland delineation information is located in file 23-213R. Additional pre-application information can be found in files 23-233R and 23-235R.

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.



02/04/2025

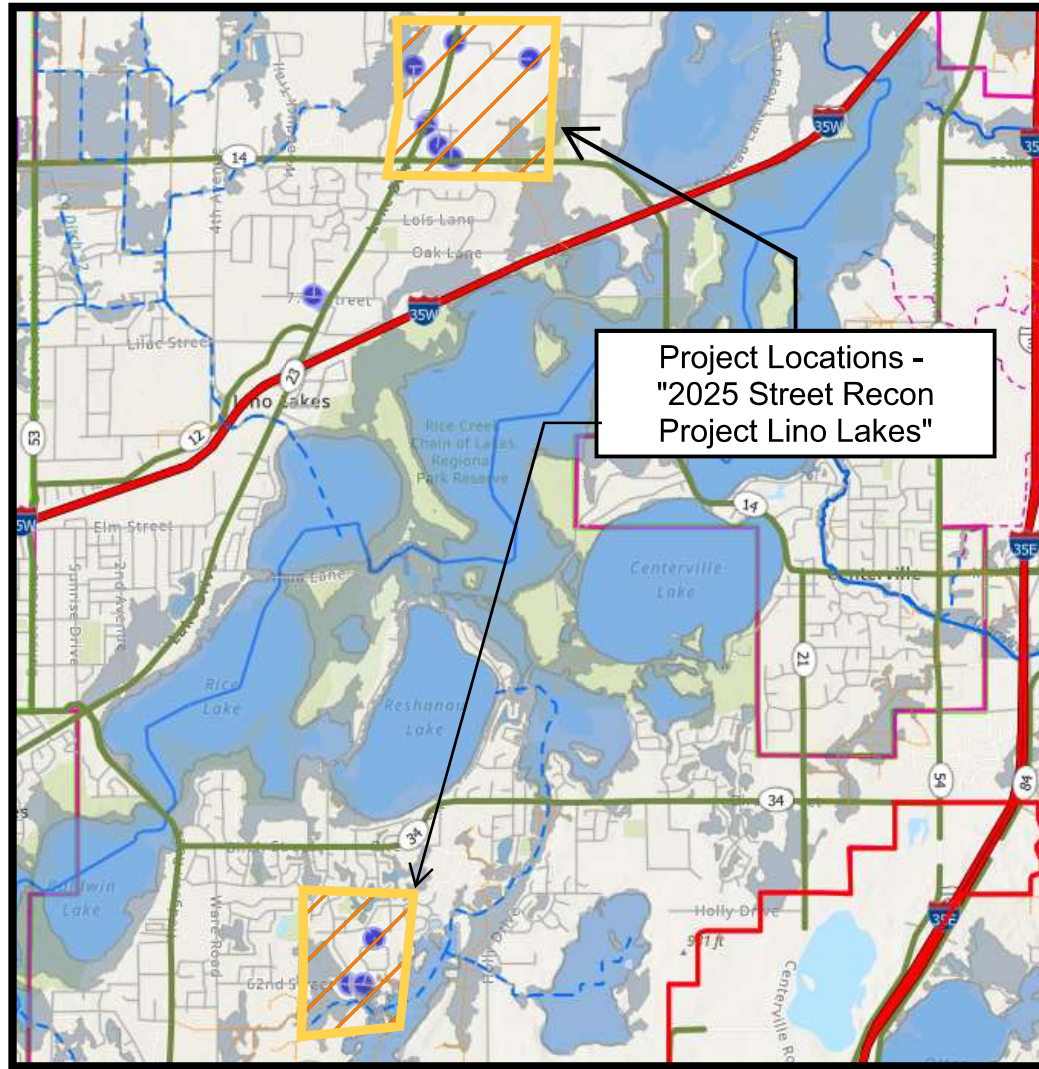
Greg Bowles, MN Reg. No 41929



02/04/2025

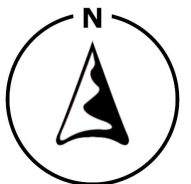
Katherine MacDonald, MN Reg. No 44590

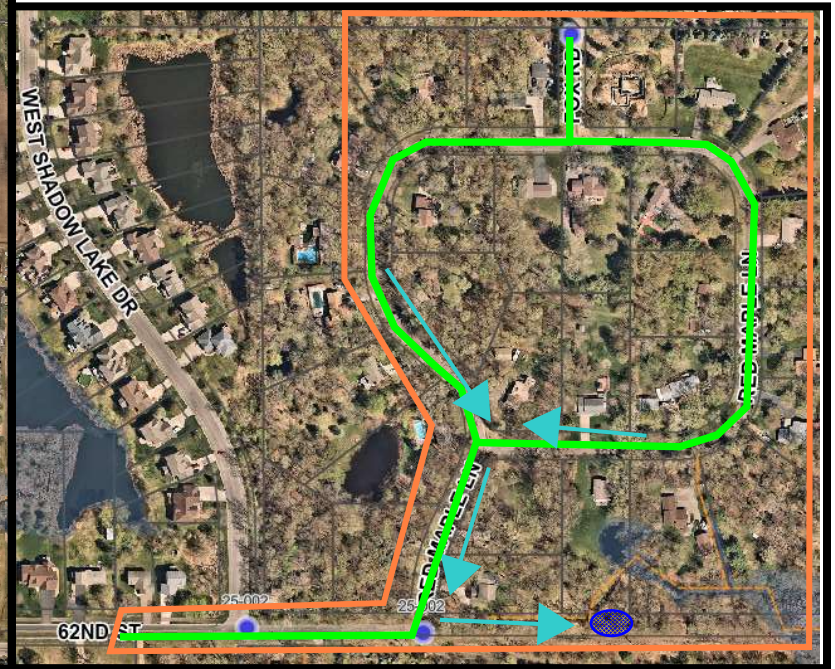
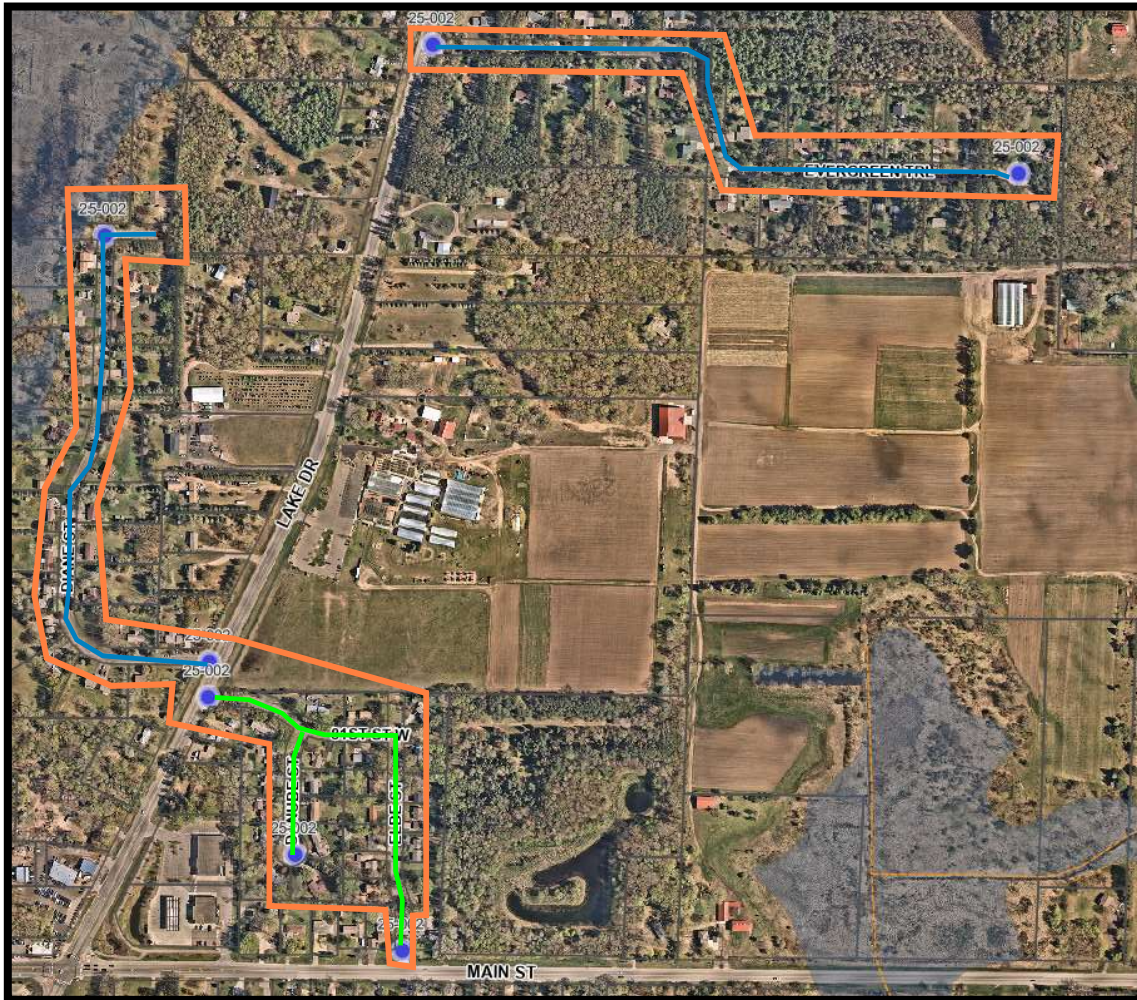
RCWD Permit File #25-002



Legend

- District Boundary
- Project Locations
- ~ Public Waterway
- Public Ditch - Tile
- Private Ditch






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

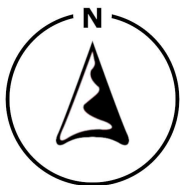
 Project Location

 Street Reconstruction

 Mill and Overlay

 Sedimentation 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: 25-003
Permit Application Name: Centennial High School – Stadium Site Work Improvements

Applicant/Landowner:

Centennial Public Schools (ISD #12)
Attn: Patrick Chaffey
4707 North Road
Circle Pines, MN 55014
Ph: 763-489-8997
pchaffey@isd12.org

Permit Contact:

Larson Engineering Inc.
Attn: Justin Nielsen
3524 Labore Road
White Bear Lake, MN 55110
Ph: 651-481-9120
Fx: 651-481-9201
jnielson@larsonengr.com

Project Name: Centennial High School – Stadium Site Work Improvements

Purpose: FSD – Final Site Drainage; The project will consist of replacement of the artificial turf, rehabilitation of the athletic track, and other miscellaneous site improvements.

Site Size: 70.38± acre parcel/ 2.64 ± acres of disturbed area; existing and proposed impervious surface within the project area are 1.79 ± acres and 1.82 ± acres, respectively

Location: 4807 North Road NE, Blaine, MN

T-R-S: SE ¼, Section 24, 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 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).

Administrative

2. Submit the permit application with the signature of the successful bidder to the District.
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.
 - Show the exact location of the rock construction entrance

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. None.

Exhibits:

1. Plan set containing 7 sheets dated 01-03-2025 and received 01-03-2025
2. Permit application, dated 01-03-2025 and received 01-01-2025
3. Stormwater Report, dated 01-03-2025 and received 01-03-2025, containing narrative and drainage maps
4. Geotechnical Report dated 11-27-2024 and received 01-03-2025

Findings:

1. **Description** – The project proposes to replace artificial turf and rehabilitate an athletic track along with other miscellaneous site improvements on a 70.38± acre parcel located in Blaine. The project will increase the impervious surface within the project area from 1.79± acres to 1.82± acres and disturb 2.46± acres overall. A majority of the site will drain east to an existing subsurface infiltration BMP constructed under permit 16-033, and remaining areas will drain north. Runoff from the site ultimately runs to Rice Lake, the resource of concern (ROC). The applicant is a public entity and therefore is not charged an application fee.
2. **Stormwater** – The applicant is proposing to use the BMP as described below for the project:

BMP Description	Location	Pretreatment	Previous capacity used*	Volume provided	EOF
Existing subsurface infiltration BMP #1	Parking lot east of stadium	Isolator Row	18,841 cf	45,797± cubic feet below the outlet	904.7 ft

*Permits 16-033, 19-037

Soils on site are primarily HSG B consisting of silty sands (SM), and poorly graded sand with silt (SP-SM). Thus, infiltration is considered feasible. Per Rule C.6(c)(1), the Water Quality requirement is 1.1-inches over the new/reconstructed area (0.61± acres) for a total requirement of 2,417± cubic feet.

The applicant proposes to use an existing subsurface infiltration BMP that was constructed under permit 16-033. The BMP meets the design criteria of C.9(a), which have not changed.

The project is not located within the Flood Management Zone. The applicant has not submitted any hydrologic modeling. The District Engineer finds that the proposed 1,482 SF foot increase in impervious area to be within tolerance of the model. Thus, there is no change in flow, demonstrating compliance with Rule C.7.

The project is in compliance with freeboard requirements of Rule C.9(g).

3. **Wetlands** – There are no wetlands 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 entrance, and inlet protection. The project will disturb more than 1 acre; an NPDES permit is required. The SWPPP is located on plan sheet C000. The applicant must show the location of the rock construction entrance. 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 Lake 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 – There are no easement obligations for the project. An acceptable maintenance agreement was received under permit 16-033.
9. Previous Permit Information – Permits 91-027 (Junior High building addition, new ice center, and performing arts center), 01-035 (parking lot), 01-110 (high school building addition), 12-035 (synthetic turf athletic field), 16-033 (Centennial High School Pavement and Athletic Facility Improvements), and 19-037 (Centennial Public Schools (I.S.D #12) – Site Improvements) are previous permits located on this site.

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

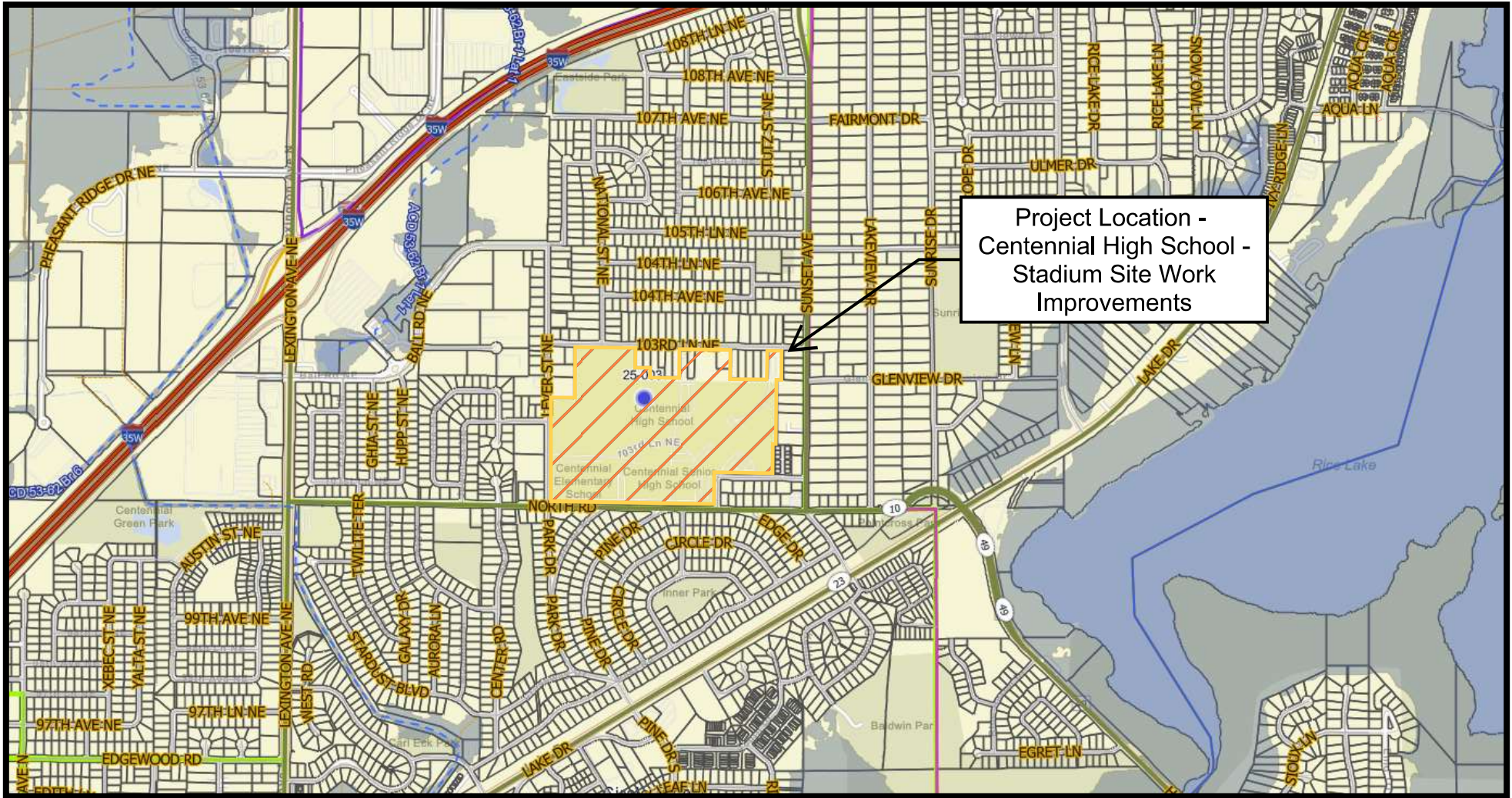
Belle Reeve 02/04/2025

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.

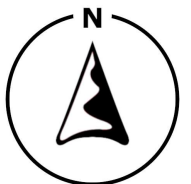
K. MacDonald 02/04/2025

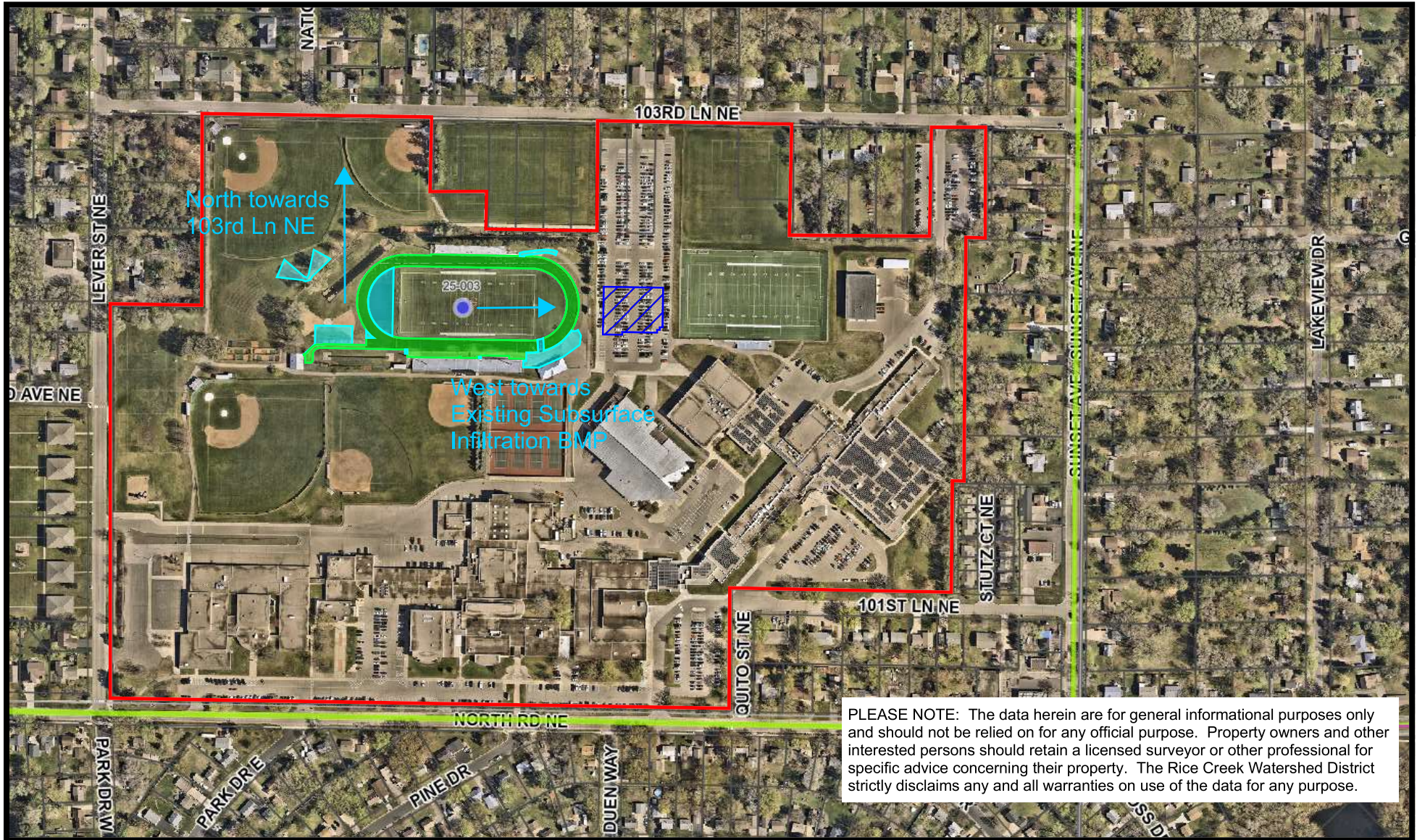
Katherine MacDonald, MN Reg. No 44590



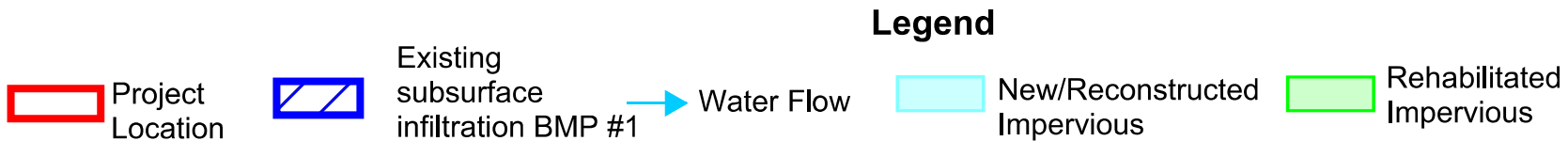
Legend

- Public Ditch - Open Channel
- Project Location
- ~ Public Waterway
- ACD 53-62 CWPMP





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.





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:

25-005

Permit Application Name:

Hansen Park West Improvement Project

Applicant/Landowner:

City of New Brighton
Attn: Jennifer Fink
803 Old Highway 8 NW
New Brighton, MN 55112
Ph: 651-638-2126
jennifer.fink@newbrightonmn.gov

Permit Contact:

WSB and Associates, Inc.
Attn: Henry Meeker
701 Xenia Ave S STE 300
Minneapolis, MN 55416
Ph: 612-258-8157
hmeeker@wsbeng.com

WSB and Associates, Inc.
Attn: Candace Amberg
701 Xenia Avenue South STE 300
Golden Valley, MN 55416
Ph: 763-541-4800
camberg@wsbeng.com

Project Name: Hansen Park West Improvement Project

Purpose: FSD – Final Site Drainage, LD – Land Development, S&UC – Street & Utility Plan, PDS – Public/Private Drainage System, , FA – Floodplain Alteration; Improving and adding trails and park amenities. Includes new play areas, a park shelter, and a neighborhood building.

Site Size: 25.89± acre parcel / 3.42 ± acres of disturbed area; existing and proposed impervious surface within the project area are 0.41 ± acres and 0.99 ± acres, respectively

Location: 1555 5th St NW, New Brighton, MN 55112

T-R-S: SW ¼, Section 29, T30N, R23W

District Rule: C, D, E, I

Recommendation: CAPROC

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

Conditions to be Met Before Permit Issuance:

Rule D – Erosion and Sediment Control

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

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

Administrative

2. Submit the permit application with the signature of the successful bidder to the District.

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 pretreatment sump is provided in storm structure 5101.
4. A public permittee may meet the perpetual stormwater maintenance obligation by executing a programmatic or project-specific maintenance agreement with the District. A draft document should be submitted to the District for consideration prior to execution. (The agreement process requires submittal of the final original signed agreement to the District. If the applicant needs an original of the signed agreement, then two endorsed final agreements should be submitted.)

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

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

Exhibits:

1. Revised grading plan, utility plan and profile and utility detail sheets dated 1-23-25 and received 1-24-25.
2. Plan set containing 27 sheets dated 9-9-2024 and received 1-7-2025.
3. Permit application, dated 1-7-2025 and received 1-7-2025.
4. Revised Stormwater Calculations, dated 1-24-2025 and received 1-24-2025, containing narrative, soil borings, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
5. Stormwater Calculations, dated 1-7-2025 and received 1-7-2025, containing narrative, soil borings, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
6. Review file 24-119R & 22-150R.

Findings:

1. **Description** – The project proposes to improve and add park trails and amenities including new play areas, a park shelter and a neighborhood building located in Hansen Park West New Brighton. The project will increase the impervious area from 0.41± acres to 0.99± acres and disturb 3.4± acres overall. The project drains to onsite biofiltration basin to the east and a low spot to the west. Both ultimately drain to Pike Lake, The Resource of Concern. The applicant is a public entity and therefore is not charged an application fee.
2. **Stormwater** – The applicant is proposing the BMPs as described below for the project:

Proposed BMP Description	Location	Pretreatment	Volume provided	EOF
Surface biofiltration basin	Eastern property line	Sump Manhole 5101	4,191± cubic feet below the outlet	881.5
West Low Point	Western property line	Rate Control Only		

Soils on site are primarily HSG A and D consisting of sand (SP) and clayey sands (SC). Thus, infiltration is not considered feasible, and bio-filtration is acceptable to meet the water quality requirement. Per Rule C.6(c)(1), the Water Quality requirement is 1.69-inches over the new/reconstructed area (0.63± acres) for a total requirement of 3,860± cubic feet.

Adequate pre-treatment has been provided. Drawdown is expected within 48-hours using an appropriate rate of 1.0 inches per hour. 18-inches of sand has been provided above the drain tile. The seasonal high water table is estimated at elevation 874.00, which provides adequate separation. The applicant has treated 87% of the required impervious area. Additional TSS removal is not practicable. Otherwise, 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
East Towards RCD 2 Main Trunk	1.8	1.1	5.2	2.5	15.5	8.8
80%	1.4		4.2		12.4	
Totals		1.1		2.5		8.8

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(g).

3. Wetlands –Wetlands were delineated under review file 22-150R with boundary decision, which remains valid, issued on 9/01/2022. The project will not impact any wetlands.
4. Floodplain – The regulatory floodplain on site is at elevation 881.3. The proposed fill volume is 1057 cubic yards, and the proposed cut volume is 1260 cubic yards, resulting in a net increase in floodplain storage. The project is compliant with Rule E.
5. Erosion Control – Proposed erosion control methods include silt fence, sediment control logs, 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 L1.1-L1.3. 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 Pike Lake which is impaired for nutrients.
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – RCD 2 Main Trunk flows across the property. The applicant is not proposing impacts to the public drainage system or the right of way.
8. Documenting Easements and Maintenance Obligations –Applicant must execute an agreement with the RCWD for the maintenance of the stormwater facilities.
9. Previous Permit Information – Wetland delineation can be found under review file 22-150R. Preapplication information can be found under review file 24-119R.

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

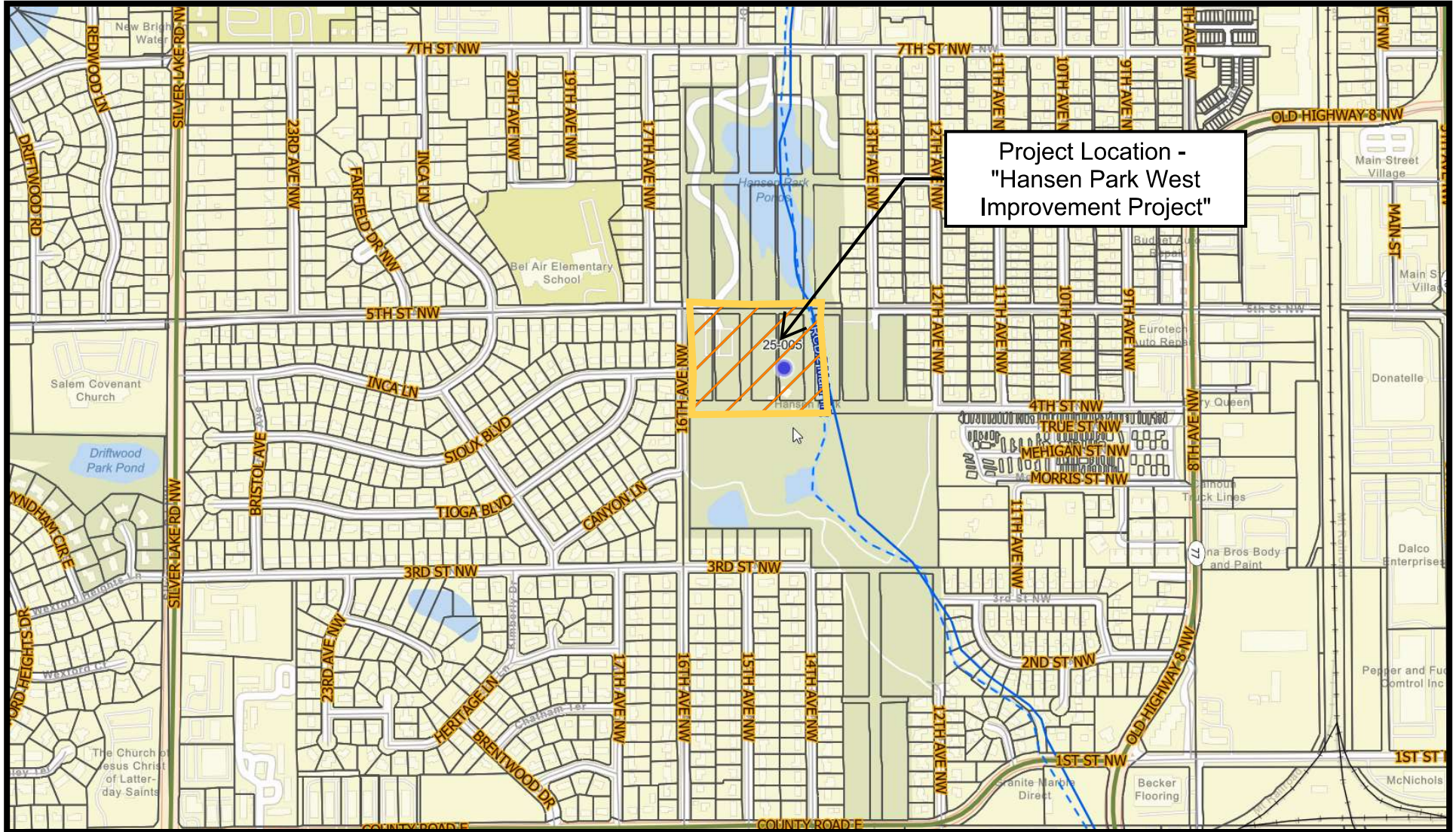
Belle Reeve 02/04/2025

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 02/04/2025

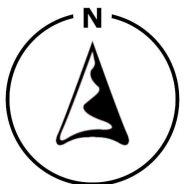
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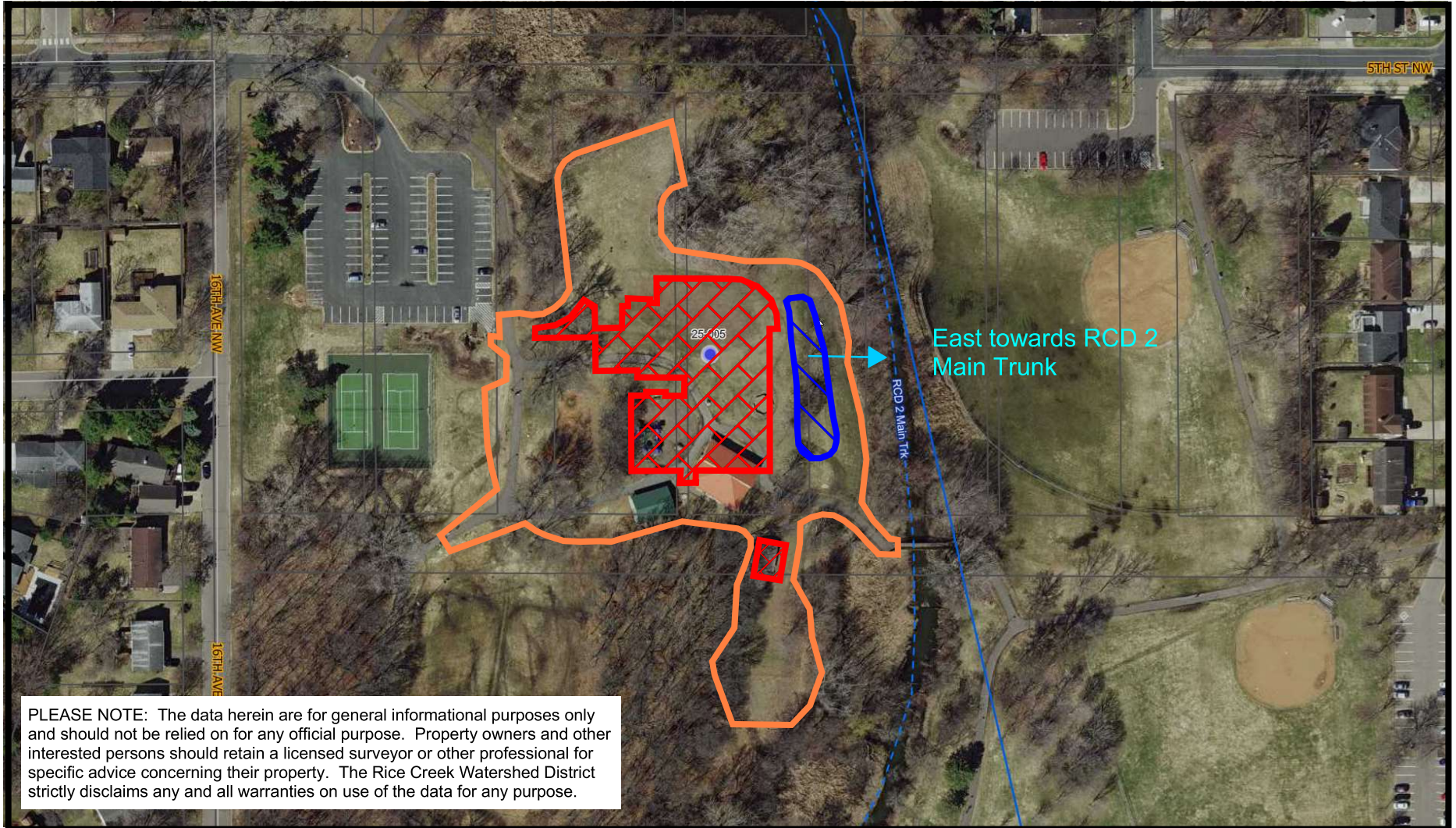


Project Location -
"Hansen Park West
Improvement Project"






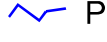
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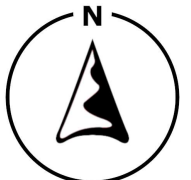
- - - - Public Ditch - Open Channel
- Project Location
- ~ ~ ~ Public Waterway





Legend

-  Project Location
-  Bio-filtration Basin
-  Regulated Impervious Surface
-  Drainage Arrow
-  Public Ditch - Open Channel
-  Public Waterway



**PUBLIC HEARING: STORMWATER MANAGEMENT GRANT REQUESTS
FROM CITIES OF CENTERVILLE, MOUNDS VIEW, NEW
BRIGHTON, AND WHITE BEAR TOWNSHIP**



St. Paul Pioneer Press newspaper January 24 and 31, 2025
White Bear Press Newspaper January 29, 2025
Quad Community Press January 28, 2025
Mailed notice and SMG applications to RCWD counties January 22, 2025
Mailed notice to RCWD cities January 22, 2025
District website & posted notice at office January 21, 2025
District email noticing January 21, 2025

**NOTICE OF PUBLIC HEARING on
Stormwater Management Grant Requests from Cities of
Centerville, Mounds View, New Brighton, and White Bear Township**

PLEASE TAKE NOTICE that the Rice Creek Watershed District (District) Board of Managers will hold a public hearing under Minnesota Statutes 103B.251 on the ordering of one or more of the following projects: City of Centerville – Centerville City Hall Stormwater Reuse (\$25,000), City of Mounds View – Silver View Pond Improvement Project (\$100,000), City of New Brighton – CP25-1 2025 Street Rehabilitation (\$28,611), White Bear Township – Bellaire Beach Underground Stormwater Storage (\$237,000), and White Bear Township – Silver Fox Area SAFL Baffles (\$73,250). The District may select all, some, or none of the applications for full or partial funding. The District’s total share of cost for selected projects will not exceed \$300,000 and would be funded by the general tax levy on real property within the watershed. The public hearing will be held during the District’s regular board meeting on Wednesday, February 12th, 2025, at 9:00 a.m. in the Mounds View City Council Chambers, 2401 County Hwy 10, Mounds View, Minnesota and via Zoom. The Zoom meeting instructions are below. If you have any questions, please contact Will Roach at wroach@ricecreek.org or 763-398-3085. The grant requests can be viewed on the District website, <https://www.ricecreek.org/grants/stormwater-management-grants/>, or at the District office: 4325 Pheasant Ridge Drive NE, Suite 611, Blaine, MN 55449.

Join Zoom Meeting

<https://us06web.zoom.us/j/87193790011?pwd=bvFLO0obzK6Ua3ubDxZf7PCtQmAQTr.1>

Meeting ID: 871 9379 0011

Passcode: 004086

+1 312 626 6799 US (Chicago)

Meeting ID: 871 9379 0011

Passcode: 004086

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

**BOARD OF
MANAGERS**

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Anoka County

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MEMORANDUM
Rice Creek Watershed District



Date: February 5th, 2025
To: RCWD Board of Managers
From: Will Roach, Watershed Technician/Inspector
Subject: 2025 Stormwater Management Grant Program Applications – Public Hearing

Introduction

District staff will host a public hearing to receive comments from the public regarding the five eligible Stormwater Management Grant applications.

Background

The District received five applications from four different applicants for funding through its 2025 Stormwater Management Grant Program. These applications are attached to this memo. District staff will provide a summary presentation during a duly noticed public hearing to be held on February 12th, 2025, during the Board’s regular meeting. No action will be taken during the February 12th meeting. After public comment, the Board is invited to ask questions or provide preliminary comment to District staff regarding the applications. Board action on the applications is scheduled for the February 26th, 2025, during the regular meeting.

Attachments

Stormwater Management Grant Applications (5 eligible).

MEMORANDUM
Rice Creek Watershed District



1. City of Centerville – Centerville City Hall Stormwater Reuse

- a. Target Waterbody: Clear Water Creek & Peltier Lake
- b. Estimated Project Cost: \$50,000.00
- c. Requested Grant: \$25,000.00

2. City of Mounds View – Silver View Pond Improvement Project

- a. Target Waterbody: Silver View Pond
- b. Estimated Project Cost: \$475,000.00
- c. Requested Grant: \$100,000.00

3. City of New Brighton – CP25-1 2025 Street Rehabilitation

- a. Target Waterbody: Rice Creek
- b. Estimated Project Cost: \$57,222.00
- c. Requested Grant: \$28,611.00

4. White Bear Township – Bellaire Beach Underground Stormwater Storage

- a. Target Waterbody: White Bear Lake
- b. Estimated Project Cost: \$474,000.00
- c. Requested Grant: \$100,000.00*

5. White Bear Township – Silver Fox Area SAFL Baffles

- a. Target Waterbody: Bald Eagle Lake
- b. Estimated Project Cost: \$146,500.00
- c. Request Grant: \$73,250.00

(* requested grant amount exceeds the \$100,000 maximum cap).



Rice Creek Watershed District Stormwater Management Grant Program 2025 Application Form

I. APPLICANT INFORMATION

Organization (to be named as Grantee): City of Centerville
Street Address: 1880 Main Street
City, State, Zip: Centerville, MN 55038
Tax Status: Exempt Tax ID#: _____
(e.g., local government, non-profit 501(c)(3), private business, etc.)

II. PROJECT CONTACTS

Project Officer: Mark Statz Financial Officer: Bruce DeJong
Title: City Admin/Engineer Title: Finance Director
Telephone: 651-792-7931 Telephone: 651-792-7932
Fax: _____ Fax: _____
Email: mstatz@centervillemn.com Email: bdejong@centervillemn.com

III. PROJECT INFORMATION

Project Name: Centerville City Hall Stormwater Reuse
Location(s) of Project: 1880 Main Street
City: Centerville State: MN County: Anoka
Project Start Date: 6/1/25 Project Completion Date: 9/1/25
Project Type (check only those that directly apply):

- Water Quality Treatment Project Stormwater Reuse Irrigation Project
 Peak Runoff Rate Control Project Runoff Volume Control / Flood Storage Project
 Other: _____

Is a RCWD Rule C permit required for this project? YES NO UNKNOWN

IV. GRANT REQUEST

RCWD Grant Funding Requested: \$ 25,000
Applicant Match Funding Committed: \$ 25,000
State/Other Funding Committed: \$ 0 Source(s): n/a
Total Estimated Project Cost: \$ 50,000

Would you be willing to accept grant funding in an amount less than requested? YES NO

V. SIGNATURE OF APPLICANT

I certify that the information contained within this application is true and accurate.

Mark R. Statz
Signature of Project Officer

12/11/24
Date

VI. Executive Summary / Abstract

Include a brief Executive Summary (100 words or less) that summarizes the main goals and activities of the project and the expected environmental outcomes that will be achieved. Identification of the total amount of funds being requested along with the required match. The summaries will be used in the grant review process and on the RCWD website, for projects that are funded.

Centerville has a long history of stormwater reuse for irrigation, building one of the area's first such projects in 2011. The LaMotte Park Reuse system saves around 6 million gallons a year in potable water. Adding a similar system at city hall reinforces our commitment to environmental stewardship and serves as a real-world demonstration of this practice.

VII. Description (10 points)

The RCWD has established guidelines for prioritizing projects based on location. Water quality improvement projects should be located to benefit a RCWD lake classified as either "Protection" or "Restoration" (see Table 2-4 in the RCWD 2020 Watershed Management Plan), and/or a waterbody with an approved Total Maximum Daily Load (TMDL) study or other recognized diagnostic water quality study. Flood storage and runoff rate control projects should focus on reducing peak flood elevations in known regional flood hazard areas and/or documented local problem areas. Describe the specific watershed management, water quality or quantity need(s) that the project will address and its impact on the target water resource within the District.

Name the target waterbody benefiting from this project: Clearwater Creek/Peltier Lake

List and describe the Best Management Practices (BMPs) to be incorporated into this project
Stormwater Reuse for irrigation.

If applicable, describe how the project impacts or protects RCWD groundwater resources, minimizes impervious surfaces, and/or maximizes infiltration.

Providing a non-potable water source for irrigation at city hall could save between 250,000 and 500,000 gallons of groundwater annually.

Provide drawings, maps and/or schematics which graphically illustrate the location and conceptual design of the project. **(Attach separate sheets.)**

Describe how long-term operation and maintenance of the project will be accomplished and identify the individual(s) responsible for maintenance activities if different than the project officer listed in section 2.

The city's public works department, with help from irrigation contractors will maintain the system much like the LaMotte Park system. Maintenance includes spring start-up, fall blow-out , occasional irrigation system repairs and monitoring of the control system.

VIII. Prioritization (15 points)

How does the project support existing regional planning efforts such as the RCWD Watershed Management Plan, municipal surface water management plans, TMDLs, or other recognized diagnostic studies? Is the project included on the Member Community Project List (Appendix G) within the RCWD Watershed Management Plan? Please provide citations where possible.

Helps address Phosphorus loading to Peltier Lake, which is subject to TMDL limits.

IX. Targeting (15 points)

Describe the critical pollution or flooding sources and risks addressed by this project. Explain why the proposed project is the most cost-effective and feasible means to attain the expected resource benefits. Has a formal analysis been conducted to substantiate this position?

Further treats water (removes P) from stormwater pond on City Hall campus. This pond outlets to Clearwater Creek, which leads to Peltier Lake, which is an impaired water.

X. Measurable Outcomes (20 points)

Provide a detailed estimate and description of the anticipated pollutant reduction, stormwater rate/volume reduction, groundwater withdrawal reduction, and/or other environmental or natural resource benefits associated with the project. Describe the methods and cite the sources (i.e. P8 model, HydroCAD, XP-SWMM, MIDS, MN Stormwater Manual, etc.) used to calculate or estimate the pollutant reductions and/or hydrologic outcomes. **(Mandatory for RCWD to consider your proposal!)**

.2 lbs of P annually - MIDS

XI. Cost-Effectiveness (20 points)

Provide a detailed budget that lists each item for which funding is being requested. You must also list the sources of required local matching contributions. Why is this the most cost-effective approach to solving the problem? Have other alternatives been explored? **(Attach separate sheets if needed.)**

- \$30,000 Standard Irrigation System
- \$20,000 Watermax Pulse

Total \$50,000

XII. Project Readiness (10 points)

Please describe the anticipated timeline for implementing this project. What steps have been taken to ensure that the project can be implemented according to this timeline? Are any permits needed? (If permits are required please cite from what agency and where the project is in that process)

The project is on city-owned property and utilizes city-maintained pond facility. The city has received written permission from the county (owner of the pond) to utilize the pond for irrigation. There are no permits necessary for the project.

XIII. Engagement Opportunities (10 points)

Demonstrate any potential for public engagement, education and demonstration and describe what methods will be used to ensure that the purpose and success of the project are made known to the public. Applicants must incorporate a public engagement component into the project.

With the location of this project (City Hall), there will be significant opportunities for post-installation engagement with the general public, school groups and other civic organizations. Interpretive signage will be installed with the project and periodic social media posts will be sent to update the public on the amount of water saved.



Rice Creek Watershed District

Stormwater Management Grant Program

2025 Application Form

I. APPLICANT INFORMATION

Organization (to be named as Grantee): The City of Mounds View
 Street Address: 2466 Bronson Drive
 City, State, Zip: Saint Paul, MN, 55112
 Tax Status: Local Government Tax ID#: 416008912
(e.g., local government, non-profit 501(c)(3), private business, etc.)

II. PROJECT CONTACT:

Project Officer: Pete Szurek Financial Officer: Don Peterson
 Title: Public Works Superintendent Title: Public Works Director
 Telephone: 763-286-3632 Telephone: 763-286-2062
 Fax: _____ Fax: _____
 Email: pete.szurek@moundsviewmn.org Email: don.peterson@moundsviewmn.org

III. PROJECT INFORMATION

Project Name: Silver View Pond Improvement Project
 Location(s) of Project: 2700 County Road I
 City: Mounds View State: MN County: 55112
 Project Start Date: 4/1/2025 Project Completion Date: 11/28/2025
 Project Type (check only those that directly apply):

- Water Quality Treatment Project
- Stormwater Reuse Irrigation Project
- Peak Runoff Rate Control Project
- Runoff Volume Control / Flood Storage Project
- Other: _____

Is a RCWD Rule C permit required for this project? YES NO UNKNOWN

IV. GRANT REQUEST

RCWD Grant Funding Requested: \$ 100,000
 Applicant Match Funding Committed: \$ 375,000
 State/Other Funding Committed: \$ 0.00 Source(s): NA
 Total Estimated Project Cost: \$ 475,000

Would you be willing to accept grant funding in an amount less than requested? YES NO

V. SIGNATURE OF APPLICANT

I certify that the information contained within this application is true and accurate.



 Signature of Project Officer

12/18/2024

 Date

VI. Executive Summary / Abstract

Include a brief Executive Summary (100 words or less) that summarizes the main goals and activities of the project and the expected environmental outcomes that will be achieved. Identification of the total amount of funds being requested along with the required match. The summaries will be used in the grant review process and on the RCWD website, for projects that are funded.

The Silver View Pond Project in Mounds View improves water quality and stormwater management. It will add a forebay with an iron-enhanced filtration bench, infiltration/biofiltration basins, and pretreatment. These changes are based on the June 2023 Stormwater Pond Assessment. Utilizing 2023 field data, the project restores the pond's functionality, reducing pollutant loads, mitigating flooding, and promoting long-term environmental health. The funding request is \$100,000, with a City match of \$375,000. This initiative supports regional water quality goals, aligns with RCWD priorities, and delivers lasting benefits to the Rice Creek watershed.

VII. Description (10 points)

The RCWD has established guidelines for prioritizing projects based on location. Water quality improvement projects should be located to benefit a RCWD lake classified as either "Protection" or "Restoration" (see Table 2-4 in the RCWD 2020 Watershed Management Plan), and/or a waterbody with an approved Total Maximum Daily Load (TMDL) study or other recognized diagnostic water quality study. Flood storage and runoff rate control projects should focus on reducing peak flood elevations in known regional flood hazard areas and/or documented local problem areas. Describe the specific watershed management, water quality or quantity need(s) that the project will address and its impact on the target water resource within the District.

Name the target waterbody benefiting from this project: Silver View Pond
List and describe the Best Management Practices (BMPs) to be incorporated into this project

The Silver View Pond Improvement Project incorporates many Best Management Practices (BMPs) to improve stormwater management and water quality. These include a forebay with an iron-enhanced filtration bench, four infiltration/biofiltration basins, and two SAFL Baffle (or equivalent) sump structures. Engineers designed the forebay to capture, settle, and filter debris, sediment, and nutrients before they enter Silver View Pond, with iron filings enhancing the phosphorus removal process and improving pollutant removal efficiency. The infiltration/biofiltration basins will store stormwater temporarily. This will reduce runoff and recharge groundwater by allowing the water to infiltrate into the soil. Drain tile will be added to capture excess runoff. It will filter the water through an engineered subgrade. The SAFL Baffle sump structures will be placed to catch and remove larger particles and pollutants from street runoff before it enters the pond. This will further improve water quality. These BMPs will improve the water quality of Silver View Pond and work in tandem with the pond to improve the overall system's capacity to manage sediment and nutrients, improve stormwater management, and contribute to the long-term health of the watershed.

If applicable, describe how the project impacts or protects RCWD groundwater resources, minimizes impervious surfaces, and/or maximizes infiltration.

The Silver View Pond Improvement project provides biofiltration features that capture runoff and filter it before providing the opportunity to infiltrate into the native soils, which in Mounds View are generally sandy with high infiltration capacity. As part of the project, existing areas of turf grass and invasive species within the park will be replaced with native vegetation. These natives are diverse, deep-rooted plantings that will enhance infiltration and promote sustainable ecosystem management, benefiting both surface water and groundwater quality.

Provide drawings, maps and/or schematics which graphically illustrate the location and conceptual design of the project. **(Attach separate sheets.)**

See attached plan set.

Describe how long-term operation and maintenance of the project will be accomplished and identify the individual(s) responsible for maintenance activities if different than the project officer listed in section 2.

The City of Mounds View will integrate the Silver View Pond Improvement project's long-term operation and maintenance into its existing surface water management system. The City's Stormwater Management Fund will support maintenance work. Rates will be reviewed annually to ensure enough funding. Maintenance will follow established policies and schedules outlined in the City's Storm Water Pollution Prevention Plan (SWPPP), including semiannual street sweeping, regular inspections of BMPs, inspections of stormwater ponds every five years, and cleaning and maintenance as needed. A new Stormwater Pond Maintenance Program will be developed to include design volume estimation, sediment tracking, and triggers for sediment removal. The program will ensure ongoing monitoring of the pond's function and effectiveness. City staff will be responsible for the maintenance activities, with the support of contracted services for specialized tasks such as sediment removal and pond dredging. Employee training will continue to ensure proper operation, maintenance, and inspection of the system, as part of the City's broader stormwater management efforts.

VIII. Prioritization (15 points)

How does the project support existing regional planning efforts such as the RCWD Watershed Management Plan, municipal surface water management plans, TMDLs, or other recognized diagnostic studies? Is the project included on the Member Community Project List (Appendix G) within the RCWD Watershed Management Plan? Please provide citations where possible.

The Silver View Pond Improvement project supports several regional planning efforts, including the RCWD Watershed Management Plan and the City of Mounds View's Local Surface Water Management Plan (LSWMP). It aligns with the broader goal of improving water quality and mitigating pollution to comply with Total Maximum Daily Load (TMDL) regulations. Specifically, the project contributes to addressing water quality issues related to impaired waters in the region such as Rice Creek and Long Lake, which are listed on the MPCA's 303(d) list of impaired waters. By improving stormwater filtration and reducing nutrient loading through the installation of a forebay and infiltration basins, the project helps reduce the impact of pollutants, such as phosphorus and sediment, which contribute to impairments in these waterbodies.

While not explicitly listed in Appendix G of the RCWD Watershed Management Plan, the Silver View Pond project aligns with the objectives outlined in both the RCWD Watershed Management Plan and the City's LSWMP to restore water quality and address TMDL requirements for local and regional water bodies. It addresses three of the issues cited in the updated 2020 WMP Tables ES-1:

- *Water Quality Management, Protecting and/or improving the water quality of District streams, rivers, lakes, and other watercourses:* The proposed BMPs address the issues of *Accelerated Sedimentation* and *Nutrient Enrichment*. Wetland restoration around the pond addresses the issue of *Wetlands*.
- *Collaborations, Developing and maintaining positive collaborative relationships and agreements with other agencies and partners:* Providing funding assistance for the proposed water quality improvements would address the issue of *Collaborations with Local Partners*.
- *Communication, Outreach, and Education; Implementation of effective outreach efforts, with outreach efforts tailored to four main audiences, including the general public:* Silver View Park is one of the most visited sites in the City by the general public, and the City's plans to provide educational signage concerning water quality improvements would address the issue of *Communication Opportunities and Strategies*.

The proposed BMPs are also consistent with updated 2020 WMP Table 2-3, which classifies Long Lake (North) as a Restoration lake. The stormwater system from Silver View discharges to Rice Creek shortly upstream of Long Lake (North).

The proposed project is consistent with the City's LSWMP, specifically Goals 7.2.3 Runoff Volume, 7.2.4 Nutrient and Sediment Loading, 7.2.5 Erosion and Sediment Control, 7.3 Resource Management (specifically wetlands, groundwater, and natural areas), and 7.4.3 Public Education. It also addresses Section 8.2.1 Stormwater Pond Maintenance Program, as the program referenced in the LSWMP has not been completed, and Silver View Pond is one of the initial ponds recommended for maintenance and restoration.

Additionally, the project supports the City of Mounds View's efforts to comply with TMDLs, including the Upper Mississippi River Bacteria TMDL and the South Metro TSS TMDL, which focus on reducing Total Suspended Solids (TSS) loading. The improvements in stormwater management at Silver View Pond, including sediment removal and the addition of forebay improvements and infiltration basins, will help meet these regulatory requirements while supporting the health of the watershed.

IX. Targeting (15 points)

Describe the critical pollution or flooding sources and risks addressed by this project. Explain why the proposed project is the most cost-effective and feasible means to attain the expected resource benefits. Has a formal analysis been conducted to substantiate this position?

The Silver View Pond Improvement project addresses critical pollution and flooding risks in Mounds View. Sediments and nutrients have built up over time in the pond. This has reduced its ability to manage stormwater effectively. Pollutants now flow into downstream water bodies, such as Rice Creek and Long Lake, which are already impaired. Sediment buildup is reducing the pond's capacity. This raises the risk of flooding during heavy rain events. The project proposes to use proven BMPs. These include forebay improvements and infiltration basins that effectively capture sediments and improve stormwater filtration. These measures cut pollutant loads, boost infiltration, and help meet TMDL rules for impaired downstream waters.

This solution is the most cost effective. Silver View Pond is an existing regional basin and it collects runoff from a large, developed area. Existing municipal stormwater infrastructure conveys runoff to this location. It minimizes the need for new facilities or street restoration. It uses efficient, recognized BMPs that fit into local and regional water management plans.

Biofiltration BMPs on the south side of the pond will treat runoff from CR H2 that discharges to Silver View Pond. Biofiltration BMPs on the pond's east side will treat runoff from the H2 Flats apartments and parking lot. It currently discharges untreated to Silver View Pond. The forebay improvements will upgrade an undersized forebay. We will add an iron-enhanced filtration bench to treat runoff from Silver Lake Road, CSAH 10, and nearby commercial properties. These currently discharge untreated runoff to Silver View Pond. There is limited space for biofiltration BMPs along the pond's northeast side. So, existing CBs will be retrofitted as sump structures with SAFL Baffles (or equivalent). They will treat runoff from Lake Court Drive and the nearby residential area.

The project's benefits are supported by formal analysis, including field data collection and findings from the June 2023 Mounds View Stormwater Pond Assessment. These studies confirm that the proposed interventions at Silver View Pond represent the most practical and economical means to achieve the desired water quality improvements and mitigate flooding risks. P8 modeling of the proposed improvements was performed that indicated a proposed reduction of 8,600 lb/year of TSS and 18 lb/year of TP resulting from the proposed improvements.

X. Measurable Outcomes (20 points)

Provide a detailed estimate and description of the anticipated pollutant reduction, stormwater rate/volume reduction, groundwater withdrawal reduction, and/or other environmental or natural resource benefits associated with the project. Describe the methods and cite the sources (i.e. P8 model, HydroCAD, XP-SWMM, MIDS, MN Stormwater Manual, etc.) used to calculate or estimate the pollutant reductions and/or hydrologic outcomes. **(Mandatory for RCWD to consider your proposal!)**

The Silver View Pond Improvement Project is expected to yield significant environmental benefits, including pollution reduction, stormwater volume management, and improved groundwater recharge. Based on field surveys and sedimentation analysis conducted by Stantec in 2023, Silver View Pond currently exhibits a sediment accumulation rate of approximately 0.9% per year, with 34.7% of its storage capacity already filled with sediment. This accumulation contributes to high phosphorus and total suspended soil (TSS) levels in the watershed. By implementing forebay improvements and infiltration basins, the project will reduce loading by capturing and settling sediments more effectively, minimizing nutrient flow to downstream impaired waters such as Rice Creek and Long Lake. P8 modeling of the proposed improvements was performed that indicated a proposed reduction of 8,600 lb/year of TSS and 18 lb/year of TP resulting from the proposed improvements.

The installation of infiltration basins will also enhance stormwater management by reducing runoff volumes and increasing infiltration rates. This improves groundwater recharge and decreases peak stormwater flows, mitigating localized flood risks. Quantitative modeling using industry standard tools like ArcGIS Pro for sedimentation analysis and Triangulated Irregular Networks (TINs) for bathymetry informed the project's design, ensuring precise targeting of sediment and nutrient reductions. Additional modeling through the Minnesota Stormwater Manual guidelines has been recommended for adaptive management and long-term monitoring.

The reduction in impervious surface area through regrading and the restoration of native vegetation will further promote natural infiltration, enhancing groundwater recharge. The combined measures will provide long-term improvements in water quality, compliance with TMDL requirements, and overall watershed health.

This integrated approach leverages detailed assessments, regulatory frameworks, and community engagement to ensure the project's cost-effectiveness and environmental sustainability.

XI. Cost-Effectiveness (20 points)

Provide a detailed budget that lists each item for which funding is being requested. You must also list the sources of required local matching contributions. Why is this the most cost-effective approach to solving the problem? Have other alternatives been explored? **(Attach separate sheets if needed.)**

Item:	Cost:
Biofiltration Basins EW 04.10 and EW04.11	\$179,000
SAFL Baffles	\$52,000
Forebay with Filtration Bench	\$86,000
Biofiltration Basins EW 04.P1 and EW 04.P, along CR H2	\$31,000
Design, Admin, Public Engagement	\$127,000
Total Project Cost	\$475,000

The City’s Stormwater Management Fund will be used to provide the City match of \$375,000 for the project. This is the most cost-effective approach in that Silver View Pond is an existing regional basin that is a collection point for a large, fully-developed drainage area. Municipal stormwater infrastructure already exists to convey runoff to this location. In addition, the pond is in a park that is the most visible and visited outdoor amenity in the City, with Silver View Pond as the centerpiece. The proposed improvements will not only provide water quality improvements on a regional basis, but they will also enhance an amenity for the local community and provide an outstanding opportunity for educational signage regarding the City’s surface water management system.

XII. Project Readiness (10 points)

Please describe the anticipated timeline for implementing this project. What steps have been taken to ensure that the project can be implemented according to this timeline? Are any permits needed? (If permits are required please cite from what agency and where the project is in that process)

The project has been designed and bid, and a contractor selected. The construction substantial completion date is 8/29/2025, with final completion by 11/28/2025. A WCA wetland permit is in process; the City is the LGU. An NPDES construction permit will be obtained by the contractor; the SWPPP and erosion control plan have been completed. An erosion control permit from the City, acting as stormwater LGU, will also be obtained.

XIII. Engagement Opportunities (10 points)

Demonstrate any potential for public engagement, education and demonstration and describe what methods will be used to ensure that the purpose and success of the project are made known to the public. Applicants must incorporate a public engagement component into the project.

The Silver View Pond Improvement Project incorporates a comprehensive public engagement and education component to highlight its purpose and successes. Two public information meetings have been held to date, one on site and one at City Hall. Future community meetings and workshops will inform residents about the project's goals, timeline, and benefits while offering practical guidance on stormwater management practices, such as proper lawn care and waste disposal.

Interpretive signage will be installed around the pond to educate visitors about the role of forebays, infiltration basins, and native vegetation in improving water quality and managing stormwater. Digital outreach, including a dedicated project webpage and newsletters, will keep the public informed of the project's progress and outcomes. These efforts will ensure the community understands the project's environmental impact and encourages stewardship of local water resources.

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REFERRED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.

Plot Date: 09/30/2024 - 3:54pm
 Drawing name: \\1\193806465\CAD\Dwg\Plan\193806465_0002.dwg
 xref: 193806465_BORDER

EXISTING TOPOGRAPHIC SYMBOLS

	STORM SEWER APRON		PEDESTAL CATV
	BASKETBALL POST		PEDESTAL COMMUNICATIONS
	BARRICADE PERMANENT		POST INDICATOR VALVE
	BENCH		POLE-COMMUNICATIONS
	BOOSTER STATION		POLE-GUY
	BUILDING LOWEST OPENING		POLE-LIGHT
	BURIAL CONTROL MONUMENT		POLE-POWER
	BUSH DECIDUOUS		POLE-UTILITY
	CATCH BASIN BEEHIVE		POLE-UTILITY SERVICE
	CURB BOX		POST
	CATCH BASIN		PROPANE TANK
	COLUMN		PICNIC TABLE
	CONTROL BOX SIGNAL		SAMPLING WELL
	CLEAN OUT (SEWER)		ROCK
	CULVERT END		RR SIGNAL CONTROL BOX
	DRINKING FOUNTAIN		RR CROSSING GATE
	ENERGY DISSIPATER		RR SIGNAL
	FLAG POLE		REGULATION STATION GAS
	FUEL PUMP		SATELLITE DISH
	GUY WIRE		SEPTIC TANK
	GRILL		SEPTIC VENT
	HANDICAP SPACE		SEPTIC DRAIN FIELD
	HANDHOLE		SIGN
	FIRE HYDRANT		SOIL BORING
	HYDRANT PVMNT MARKER (REFLECTOR)		STAND PIPE GAS
	HYDRANT VALVE		SPIGOT WATER
	INLET (SMALL DIA.)		SPRINKLER HEAD
	LIFT STATION CONTROL PANEL		SPRINKLER VALVE BOX
	LIFT STATION DRY WELL		STUMP
	LIFT STATION WET WELL		SERVICE-GAS POINT ON LINE
	LIGHT YARD		SERVICE-SANITARY SEWER POINT ON LINE
	LOOP DETECTOR		SERVICE-STORM SEWER POINT ON LINE
	MAIL BOX		SERVICE-WATER POINT ON LINE
	MAIL RELAY BOX		TELEPHONE BOOTH
	MANHOLE-AIR RELEASE		TRANSMISSION TOWER ELECTRIC
	MANHOLE-HEAT		TEST PIT LOC
	MANHOLE-GAS		TRANSFORMER POWER
	MANHOLE-POWER		TREE DEAD
	MANHOLE-SANITARY SEWER		TREE-CONIFEROUS
	MANHOLE-STORM SEWER		TREE-DECIDUOUS
	MANHOLE-COMMUNICATIONS		TREE-FRUIT
	MANHOLE-UNKNOWN		TRASH CAN
	MANHOLE-WATER		TRAFFIC SIGNAL
	METER POWER		VALVE GAS
	METER GAS		VALVE
	ORDINARY HIGH WATER MARK		VENT GAS
	OUTLET CONTROL STRUCTURE		WATER REDUCER
	PARKING METER		WETLAND
	PEDESTRIAN PUSH BUTTON		WELL-MONITORING
	PEDESTAL POWER		WELL-WATER

SURVEY SYMBOLS

	AIR CONTROL POINT
	BACKSIGHT CONTROL POINT
	GPS CONTROL POINT
	JUDICIAL LAND MONUMENT
	MONUMENT COMPUTED
	MONUMENT IRON FOUND
	MONUMENT IRON SET
	RESECTED POINT
	ROW MONUMENT
	ROW MARKER POST
	SECTION CORNER
	TRAVERSE CONTROL POINT
	BENCH MARK LOCATION

PROPOSED TOPOGRAPHIC SYMBOLS

	BOLLARD
	SANITARY CLEANOUT
	MANHOLE
	SANITARY OR STORM LIFT STATION
	STORM SEWER BEEHIVE CATCH BASIN
	STORM SEWER CATCH BASIN
	STORM SEWER FLARED END SECTION
	STORM SEWER OUTLET STRUCTURE
	STORM SEWER OVERFLOW STRUCTURE
	CURB BOX
	FIRE HYDRANT
	WATER REDUCER
	VALVE
	RIP RAP
	DRAINAGE FLOW
	PEDESTRIAN RAMP

EXISTING PRIVATE UTILITY LINES

	CABLE TV QUALITY LEVEL D
	CABLE TV QUALITY LEVEL C
	CABLE TV QUALITY LEVEL B
	CABLE TV QUALITY LEVEL A
	FIBER OPTIC QUALITY LEVEL D
	FIBER OPTIC QUALITY LEVEL C
	FIBER OPTIC QUALITY LEVEL B
	FIBER OPTIC QUALITY LEVEL A
	POWER QUALITY LEVEL D
	POWER QUALITY LEVEL C
	POWER QUALITY LEVEL B
	POWER QUALITY LEVEL A
	GAS QUALITY LEVEL D
	GAS QUALITY LEVEL C
	GAS QUALITY LEVEL B
	GAS QUALITY LEVEL A
	COMMUNICATION QUALITY LEVEL D
	COMMUNICATION QUALITY LEVEL C
	COMMUNICATION QUALITY LEVEL B
	COMMUNICATION QUALITY LEVEL A
	OVERHEAD POWER
	OVERHEAD COMMUNICATION
	OVERHEAD UTILITIES

EXISTING TOPOGRAPHIC LINES

	RETAINING WALL
	FENCE - BARBED WIRE
	FENCE - CHAIN LINK
	FENCE - DECORATIVE
	FENCE - STOCKADE
	FENCE - WOOD
	FENCE - ELECTRIC
	GUARD RAIL
	TREE LINE
	WETLAND

SURVEY LINES

	BOUNDARY
	CENTERLINE
	EXISTING EASEMENT LINE
	PROPOSED EASEMENT LINE
	FLOOD PLAIN BOUNDARY
	EXISTING LOT LINE
	PROPOSED LOT LINE
	EXISTING RIGHT-OF-WAY
	PROPOSED RIGHT-OF-WAY
	SETBACK LINE
	SECTION LINE
	QUARTER SECTION LINE
	SIXTEENTH SECTION LINE

EXISTING UTILITY LINES

	FORCE MAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER
	WATER MAIN
	WATER SERVICE

PROPOSED UTILITY LINES

	FORCE MAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER DRAINTILE
	STORM SEWER
	WATER MAIN
	WATER SERVICE
	PIPE CASING

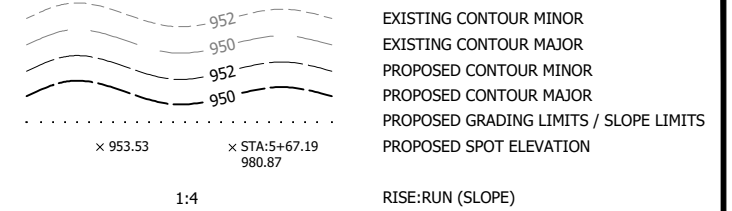
FUTURE UTILITY LINES

	FORCE MAIN
	SANITARY SEWER
	SANITARY SERVICE
	STORM SEWER DRAINTILE
	STORM SEWER
	WATER MAIN
	WATER SERVICE
	PIPE CASING

CONCRETE CURB AND GUTTER

	EXISTING
	PROPOSED
	FUTURE
	DEMOLITION

GRADING INFORMATION



ABBREVIATIONS

AD	ALGEBRAIC DIFFERENCE
BV	BUTTERFLY VALVE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CL	CENTER LINE
CL	CLASS
CMP	CORRUGATED METAL PIPE
C.O.	CHANGE ORDER
DIP	DUCTILE IRON PIPE
EL/ELEV	ELEVATION
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EX	EXISTING
FES	FLARED END SECTION
F/F	FACE TO FACE
FM	FORCE MAIN
F.O.	FIELD ORDER
GV	GATE VALVE
HP	HIGH POINT
HWL	HIGH WATER LEVEL
INV	INVERT
K	CURVE COEFFICIENT
LP	LOW POINT
MH	MANHOLE (SANITARY)
NTS	NOT TO SCALE
NWL	NORMAL WATER LEVEL
PC	POINT OF CURVE
PCC	COMPOUND CURVE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PPVC	PERFORATED POLYVINYL CHLORIDE PIPE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT-OF-WAY
SS	STORM SEWER STRUCTURE
STA	STATION
TCE	TEMPORARY CONSTRUCTION EASEMENT
TNH	TOP NUT HYDRANT
TYP	TYPICAL
VC	VERTICAL CURVE
WM	WATER MAIN

HATCH PATTERNS

	HEAVY DUTY BITUMINOUS		SAND
	BITUMINOUS		BEDROCK
	CONCRETE		GROUND
	GRAVEL		



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 I.C. NO. 4600
 DATE: 9/30/2024
 SIGNATURE: Kelli M. Schlegel
 PRINT NAME: KELLIE SCHLEGEL

CITY OF MOUNDS VIEW, MINNESOTA
 SILVER VIEW POND IMPROVEMENTS
 LEGEND

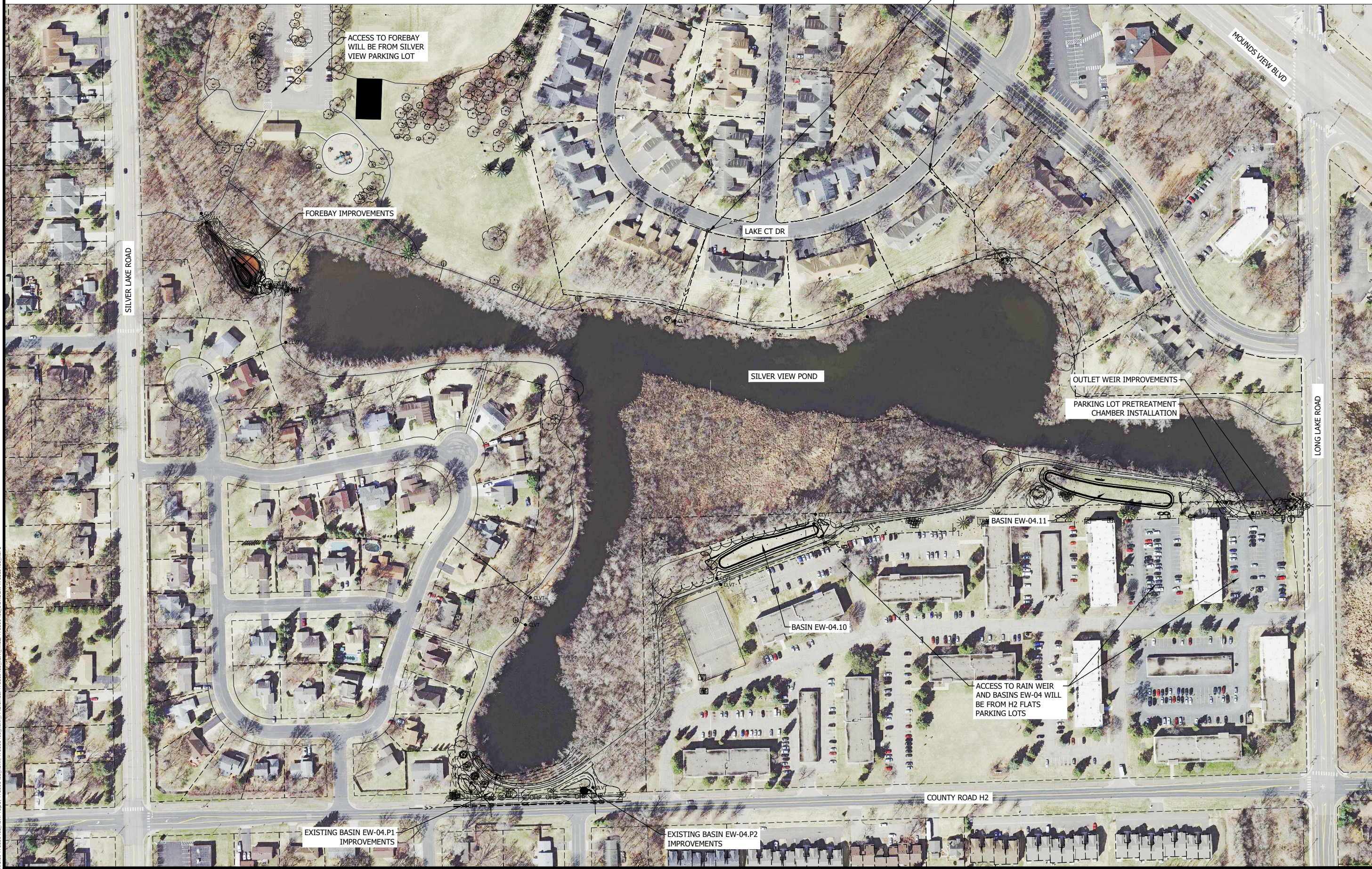
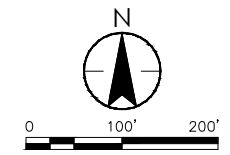
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SHEET NUMBER
G0.02

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Facilities: 193806465.XSXT
Date: 193806465.XSXT
Sheet: 193806465.XSXT

LOCATION PLAN



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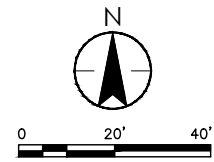
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PRINT NAME: **Kelli M. Schlegel**
SIGNATURE: *Kelli M. Schlegel*
DATE: 9/30/2024 LIC. NO. 4600

CITY OF MOUNDS VIEWS, MINNESOTA SILVER VIEW POND IMPROVEMENTS LOCATION PLAN

NO	REVISION	DATE

SURVEY	
DRAWN	XWM/JDP
DESIGNED	XWM
CHECKED	KAS
APPROVED	
PROJ. NO.	193806465
SHEET NUMBER	C1.01

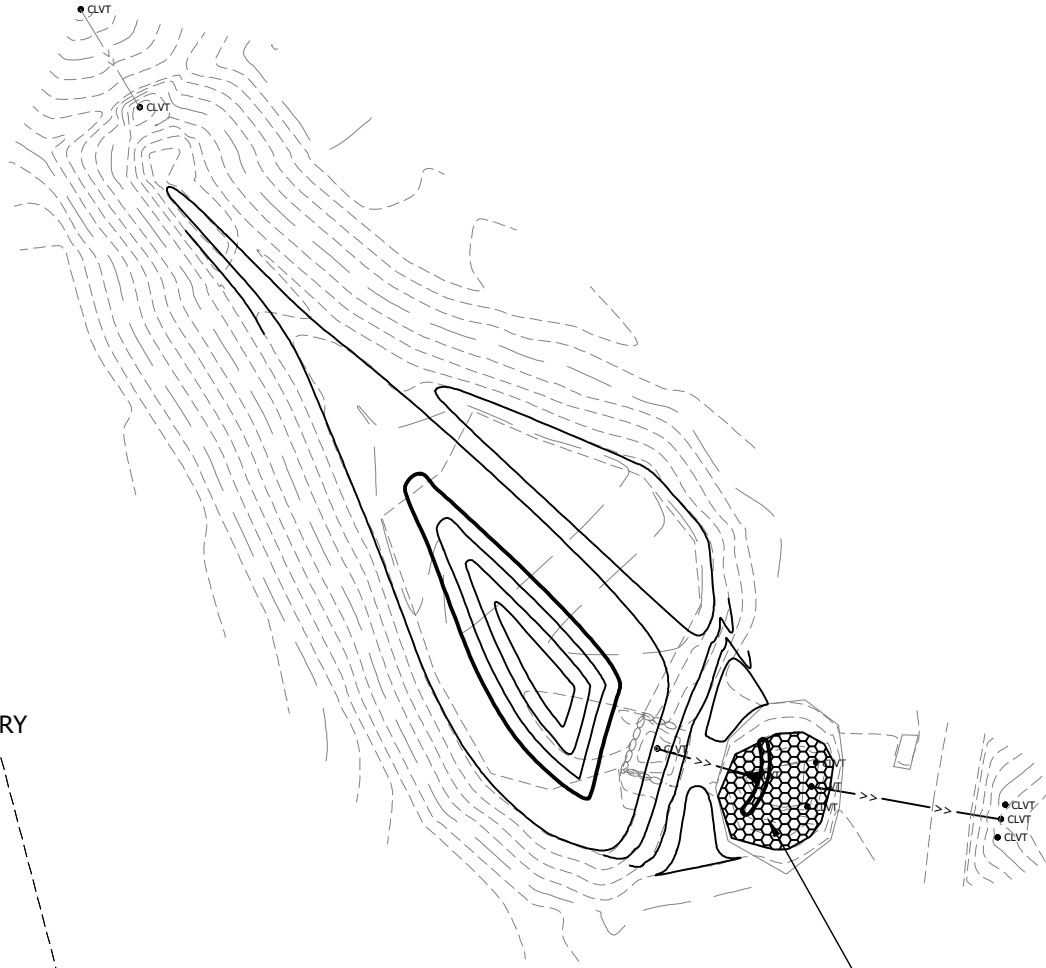
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EROSION CONTROL LEGEND			
MS ——— MACHINE SLICED SILT FENCE	DITCH CHECK - ROCK	EROSION MATS	SOD
HD ——— HEAVY DUTY SILT FENCE	CULVERT / PIPE PROTECTION	TEMPORARY HYDROMULCH NO SEED	TURF REINFORCEMENT MAT (TRM)
WB ——— WIRE BACKED SILT FENCE	TEMPORARY SEDIMENT BASIN W/ PIPE DRAIN	MULCH	OTHER APPROVED BEST MANAGEMENT PRACTICE (BMP)
SD ——— SUPER DUTY SILT FENCE	TEMPORARY SEDIMENT TRAP	HYDROMULCH	CONSTRUCTION ENTRANCE / EXIT
BR ——— BIOROLL	DIVERSION AND PIPE DRAIN		
FLOTATION SILT CURTAIN	SANDBAGS		
XXXXXXX ——— ROCK LOG	CONCENTRATED SURFACE FLOW		
RIP RAP	CONCRETE WASHOUT		
INLET PROTECTION			
DITCH CHECK - BIOLOG			

SILVER LAKE RD

PROPERTY BOUNDARY



LINE EXISTING BOWL WITH CLASS 3 RIPRAP (APPROX. 24 CY)

RESTORATION:

- 1) INSTALL EROSION CONTROL BLANKET ALONG BASIN BOTTOM AND SIDE SLOPES
- 2) SEE LANDSCAPING PLANS FOR FINAL RESTORATION DETAILS

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 SIGNATURE: *Kelli M. Schlegel*
 DATE: 9/30/2024 LIC. NO. 4600

CITY OF MOUNDS VIEW, MINNESOTA
 SILVER VIEW POND IMPROVEMENTS
 TEMPORARY EROSION CONTROL

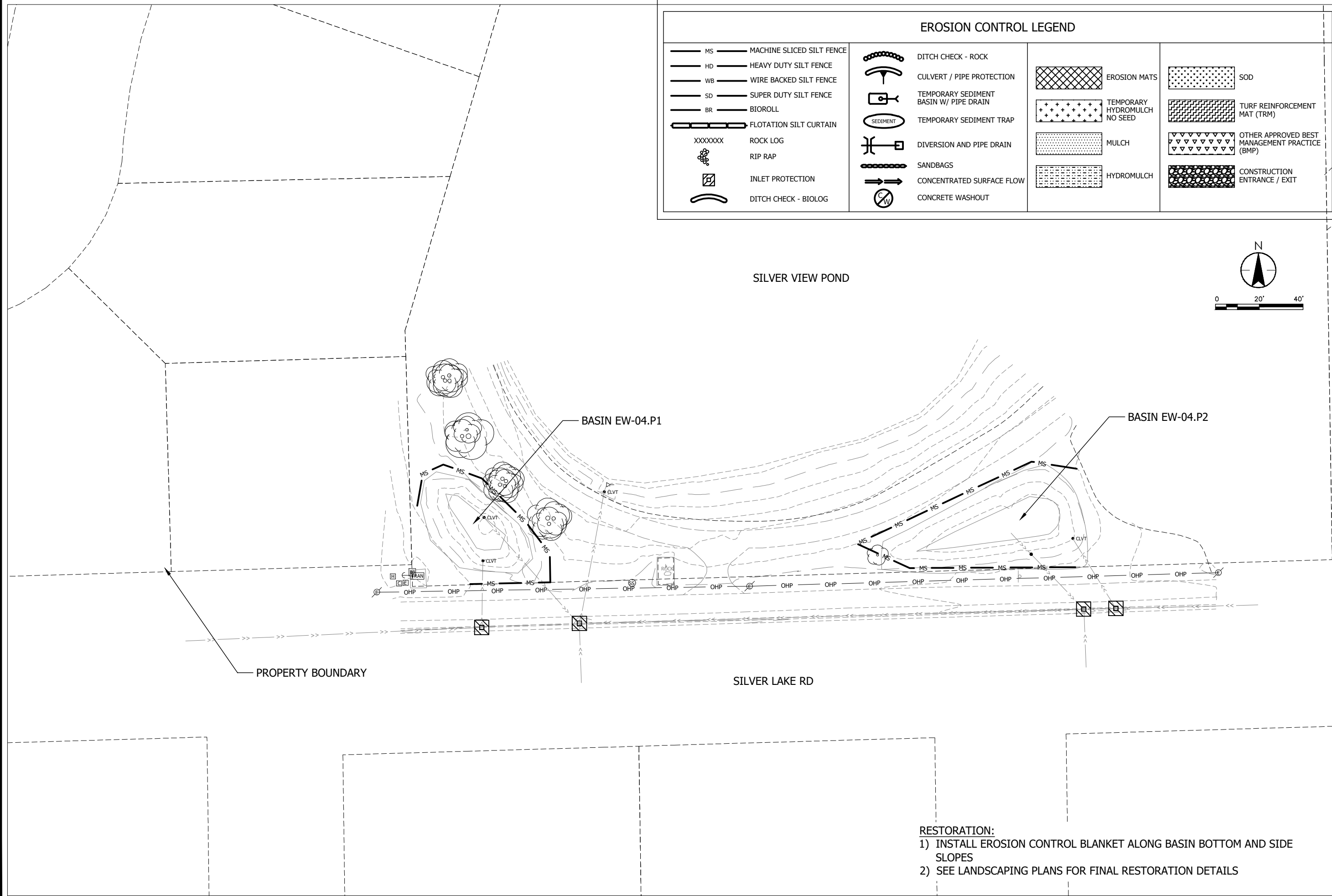
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SURVEY	
DRAWN	XWM/JDP
DESIGNED	XWM
CHECKED	KAS
APPROVED	
PROJ. NO.	193806465
SHEET NUMBER	

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EROSION CONTROL LEGEND			
MS	MACHINE SLICED SILT FENCE		DITCH CHECK - ROCK
HD	HEAVY DUTY SILT FENCE		CULVERT / PIPE PROTECTION
WB	WIRE BACKED SILT FENCE		TEMPORARY SEDIMENT BASIN W/ PIPE DRAIN
SD	SUPER DUTY SILT FENCE		TEMPORARY SEDIMENT TRAP
BR	BIOROLL		DIVERSION AND PIPE DRAIN
	FLOTATION SILT CURTAIN		SANDBAGS
XXXXXX	ROCK LOG		CONCENTRATED SURFACE FLOW
	RIP RAP		CONCRETE WASHOUT
	INLET PROTECTION		EROSION MATS
	DITCH CHECK - BIOLOG		TEMPORARY HYDROMULCH NO SEED
			MULCH
			HYDROMULCH
			SOD
			TURF REINFORCEMENT MAT (TRM)
			OTHER APPROVED BEST MANAGEMENT PRACTICE (BMP)
			CONSTRUCTION ENTRANCE / EXIT



RESTORATION:
 1) INSTALL EROSION CONTROL BLANKET ALONG BASIN BOTTOM AND SIDE SLOPES
 2) SEE LANDSCAPING PLANS FOR FINAL RESTORATION DETAILS

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 SIGNATURE: *Kelli M. Schlegel*
 DATE: 9/30/2024 LIC. NO. 4600

CITY OF MOUNDS VIEW, MINNESOTA
 SILVER VIEW POND IMPROVEMENTS
 TEMPORARY EROSION CONTROL

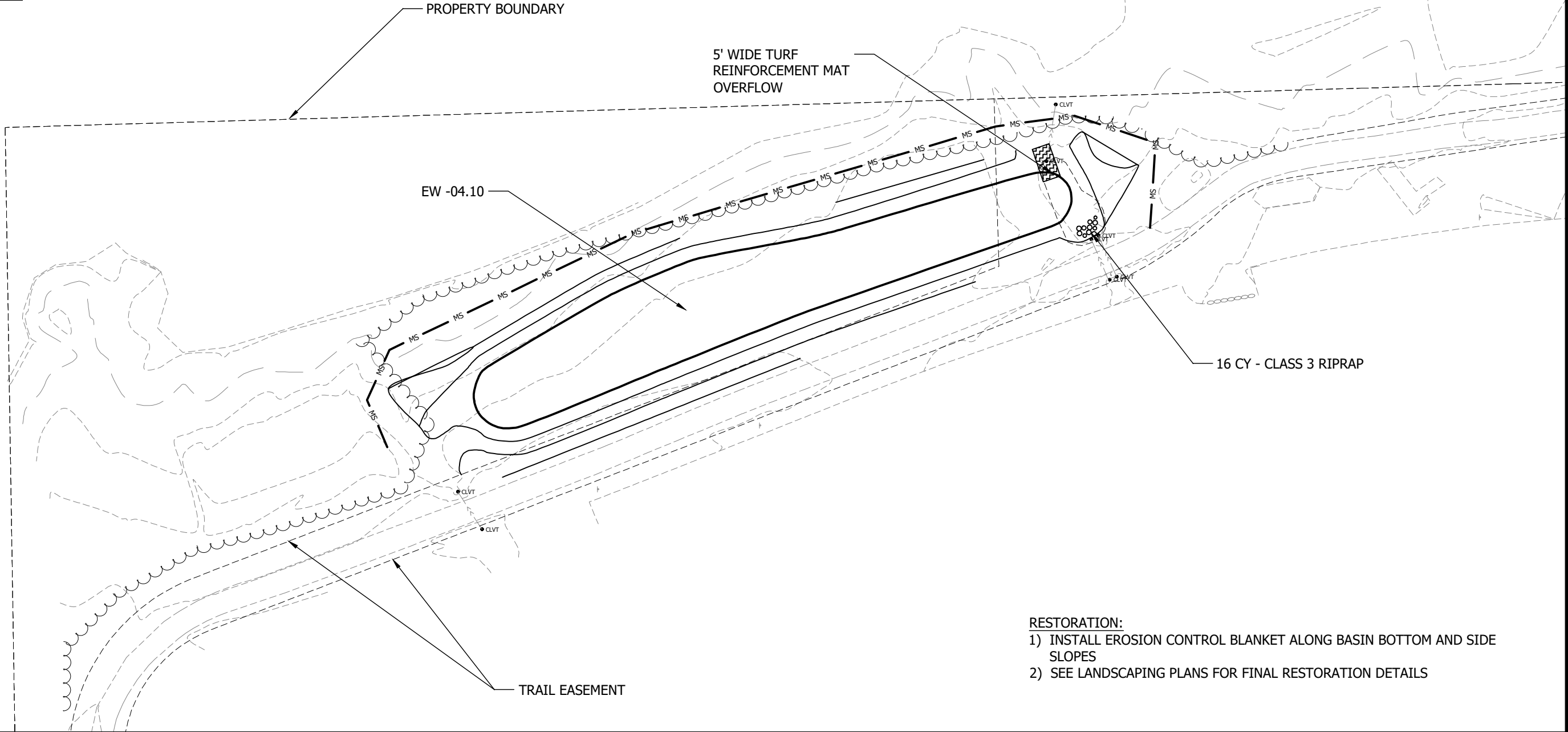
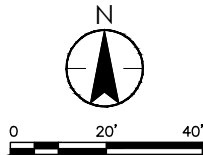
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DESIGNED	XWM
CHECKED	KAS
APPROVED	
PROJ. NO.	193806465
SHEET NUMBER	C2.02

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EROSION CONTROL LEGEND

MS	MACHINE SLICED SILT FENCE		DITCH CHECK - ROCK		EROSION MATS		SOD
HD	HEAVY DUTY SILT FENCE		CULVERT / PIPE PROTECTION		TEMPORARY HYDROMULCH NO SEED		TURF REINFORCEMENT MAT (TRM)
WB	WIRE BACKED SILT FENCE		TEMPORARY SEDIMENT BASIN W/ PIPE DRAIN		MULCH		OTHER APPROVED BEST MANAGEMENT PRACTICE (BMP)
SD	SUPER DUTY SILT FENCE		TEMPORARY SEDIMENT TRAP		HYDROMULCH		CONSTRUCTION ENTRANCE / EXIT
BR	BIOROLL		DIVERSION AND PIPE DRAIN				
	FLOTATION SILT CURTAIN		SANDBAGS				
XXXXXXX	ROCK LOG		CONCENTRATED SURFACE FLOW				
	RIP RAP		CONCRETE WASHOUT				
	INLET PROTECTION						
	DITCH CHECK - BIOLOG						



- RESTORATION:**
- 1) INSTALL EROSION CONTROL BLANKET ALONG BASIN BOTTOM AND SIDE SLOPES
 - 2) SEE LANDSCAPING PLANS FOR FINAL RESTORATION DETAILS

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SIGNATURE: *Kellie M. Schlegel*
LIC. NO.: 4600
DATE: 9/30/2024

CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
TEMPORARY EROSION CONTROL

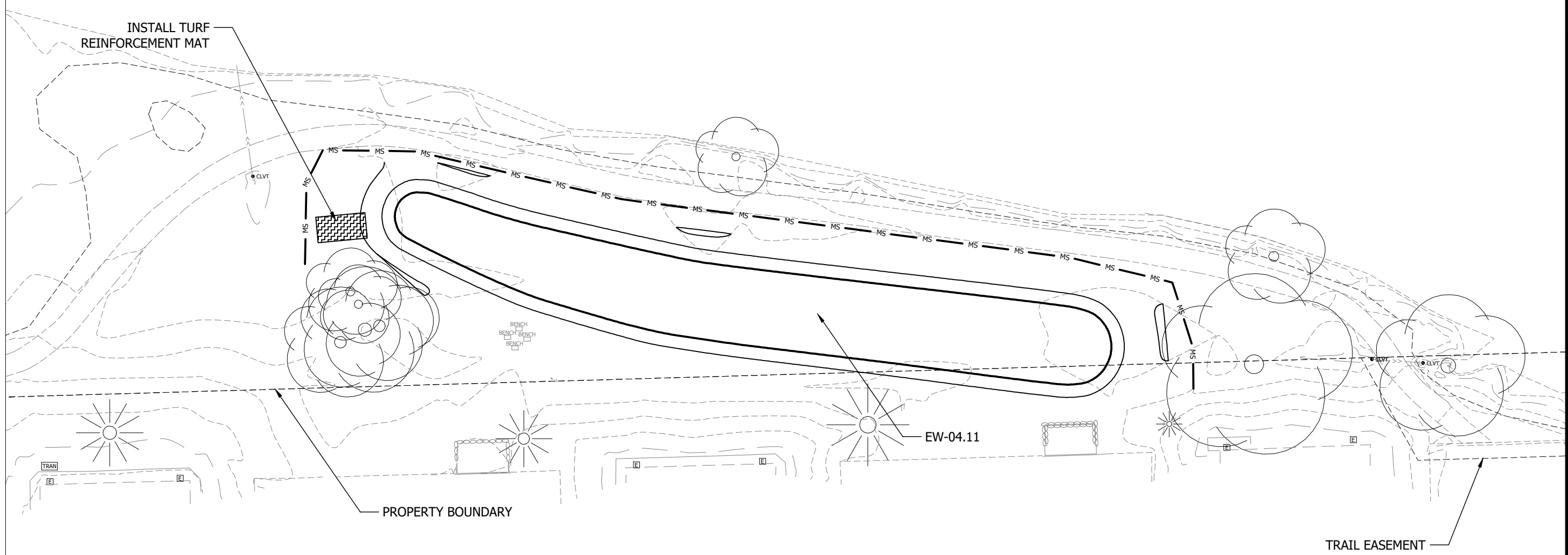
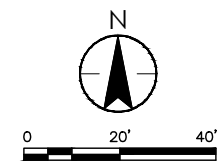
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DESIGNED: XWM
CHECKED: KAS
APPROVED
PROJ. NO.: 193806465

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EROSION CONTROL LEGEND

MS	MACHINE SLICED SILT FENCE		DITCH CHECK - ROCK		EROSION MATS		SOD
HD	HEAVY DUTY SILT FENCE		CULVERT / PIPE PROTECTION		TEMPORARY HYDROMULCH NO SEED		TURF REINFORCEMENT MAT (TRM)
WB	WIRE BACKED SILT FENCE		TEMPORARY SEDIMENT BASIN W/ PIPE DRAIN		MULCH		OTHER APPROVED BEST MANAGEMENT PRACTICE (BMP)
SD	SUPER DUTY SILT FENCE		TEMPORARY SEDIMENT TRAP		HYDROMULCH		CONSTRUCTION ENTRANCE / EXIT
BR	BIOROLL		DIVERSION AND PIPE DRAIN				
	FLOTATION SILT CURTAIN		SANDBAGS				
XXXXXXX	ROCK LOG		CONCENTRATED SURFACE FLOW				
	RIP RAP		CONCRETE WASHOUT				
	INLET PROTECTION						
	DITCH CHECK - BIOLOG						



- RESTORATION:**
- 1) INSTALL EROSION CONTROL BLANKET ALONG BASIN BOTTOM AND SIDE SLOPES
 - 2) SEE LANDSCAPING PLANS FOR FINAL RESTORATION DETAILS

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 SIGNATURE:
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CITY OF MOUNDS VIEWS, MINNESOTA

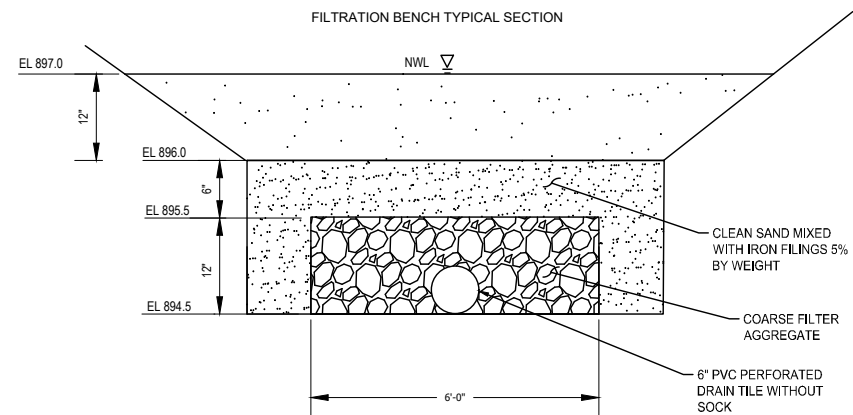
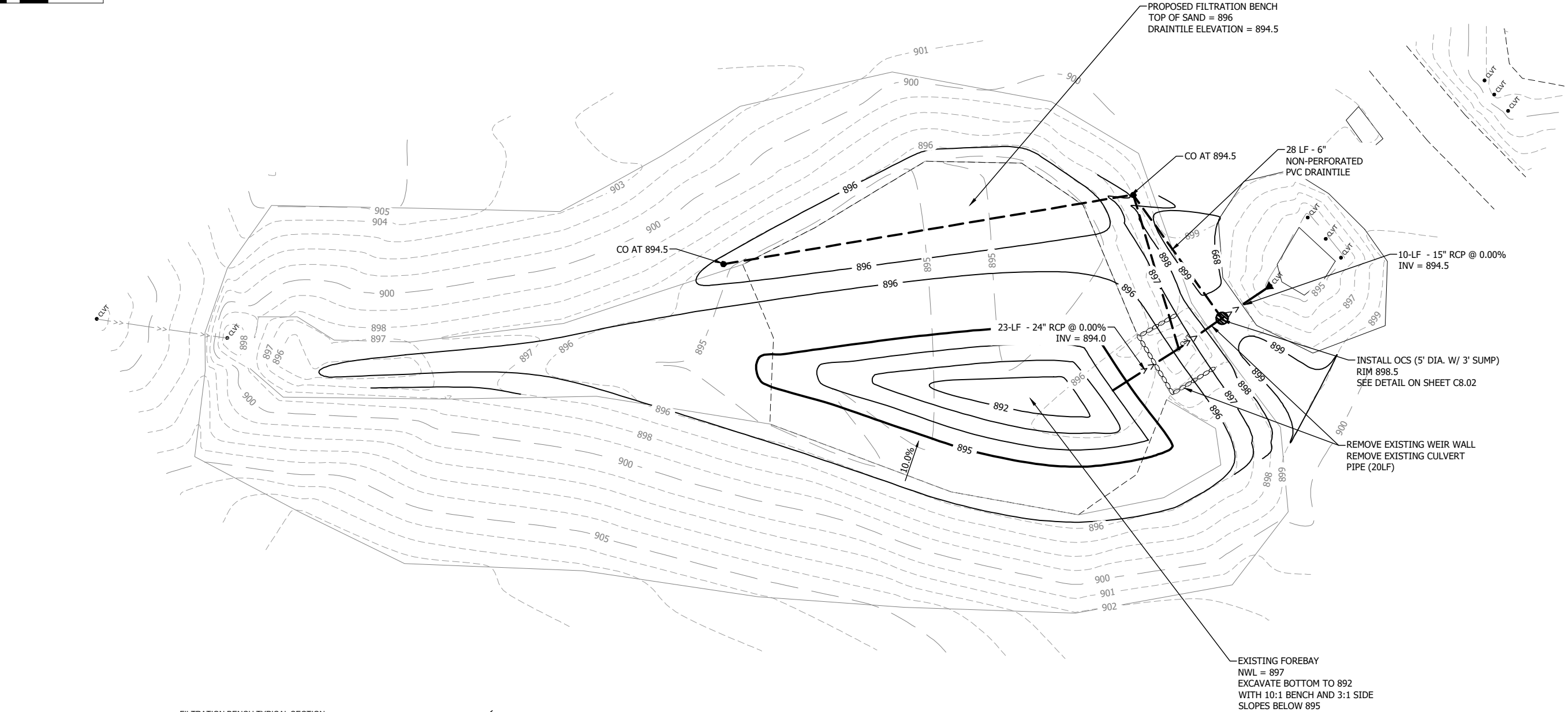
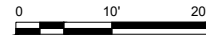
SILVER VIEW POND IMPROVEMENTS

TEMPORARY EROSION CONTROL

NO	REVISION	DATE

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DESIGNED	XWM
CHECKED	KAS
APPROVED	
PROJ. NO.	193806465
SHEET NUMBER	
C2.04	

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NOTE:

- 1. SEE C8.02 FOR TYPICAL SECTION OF FOREBAY/FILTRATION BENCH.



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PRINT NAME: **Kelli M. Schlegel**

SIGNATURE: *Kelli M. Schlegel*

DATE: 9/30/2024 LIC. NO. 4600

CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
FOREBAY IMPROVEMENTS

NO REVISION DATE

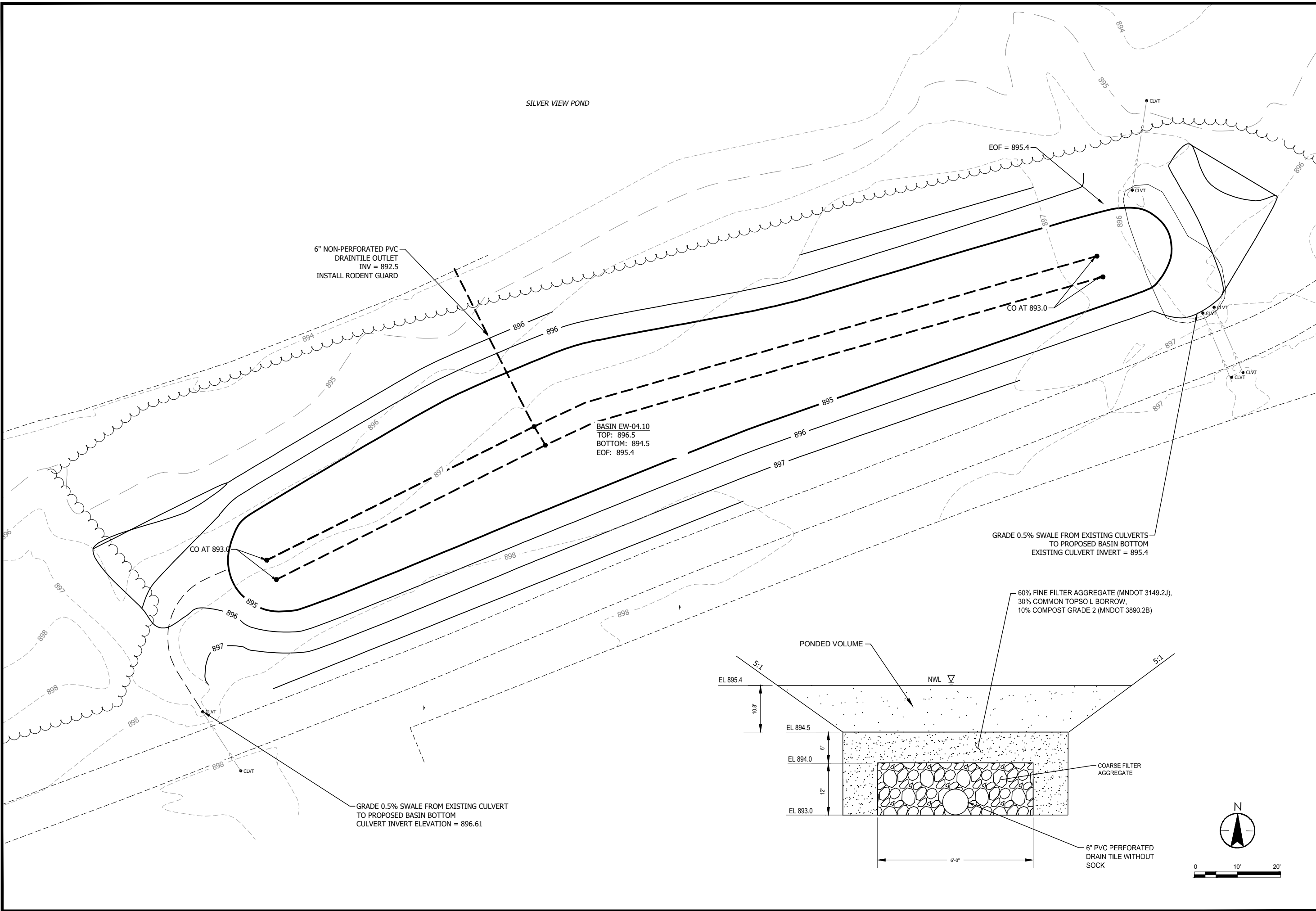
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CHECKED	KAS
APPROVED	
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SHEET NUMBER
C3.01

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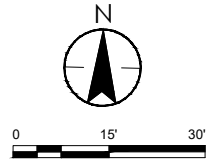


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 PRINT NAME: KELLIE SCHLEGEL
 SIGNATURE: *Kelli M. Schlegel*
 DATE: 9/30/2024 LIC. NO. 4600

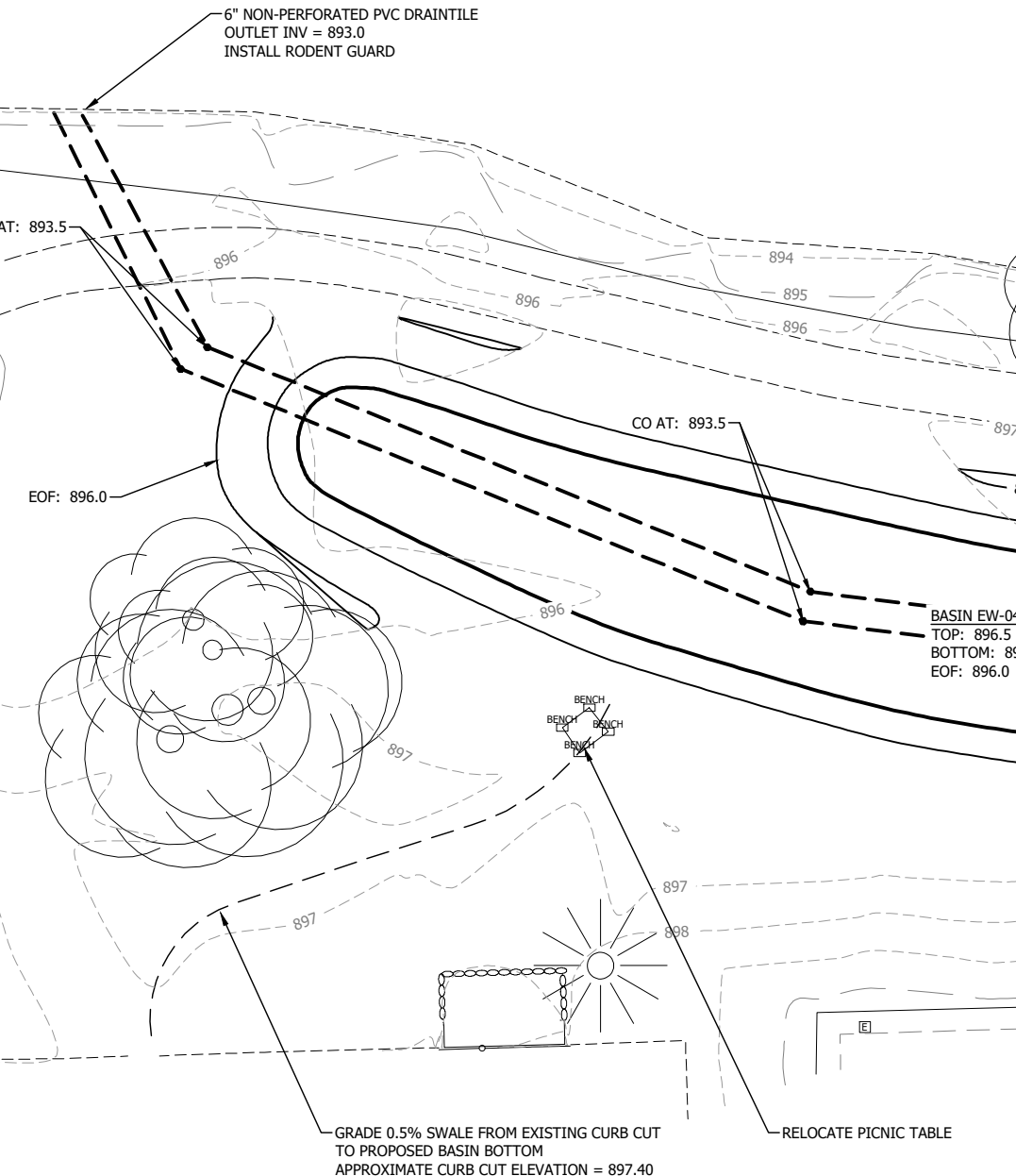
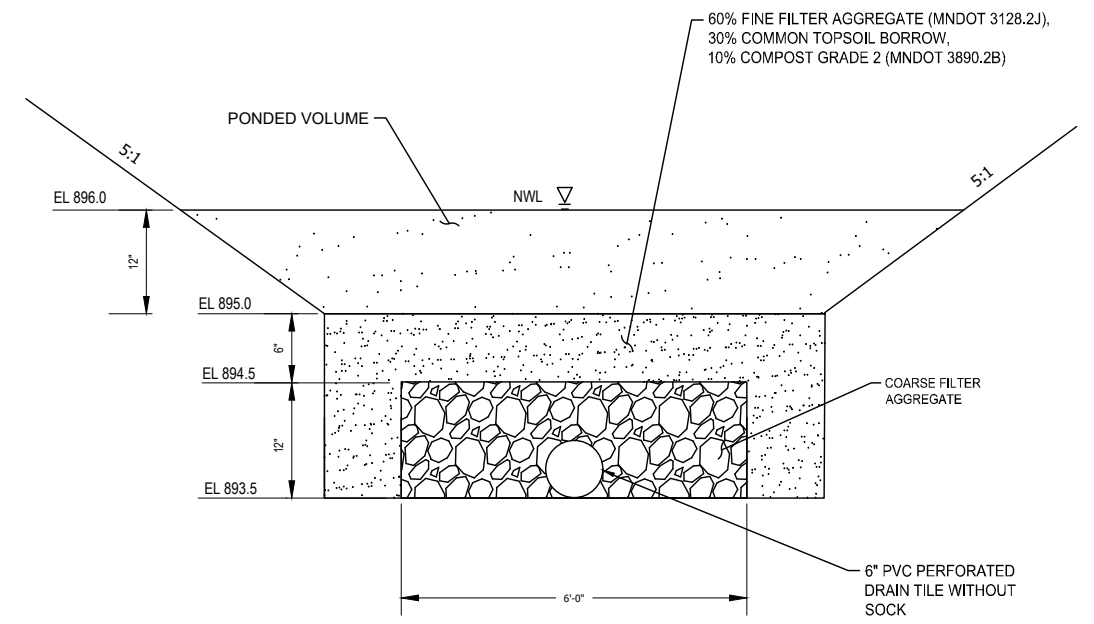
CITY OF MOUNDS VIEWS, MINNESOTA
 SILVER VIEW POND IMPROVEMENTS
 BASIN EW-04.10 IMPROVEMENTS

NO	REVISION	DATE
SURVEY		
DRAWN		XWM/JDP
DESIGNED		XWM
CHECKED		KAS
APPROVED		
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SHEET NUMBER		
C3.02		

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SILVER VIEW POND



GRADE SWALE FROM EXISTING CURB CUT TO PROPOSED BASIN BOTTOM APPROXIMATE CURB CUT ELEVATION = 896.60

GRADE 0.5% SWALE FROM EXISTING CURB CUT TO PROPOSED BASIN BOTTOM APPROXIMATE CURB CUT ELEVATION = 897.40

RELOCATE PICNIC TABLE

BASIN EW-04.11
TOP: 896.5
BOTTOM: 895.0
EOF: 896.0

Plot Date: 09/30/2024 - 3:57pm
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I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer under the laws of the state of Minnesota.
PRINT NAME: KELLIE SCHLEGEL
SIGNATURE: Kelli M. Schlegel
DATE: 9/30/24 I.C. NO. 4600

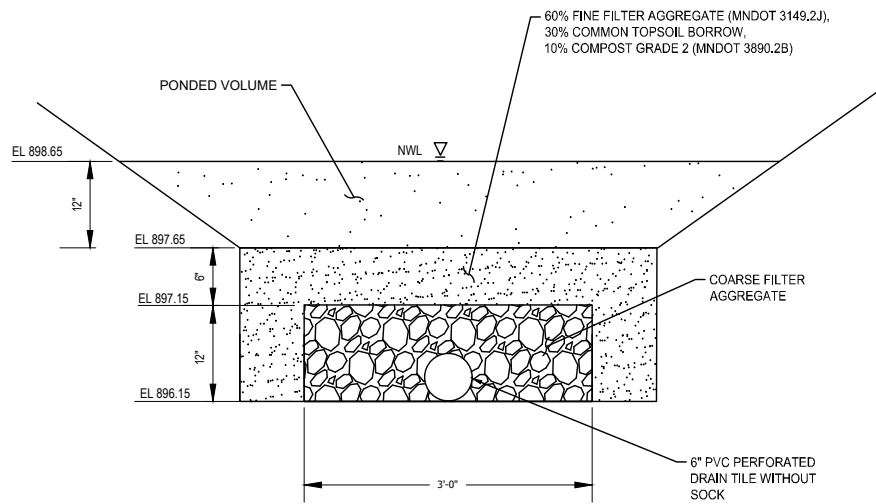
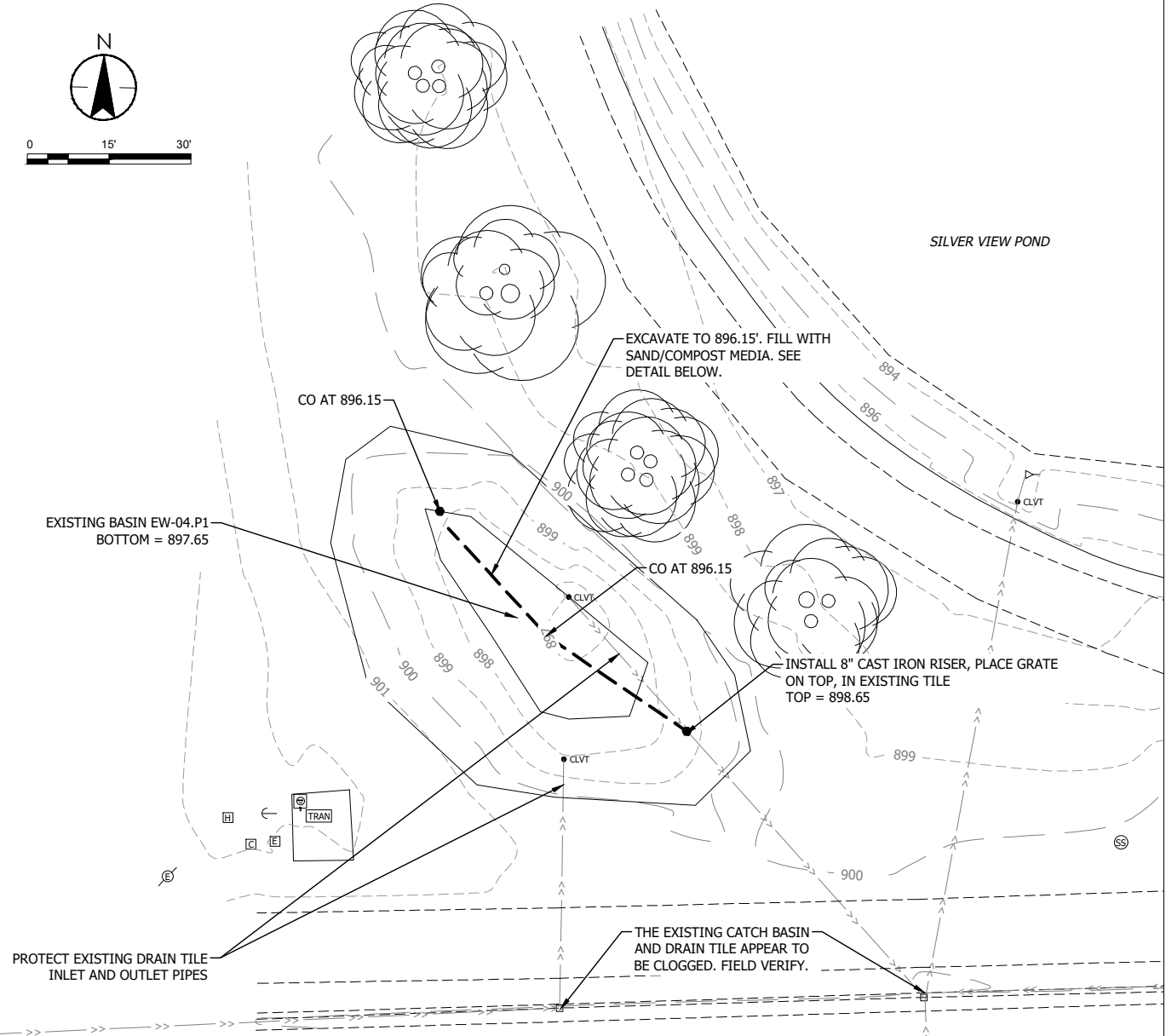
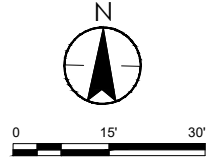
CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
BASIN EW-04.11 IMPROVEMENTS

NO	REVISION	DATE

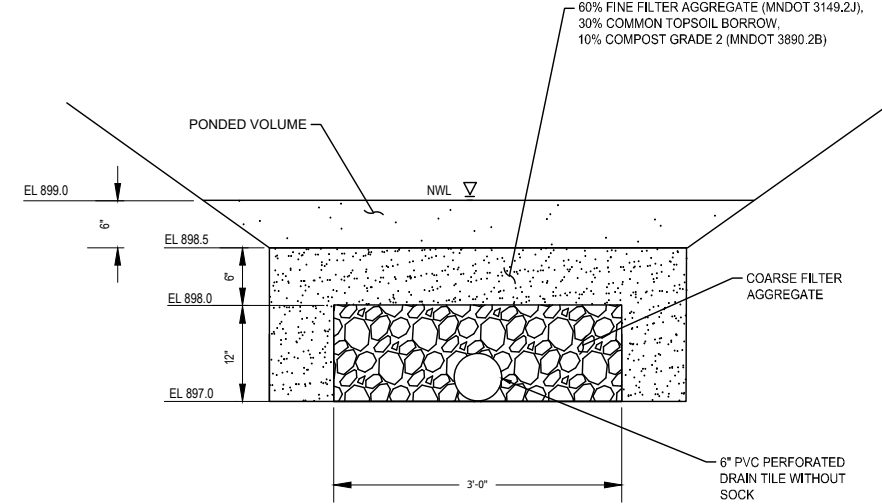
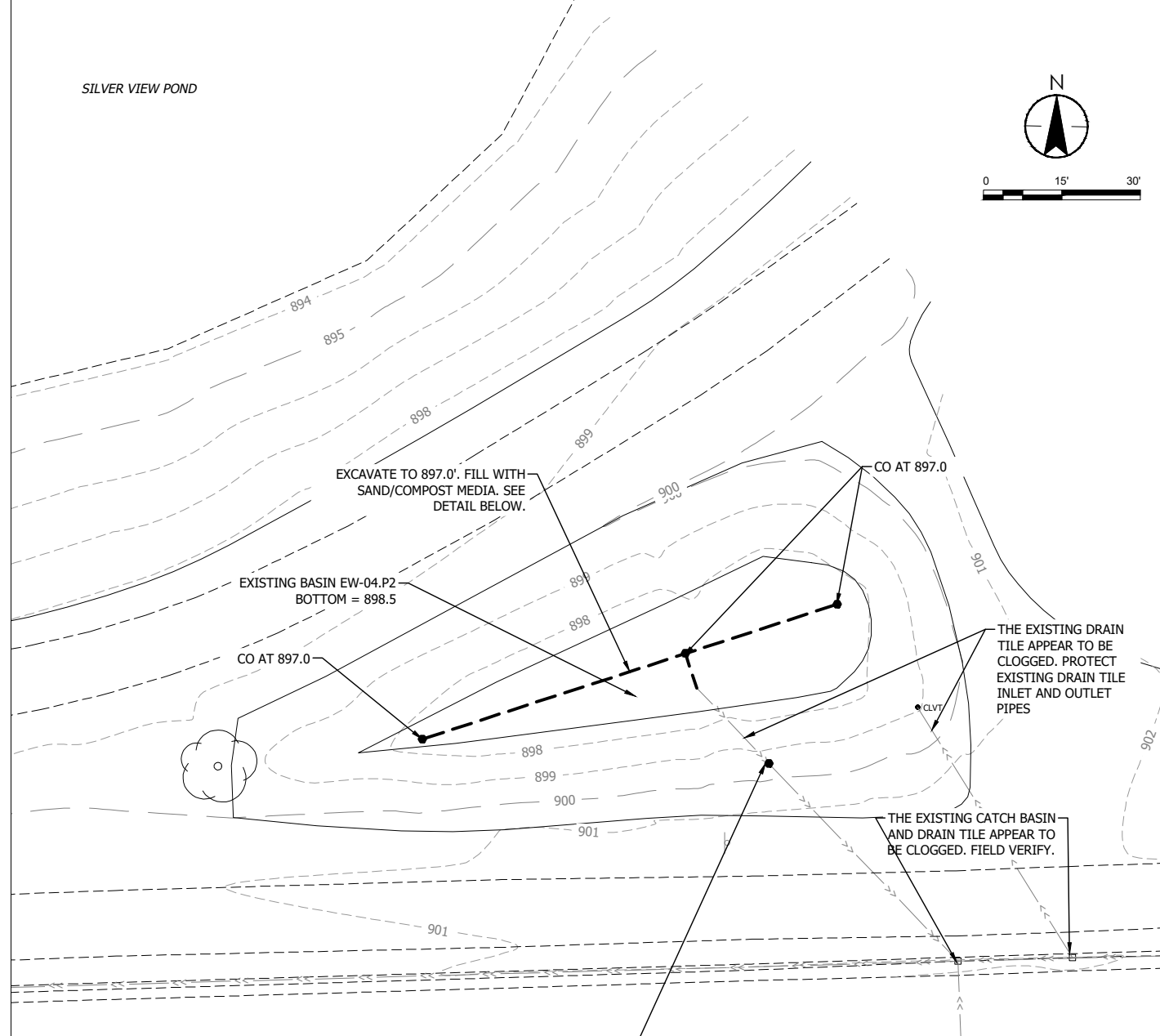
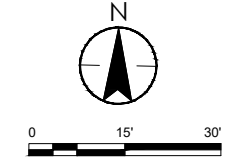
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CHECKED: KAS
APPROVED:
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SHEET NUMBER
C3.03

THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS. DO NOT SCALE THE DRAWING. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO STANTEC WITHOUT DELAY. NO USE FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY STANTEC IS FORBIDDEN.



SILVER VIEW POND



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733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

DATE: 9/30/2024 LIC. NO. 4600

SIGNATURE: Kelli M. Schlegel
PRINT NAME: KELLIE SCHLEGEL

CITY OF MOUNDS VIEWS, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
EXISTING BASIN IMPROVEMENTS

NO	REVISION	DATE

SURVEY

DRAWN XWM/JDP

DESIGNED XWM

CHECKED KAS

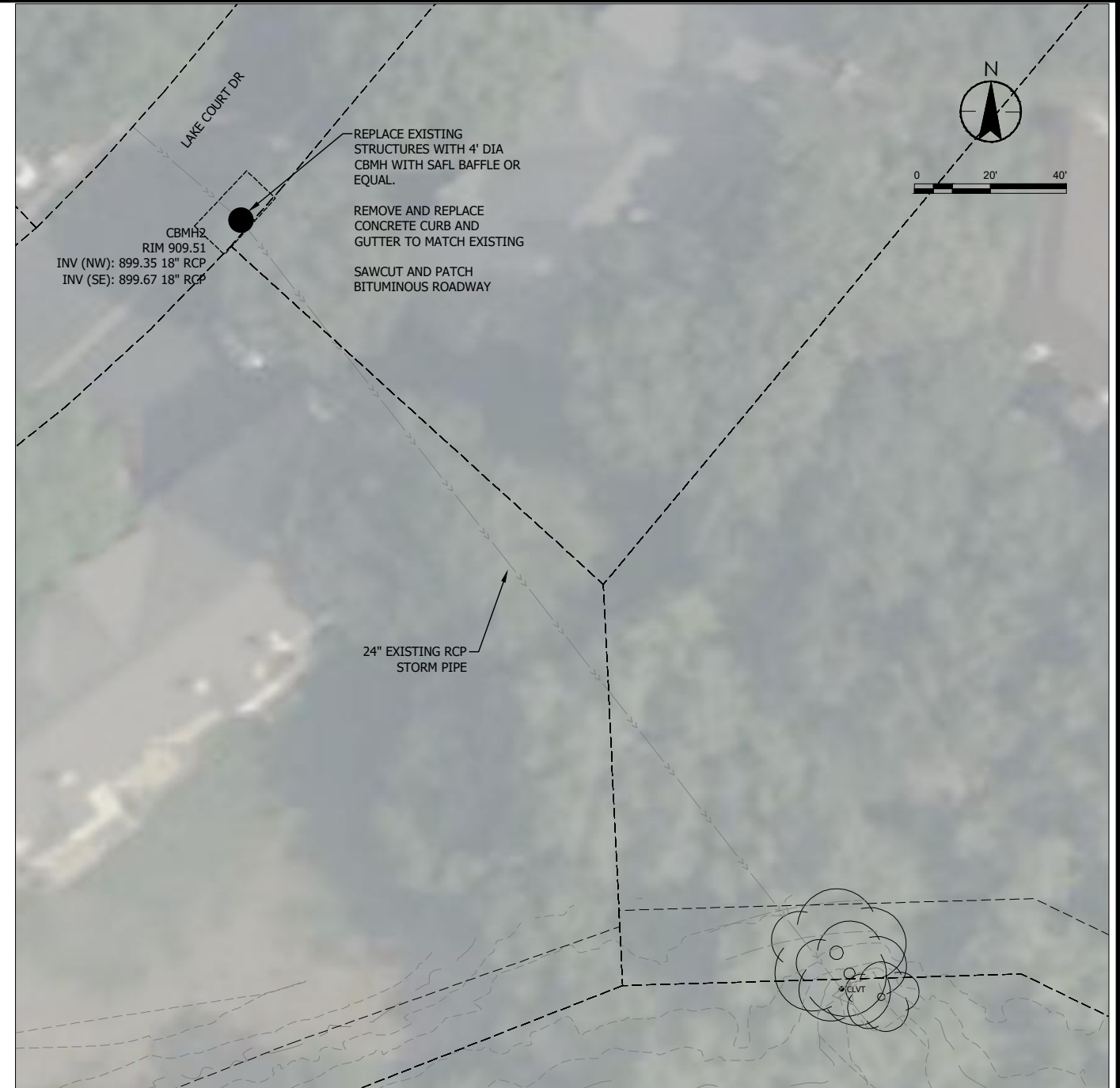
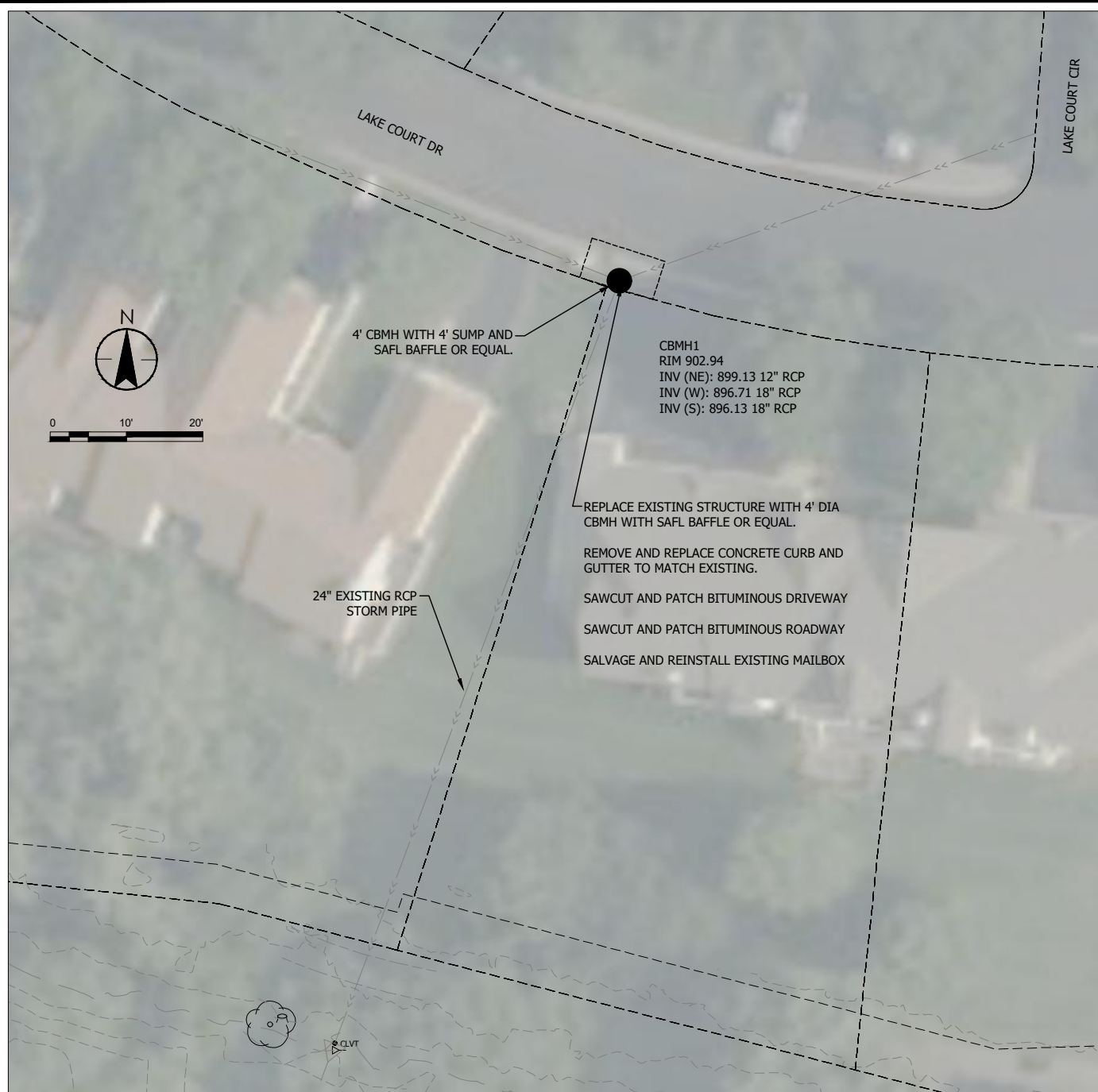
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PROJ. NO. 193806465

SHEET NUMBER

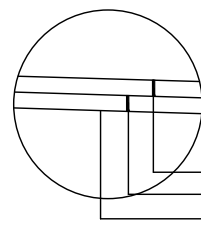
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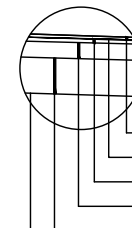
NOTE:

1. CONTRACTOR TO FIELD VERIFY ALL PIPE DIMENSIONS AND INVERTS PRIOR TO FABRICATION OF NEW STRUCTURES.
2. SAWCUT (FULL DEPTH) ALL PAVEMENT AND CURB REMOVAL LIMITS
3. ALL PAVEMENT THICKNESS SHALL BE MINIMUMS. AGGREGATE AND BITUMINOUS DEPTHS SHALL MATCH EXISTING IF THICKER THAN SHOWN.
4. RESTORE DISTURBED AREAS WITH MNDOT SEE MIX 25-151 (RESIDENTIAL TURFGRASS MIX)



RESIDENTIAL DRIVEWAY

3" TYPE SPWEA340C WEAR COURSE
6" - AGGREGATE BASE CLASS 5 (INCIDENTAL)
COMPACTED SUBGRADE



LAKE COURT DRIVE

1.5" TYPE SPWEA340C WEAR COURSE PER MN/DOT 2360
TACK COAT PER MN/DOT 2357
2" TYPE SPWEB330C BASE COURSE PER MN/DOT 2360
8" CLASS 5 AGGREGATE BASE MN/DOT 3138
12" SELECT GRANULAR BORROW PER MN/DOT 3149.B2
GEOTEXTILE FABRIC TYPE V (NON-WOVEN)

NO.	REVISION	DATE

SURVEY	
DRAWN	XWM/JDP
DESIGNED	XWM
CHECKED	KAS
APPROVED	
PROJ. NO.	193806465
SHEET NUMBER	C5.01

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BASIS OF DESIGN:

- 1. GOVERNING CODES: 2020 STATE OF MINNESOTA BUILDING CODE WHICH ADAPTS THE IBC 2018/ASCE -16
- 2. STRUCTURAL DESIGN CRITERIA
 - 2.1. LATERAL HYDROSTATIC LIVE LOADS
 - 2.1.1. BASEDON 4" OVER THE SKIMMER BEAM 100 PSF/FT OF DEPTH

MATERIALS:

CAST-IN-PLACE CONCRETE SEE DURABILITY REQUIREMENTS
REINFORCING BARS ASTM A615 GRADE 60
POST-INSTALLED CONCRETE AND MASONRY ANCHOR SYSTEMS - U.N.O.
ADHESIVE ANCHORS TO CONCRETE/HILTI HIT-RE 500-SD

CONCRETE:

- 1. CONCRETE WORK SHALL CONFORM TO CURRENT ACI 318 CODE AND THE DETAILING, FABRICATION AND ERECTION OF REINFORCING SHALL CONFORM TO THE CURRENT ACI 315.
- 2. COLD WEATHER CONCRETE SHALL CONFORM TO ACI 306 AND HOT WEATHER CONCRETE SHALL CONFORM TO ACI 305.
- 3. CONTRACTOR SHALL SCHEDULE PRE-CONSTRUCTION MEETING WITH ENGINEER OF RECORD AND ALL CONCRETE SUBCONTRACTORS PRIOR TO START OF CONCRETE WORK.
- 4. REINFORCING BARS ARE TO BE DEFORMED AND CONTINUOUS, UNLESS NOTED OTHERWISE. REFER TO DRAWINGS FOR REINFORCING LAP LENGTH AND SCHEDULE.
- 5. WHEN NEW CONCRETE IS PLACED AGAINST EXISTING CONCRETE, THE EXISTING CONCRETE SHALL BE ROUGHENED TO A MINIMUM 1/4 INCH AMPLITUDE. REINFORCING STEEL SHALL BE CONTINUOUS THROUGH THE JOINT. UNO.
- 6. NO HORIZONTAL JOINTS SHALL BE PLACED IN FOOTINGS, PILE CAPS, BEAMS AND SLABS UNLESS OTHERWISE NOTED ON THE DRAWINGS, INCLUDING DEWATERING PRIOR TO CONSTRUCTING FORMS AND SHORING.
- 7. DESIGN OF FORMWORK, SHORING AND RE-SHORING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM TO ACI 347R.
- 8. FORMWORK AND SHORING SHALL REMAIN IN PLACE FOR A MINIMUM OF 14 DAYS.
- 9. FORMWORK AND SHORING SHALL BE REMOVED IN SUCH A MANNER AS NOT TO IMPAIR SAFETY AND SERVICEABILITY OF THE STRUCTURE.
- 10. PROVIDE 3/8 INCH CHAMFER FOR ALL EXPOSED CONCRETE CORNERS.
- 11. EMBEDDED ITEMS SHALL BE PLACED AND SECURED PRIOR TO CONCRETE PLACEMENT
- 12. PROVIDE CURING COMPOUND APPROPRIATE TO CONCRETE CONSTRUCTION. SUBMIT TO ENGINEER FOR REVIEW AND APPROVAL.

CONCRETE MIX DESIGN PERFORMANCE REQUIREMENTS:

- 1. WORK SHALL CONFORM TO ACI 318-14 CHAPTER 19 AND OTHER APPLICABLE BUILDING CODES, ORDINANCES, AND REGULATIONS AS ADOPTED BY LOCAL AUTHORITIES HAVING JURISDICTION.
- 2. FC INDICATED ON THESE DOCUMENTS REFERS TO THE 28-DAY COMPRESSIVE STRENGTH.
- 3. FOR EXTERIOR CONCRETE EXPOSED TO FREEZE/THAW, WHERE F>F0, THE MIX DESIGN SHALL DESIGNATE A RANGE OF AIR-ENTRAINMENT AS A PERCENTAGE OF THE TOTAL MIXTURE BASED ON THE MAXIMUM AGGREGATE SIZE USED. MIX DESIGNER SHALL REFERENCE ACI TABLE 19.3.1. WHERE FC IS SPECIFIED GREATER THAN 5,000 PSI REDUCTION OF AIR CONTENT INDICATED BY TABLE 19.3.1. BY 1.0 PERCENT SHALL BE PERMITTED.
- 4. USE OF HIGH-EARLY ASTM TYPE III CEMENT IS PROHIBITED UNLESS SPECIFICALLY APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.
- 5. CONCRETE MIX DESIGN SHALL BE BASED ON THE FOLLOWING PERFORMANCE REQUIREMENTS, PER ACI TABLE 9.3.2.1:
 - 5.1. 'F' REFERS TO THE FREEZE/THAW EXPOSURE RATING, FOR EXTERIOR CONCRETE EXPOSED TO MOISTURE AND CYCLES OF FREEZE/THAW, WITH OR WITHOUT DEICING CHEMICAL APPLICATION.
 - 5.2. 'W' APPLIES TO IN CONTACT WITH WATER BUT NOT EXPOSED TO FREEZING AND THAWING, CHLORIDES, OR SULFATES
 - 5.3. 'S' REFERS TO SEVERITY OF SULFATE EXPOSURE FOR CONCRETE IN CONTACT WITH SOIL OR WATER CONTAINING DELETERIOUS AMOUNTS OF WATER-SOLUBLE SULFATE IONS.
 - 5.4. 'C' REFERS TO EXPOSURE RATING TO SOURCES OF CHLORIDES, FOR REINFORCED AND/OR PRESTRESSED CONCRETE EXPOSED TO CONDITIONS THAT REQUIRE ADDITIONAL PROTECTION AGAINST CORROSION OF REINFORCEMENT DUE TO CHLORIDE ION EXPOSURE.
- 6. SUBMIT MIX DESIGNS IN ACCORDANCE WITH ACI 318, INCLUDING HISTORICAL DATA FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- 7. MINIMUM PROJECT REQUIREMENTS PER ACI TABLE 19.3.2.1 ARE:

Mix #	Min fc	Exposure Classification				Description
		F	S	W	C	
1	5000	F3	S2	W1	C2	WEIR WALL

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

Print Name: DANIEL F. WESTON

Signature: _____

Date: _____ License # 20365



CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
WEIR WALL IMPROVEMENT

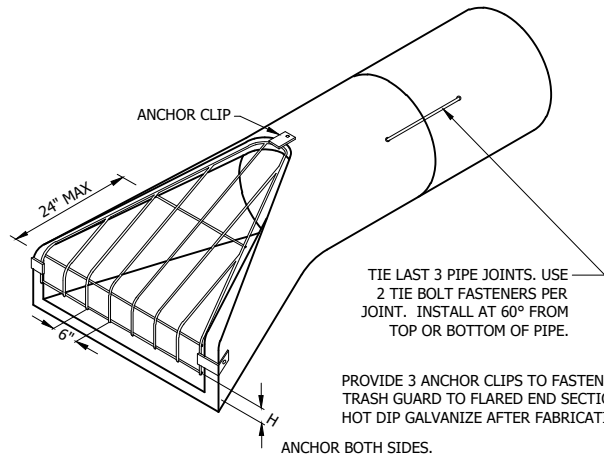
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SURVEY
DRAWN XWM/JDP
DESIGNED XWM
CHECKED KAS
APPROVED
PROJ. NO. 193806465

SHEET NUMBER
C5.02

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SEE CITY PLATE NO. STO-13 FOR RIPRAP PLACEMENT.



TIE LAST 3 PIPE JOINTS. USE 2 TIE BOLT FASTENERS PER JOINT. INSTALL AT 60° FROM TOP OR BOTTOM OF PIPE.

PROVIDE 3 ANCHOR CLIPS TO FASTEN TRASH GUARD TO FLARED END SECTION. HOT DIP GALVANIZE AFTER FABRICATION.

ANCHOR BOTH SIDES.

ISOMETRIC

PIPE SIZE	TRASH GUARD SIZING BARS	H'	BOLTS
12"- 18"	3/4"Ø	4"	5/8"
21"- 42"	1"Ø	6"	3/4"
48"-72"	1 1/4"Ø	12"	1"

No Scale

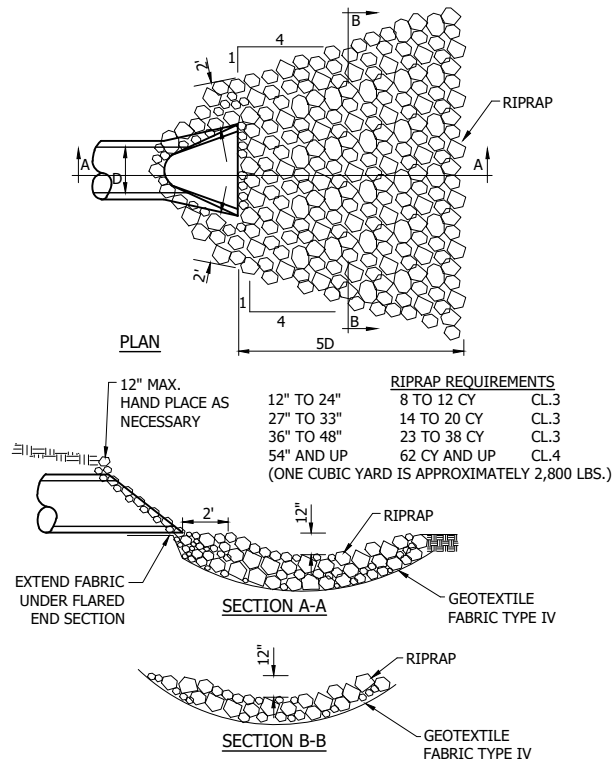


STANDARD DETAILS
FLARED END SECTION
WITH TRASH GUARD

LAST REVISION:
MAR. 2001

MOUNDS VIEW, MINNESOTA

City Plate No.
STO-12



RIPRAP REQUIREMENTS

12" TO 24"	8 TO 12 CY	CL.3
27" TO 33"	14 TO 20 CY	CL.3
36" TO 48"	23 TO 38 CY	CL.3
54" AND UP	62 CY AND UP	CL.4

(ONE CUBIC YARD IS APPROXIMATELY 2,800 LBS.)

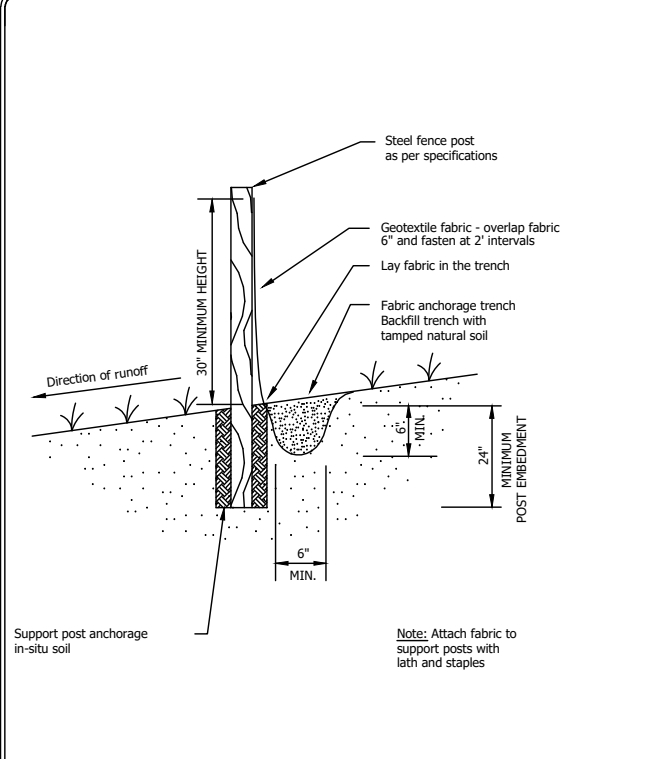


STANDARD DETAILS
RIP RAP AT OUTLETS
STORM SEWER STRUCTURE

LAST REVISION:
MAR. 2001

MOUNDS VIEW, MINNESOTA

City Plate No.
STO-13

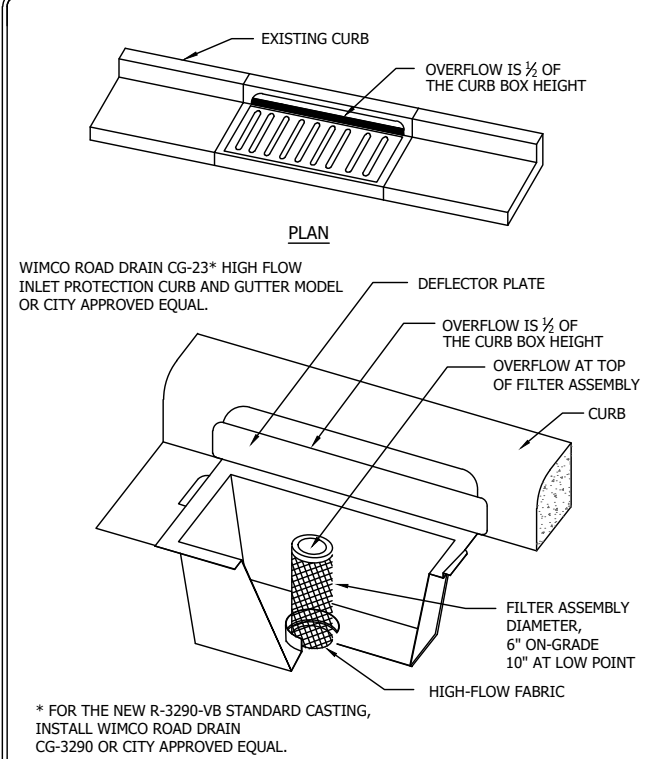


STANDARD DETAILS
SILT FENCE

LAST REVISION:
MAR. 2001

MOUNDS VIEW, MINNESOTA

City Plate No.
ERO-1

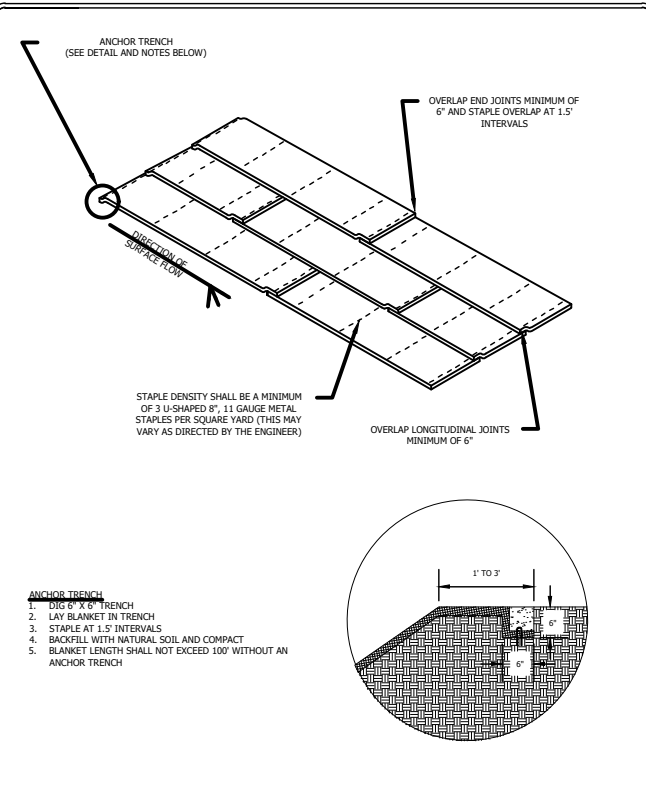


STANDARD DETAILS
CATCH BASIN INLET PROTECTION
AFTER PAVING

LAST REVISION:
MAR. 2001

MOUNDS VIEW, MINNESOTA

City Plate No.
ERO-4C



STAPLE DENSITY SHALL BE A MINIMUM OF 3 U-SHAPED #7, 11 GAUGE METAL STAPLES PER SQUARE YARD (THIS MAY VARY AS DIRECTED BY THE ENGINEER)

OVERLAP LONGITUDINAL JOINTS MINIMUM OF 6"

- ANCHOR TRENCH
- DIG 6" X 6" TRENCH
 - LAY BLANKET IN TRENCH
 - STAPLE AT 1.5' INTERVALS
 - BACKFILL WITH NATURAL SOIL AND COMPACT
 - BLANKET LENGTH SHALL NOT EXCEED 100' WITHOUT AN ANCHOR TRENCH

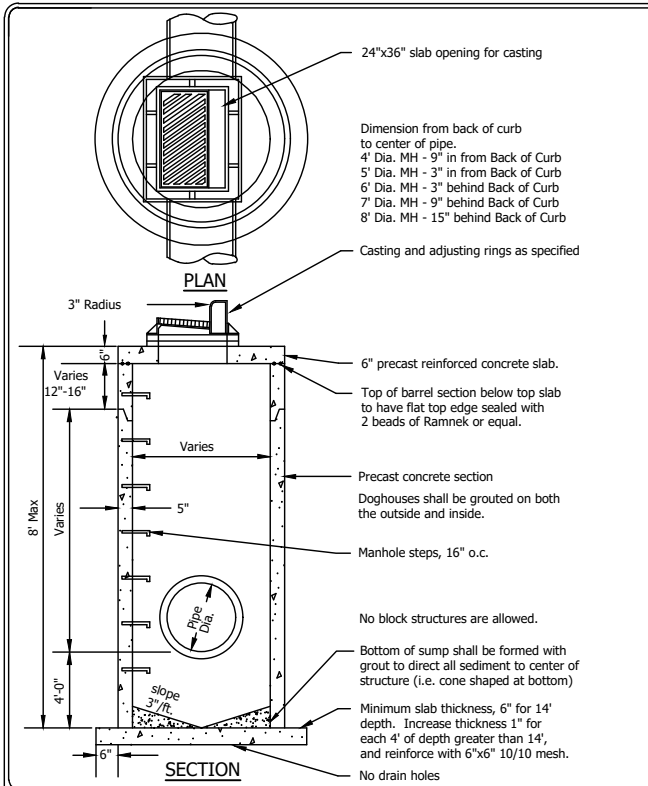


STANDARD DETAILS
EROSION CONTROL
BLANKET INSTALLATION

LAST REVISION:
MAR. 2014

MOUNDS VIEW, MINNESOTA

City Plate No.
ERO-X

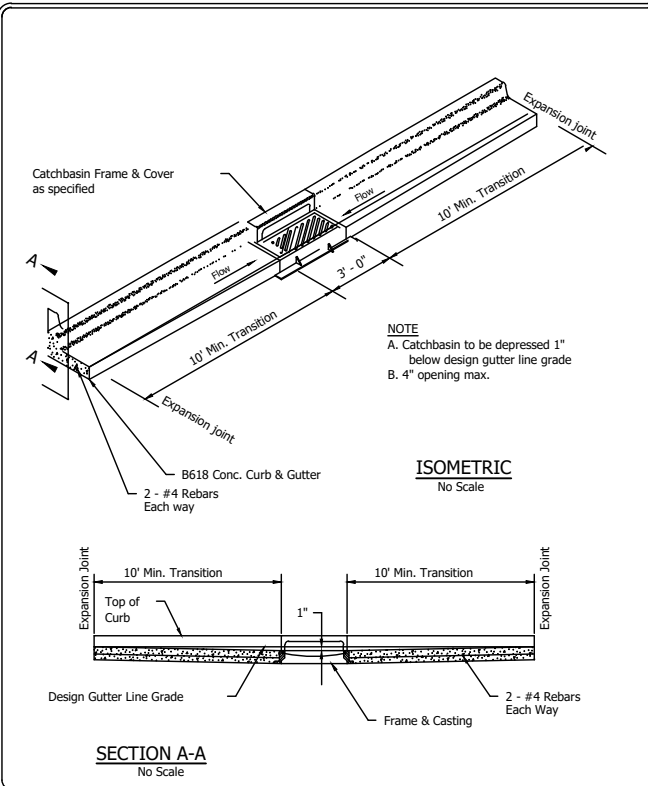


STANDARD DETAILS
CATCHBASIN MANHOLE WITH SUMP

LAST REVISION:
Mar. 2001

MOUNDS VIEW, MINNESOTA

City Plate No.
STO-21

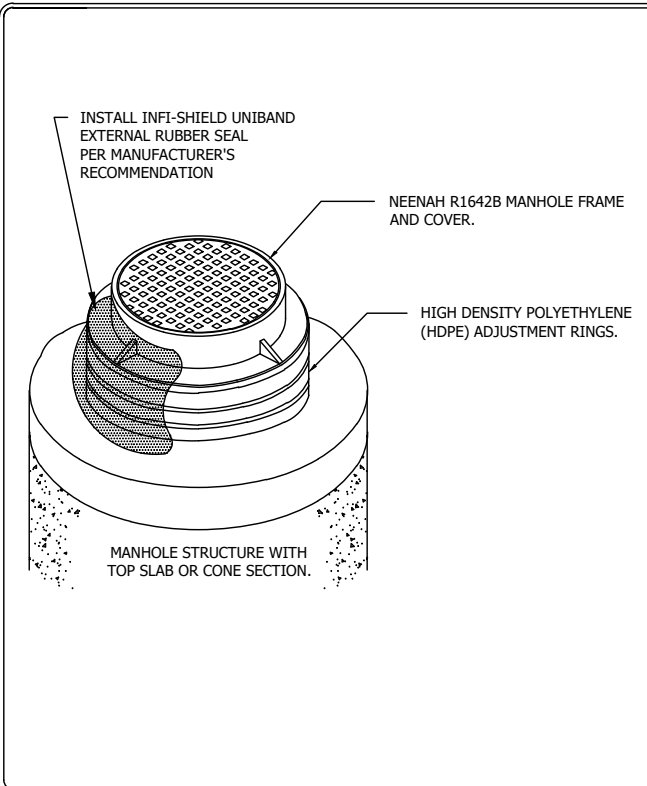


STANDARD DETAILS
B618 CURB & GUTTER
CONSTRUCTION AT CATCH BASIN

LAST REVISION:
Mar. 2001

MOUNDS VIEW, MINNESOTA

City Plate No.
STR-4



STANDARD DETAILS
MANHOLE ADJUSTMENT
HIGH DENSITY POLYETHYLENE RINGS

LAST REVISION:
Feb. 2011

MOUNDS VIEW, MINNESOTA

City Plate No.
STR-18b

Plot Date: 09/30/2024 - 3:59pm
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User: 193806465_BONDER



733 Marquette Avenue, Suite 1000
Minneapolis, MN 55402
www.stantec.com

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
PRINT NAME: KELLIE M. SCHLEGEL
SIGNATURE: Kelli M. Schlegel
LIC. NO.: 4600
DATE: 9/30/2024

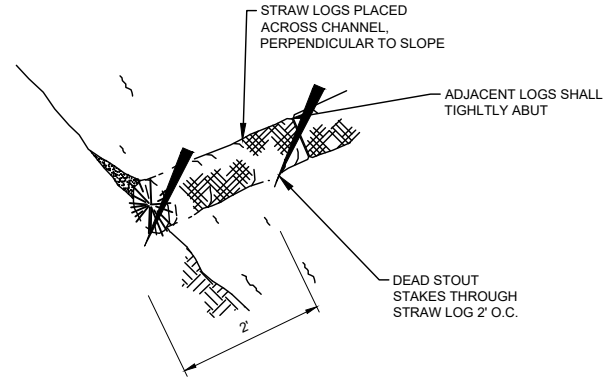
CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
STANDARD DETAILS

NO REVISION DATE

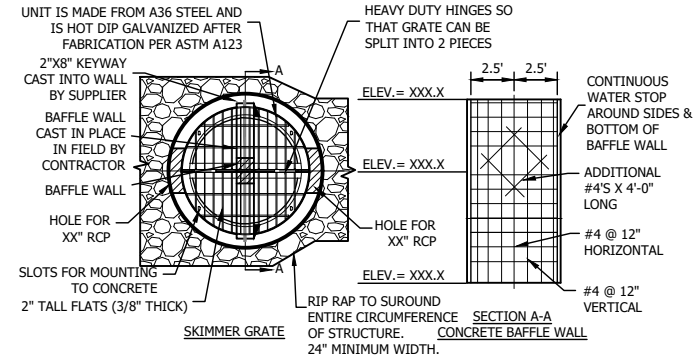
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DRAWN: XWM/JDP
DESIGNED: XWM
CHECKED: KAS
APPROVED

PROJ. NO. 193806465

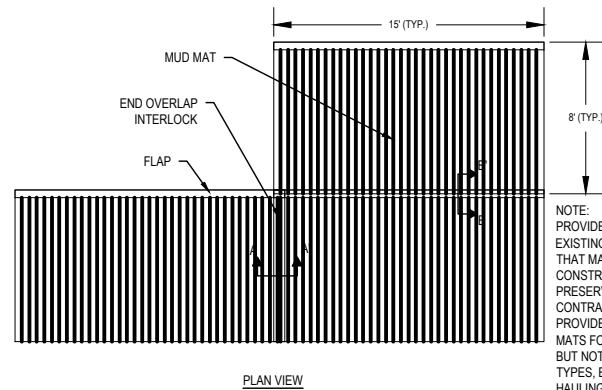
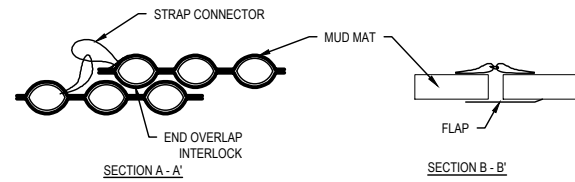
SHEET NUMBER
C8.01



1 BIOLOG DETAIL
C-802

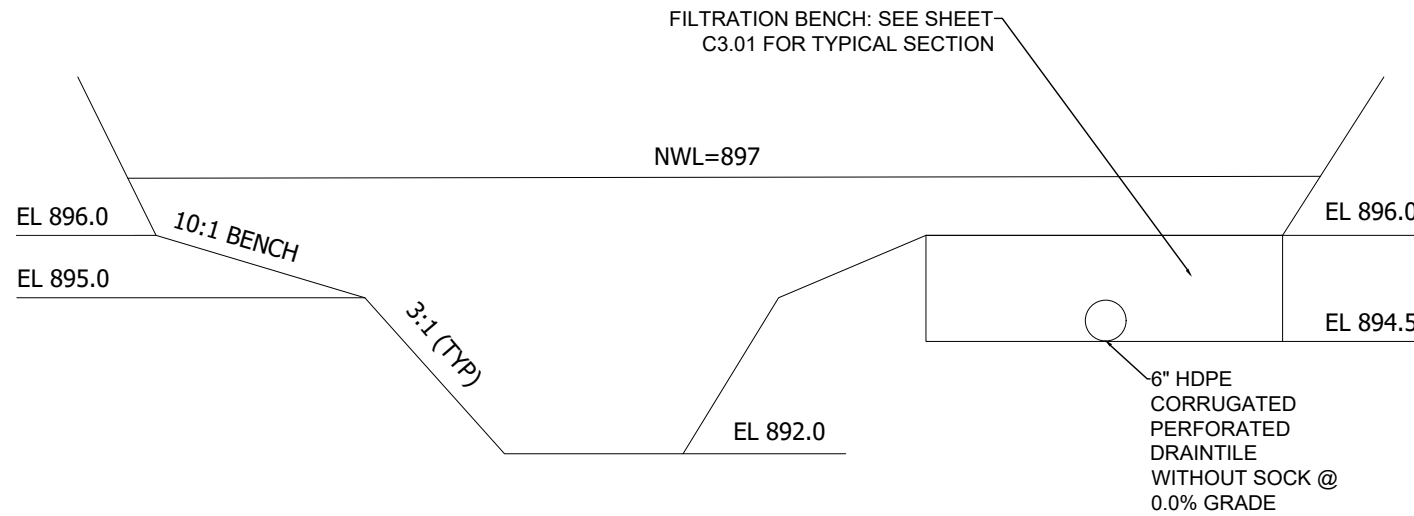


4 OUTLET CONTROL STRUCTURE WITH CAST IN FIELD CONCRETE BAFFLE WALL
C-802



NOTE: PROVIDE PROTECTIVE MATS ON EXISTING PAVEMENT AND CURB THAT MAY BE IMPACTED BY CONSTRUCTION OPERATIONS TO PRESERVE THE PAVEMENT/CURB. CONTRACTOR SHALL SELECT, PROVIDE, INSTALL, AND MAINTAIN MATS FOR ACTIVITIES INCLUDING BUT NOT LIMITED TO, EQUIPMENT TYPES, EQUIPMENT LOADS AND HAULING ACTIVITIES NECESSARY TO COMPLETE THE WORK. CONTRACTOR SHALL REMOVE MATS UPON COMPLETION AND RESTORE DAMAGED PAVEMENT.

2 TEMPORARY CONSTRUCTION ENTRANCE - MUD MAT
C-802 NOT TO SCALE



3 FOREBAY WITH BENCH
C-802

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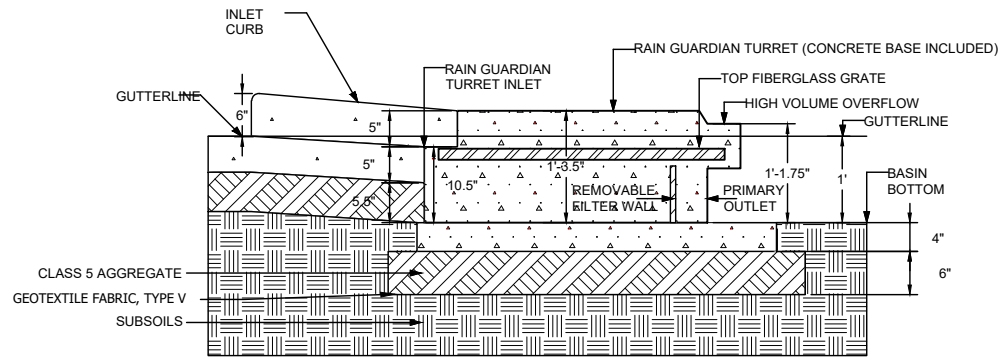
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Signature: Kelli M. Schlegel
Date: 9/30/24
LIC. NO.: 4620

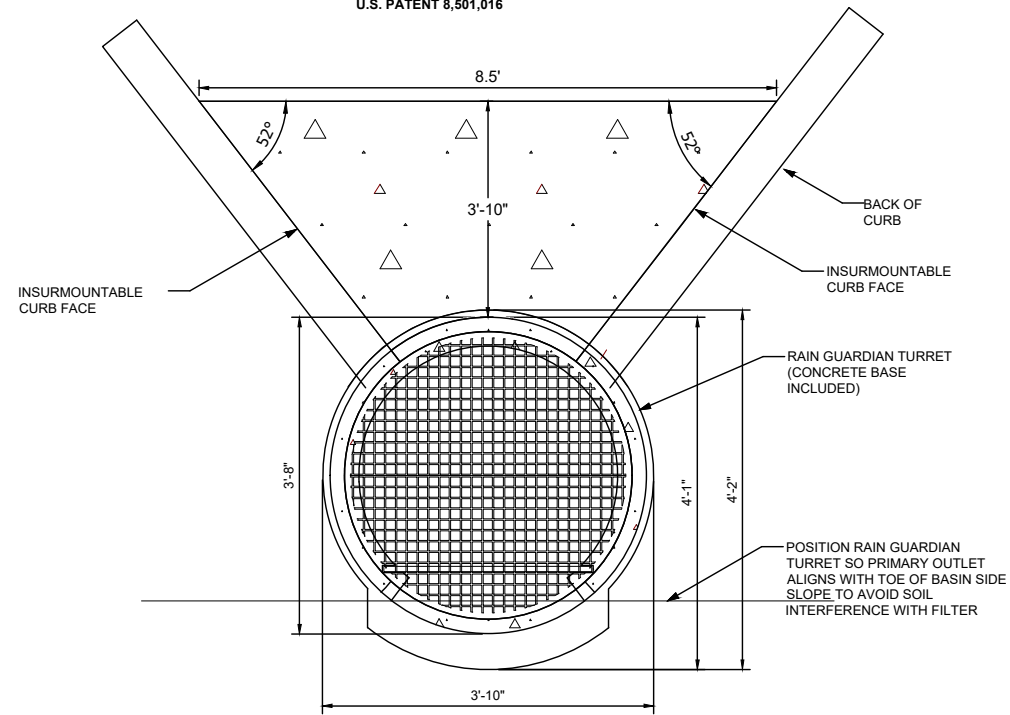
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SURVEY	
DRAWN	XWM/JDP
DESIGNED	XWM
CHECKED	KAS
APPROVED	
PROJ. NO.	193806465
SHEET NUMBER	C8.02

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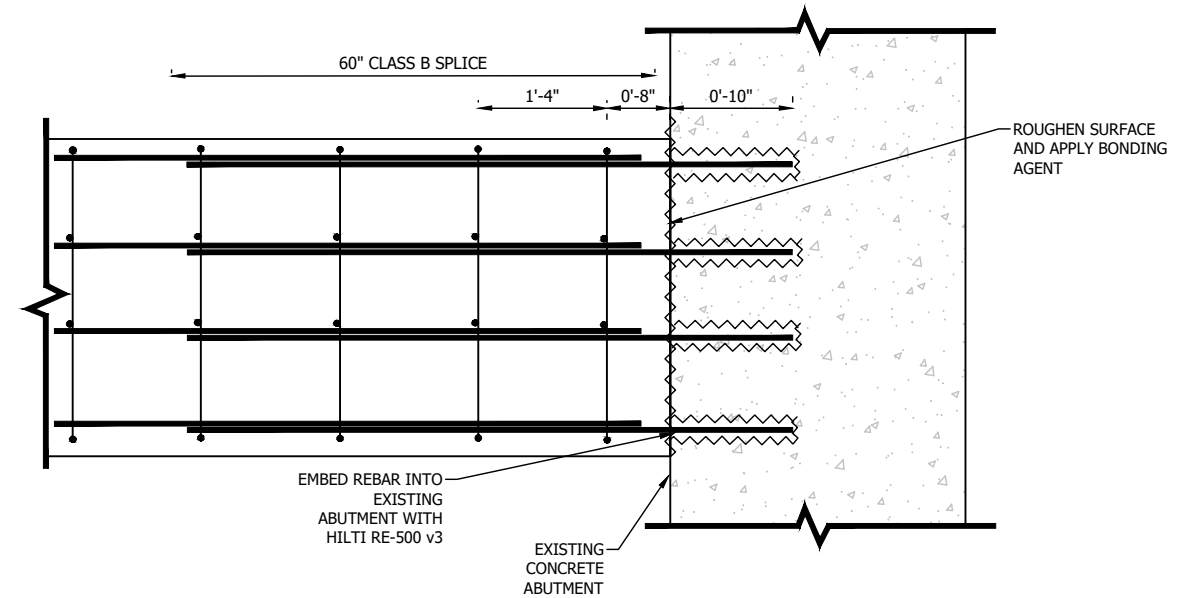


RAIN GUARDIAN TURRET CROSS-SECTION VIEW
U.S. PATENT 8,501,016



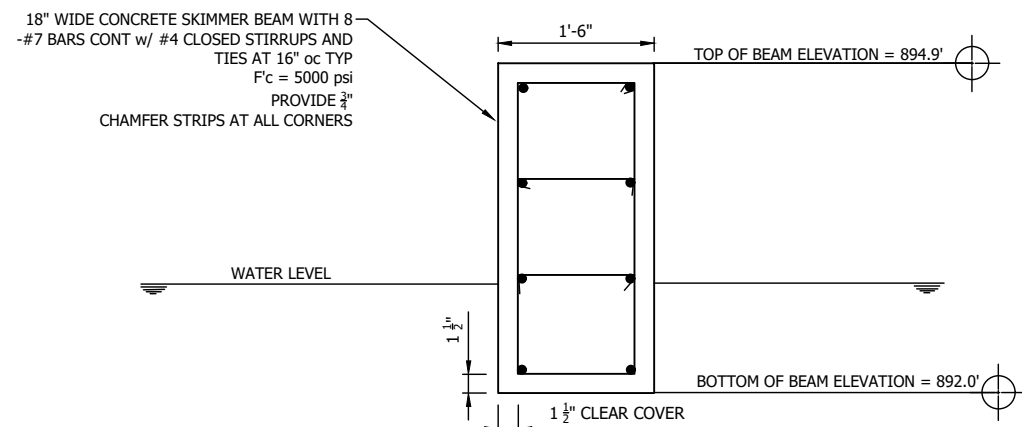
RAIN GUARDIAN TURRET PLAN VIEW
U.S. PATENT 8,501,016

EXTENDED CONCRETE GUTTER AT ENTRANCE TO STRUCTURE INCIDENTAL TO PRETREATMENT STRUCTURE BID ITEM

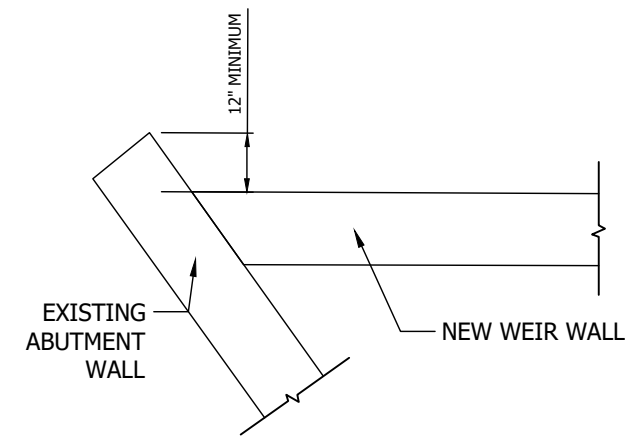


6 WEIR WALL CONCRETE BEAM ELEVATION
C-803

5 PRETREATMENT CHAMBER (RAIN GUARDIAN TURRET) PLAN AND SECTION
C-802



6 WEIR WALL CONCRETE BEAM SECTION
C-803



7 WEIR WALL CONCRETE BEAM CONNECTION
C-803

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

Print Name: DANIEL F. WESTON

Signature: _____

Date: _____ License # 20365



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Minneapolis, MN 55402
www.stantec.com

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
PRINT NAME: KELLIE SCHLEGEL
SIGNATURE: Kelli M. Schlegel
DATE: 9/30/2024 LIC. NO. 4600

CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
STANDARD DETAILS

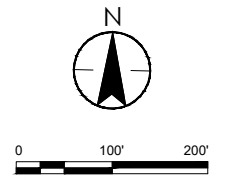
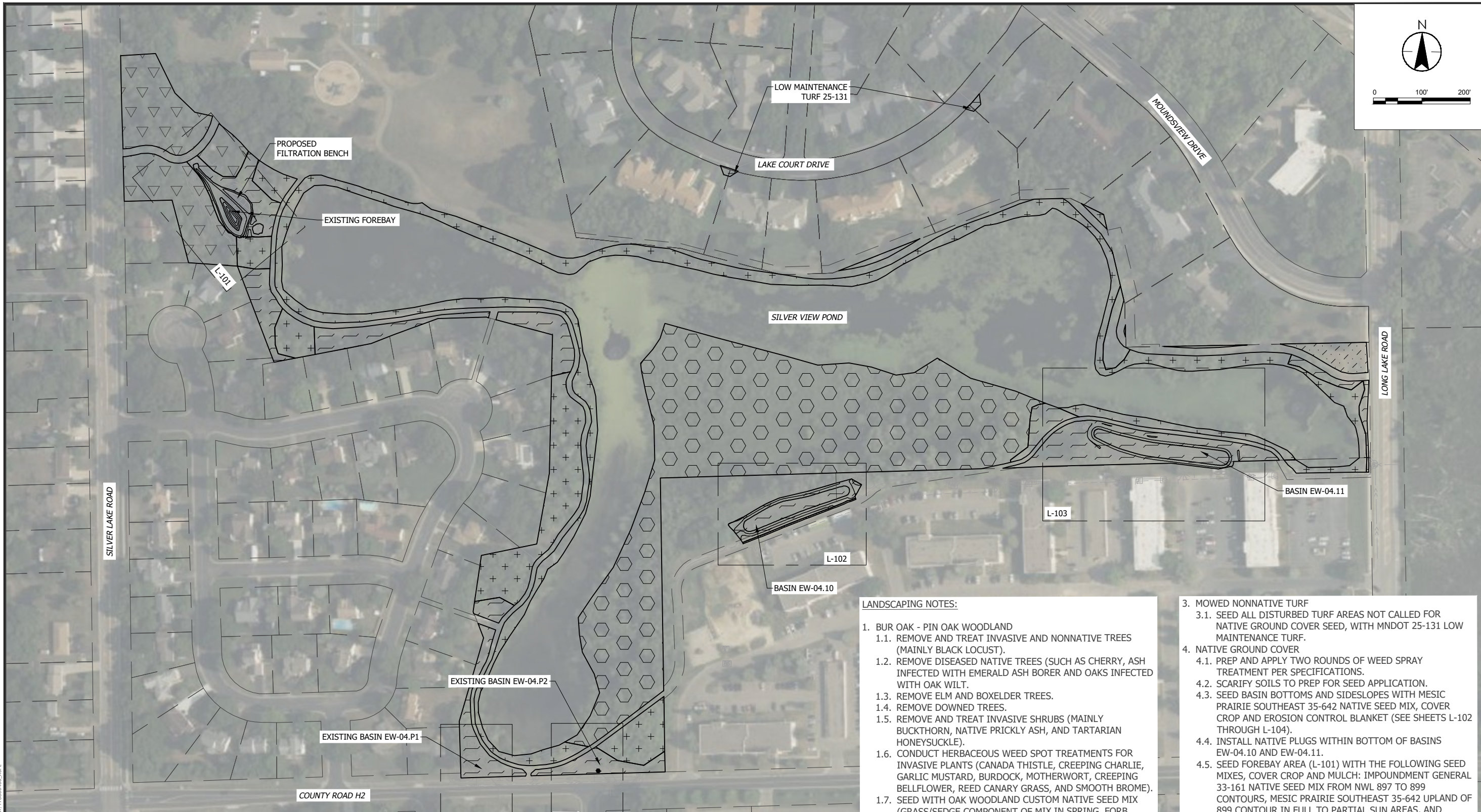
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C8.03

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LEGEND	
	BUR OAK - PIN OAK WOODLAND
	LOWLAND HARDWOODS
	NATIVE GROUND COVER
	MOWED NONNATIVE GRASSES & SCATTERED LANDSCAPE TREES
	WET MEADOW/CARR & HARDWOOD SWAMP

- LANDSCAPING NOTES:**
- BUR OAK - PIN OAK WOODLAND
 - REMOVE AND TREAT INVASIVE AND NONNATIVE TREES (MAINLY BLACK LOCUST).
 - REMOVE DISEASED NATIVE TREES (SUCH AS CHERRY, ASH INFECTED WITH EMERALD ASH BORER AND OAKS INFECTED WITH OAK WILT).
 - REMOVE ELM AND BOXELDER TREES.
 - REMOVE DOWNED TREES.
 - REMOVE AND TREAT INVASIVE SHRUBS (MAINLY BUCKTHORN, NATIVE PRICKLY ASH, AND TARTARIAN HONEYSUCKLE).
 - CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, CREEPING BELLFLOWER, REED CANARY GRASS, AND SMOOTH BROME).
 - SEED WITH OAK WOODLAND CUSTOM NATIVE SEED MIX (GRASS/SEDGE COMPONENT OF MIX IN SPRING, FORB COMPONENT AFTER NOVEMBER 1).
 - LOWLAND HARDWOODS
 - REMOVE AND TREAT INVASIVE AND NONNATIVE TREES.
 - REMOVE DISEASED NATIVE TREES (SUCH AS CHERRY, ASH INFECTED WITH EMERALD ASH BORER AND OAKS INFECTED WITH OAK WILT).
 - REMOVE DOWNED TREES.
 - REMOVE AND TREAT INVASIVE SHRUBS (MAINLY BUCKTHORN AND TARTARIAN HONEYSUCKLE).
 - CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, PURPLE LOOSESTRIPE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, NONNATIVE CATTAIL, VIRGINIA STICKWEED, REED CANARY GRASS, AND SMOOTH BROME).
 - SEED WITH LOWLAND HARDWOODS CUSTOM NATIVE SEED MIX (GRASS/SEDGE COMPONENT OF MIX IN SPRING, FORB COMPONENT AFTER NOVEMBER 1) AND MULCH.

- MOWED NONNATIVE TURF
 - SEED ALL DISTURBED TURF AREAS NOT CALLED FOR NATIVE GROUND COVER SEED, WITH MNDOT 25-131 LOW MAINTENANCE TURF.
- NATIVE GROUND COVER
 - PREP AND APPLY TWO ROUNDS OF WEED SPRAY TREATMENT PER SPECIFICATIONS.
 - SCARIFY SOILS TO PREP FOR SEED APPLICATION.
 - SEED BASIN BOTTOMS AND SIDESLOPES WITH MESIC PRAIRIE SOUTHEAST 35-642 NATIVE SEED MIX, COVER CROP AND EROSION CONTROL BLANKET (SEE SHEETS L-102 THROUGH L-104).
 - INSTALL NATIVE PLUGS WITHIN BOTTOM OF BASINS EW-04.10 AND EW-04.11.
 - SEED FOREBAY AREA (L-101) WITH THE FOLLOWING SEED MIXES, COVER CROP AND MULCH: IMPOUNDMENT GENERAL 33-161 NATIVE SEED MIX FROM NWL 897 TO 899 CONTOURS, MESIC PRAIRIE SOUTHEAST 35-642 UPLAND OF 899 CONTOUR IN FULL TO PARTIAL SUN AREAS, AND WOODLAND EDGE SOUTH & WEST 36-211 MODIFIED IN SHADE AREAS.
 - SEED ALL OTHER AREAS WITH POLLINATOR PLOT URBAN SE 38-631 NATIVE SEED MIX, COVER CROP AND MULCH.
- WET MEADOW/CARR AND HARDWOOD SWAMP
 - REMOVE INVASIVE SHRUBS (MAINLY BUCKTHORN).
 - CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, PURPLE LOOSESTRIPE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, NONNATIVE CATTAIL, REED CANARY GRASS, AND SMOOTH BROME).
 - SEED WITH RIPARIAN SOUTH AND WEST 34-265, MODIFIED NATIVE SEED MIX, COVER CROP AND MULCH.



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PRINT NAME: SARAH HARDING
SIGNATURE:
DATE: 09/30/2024 LIC. NO. 48972

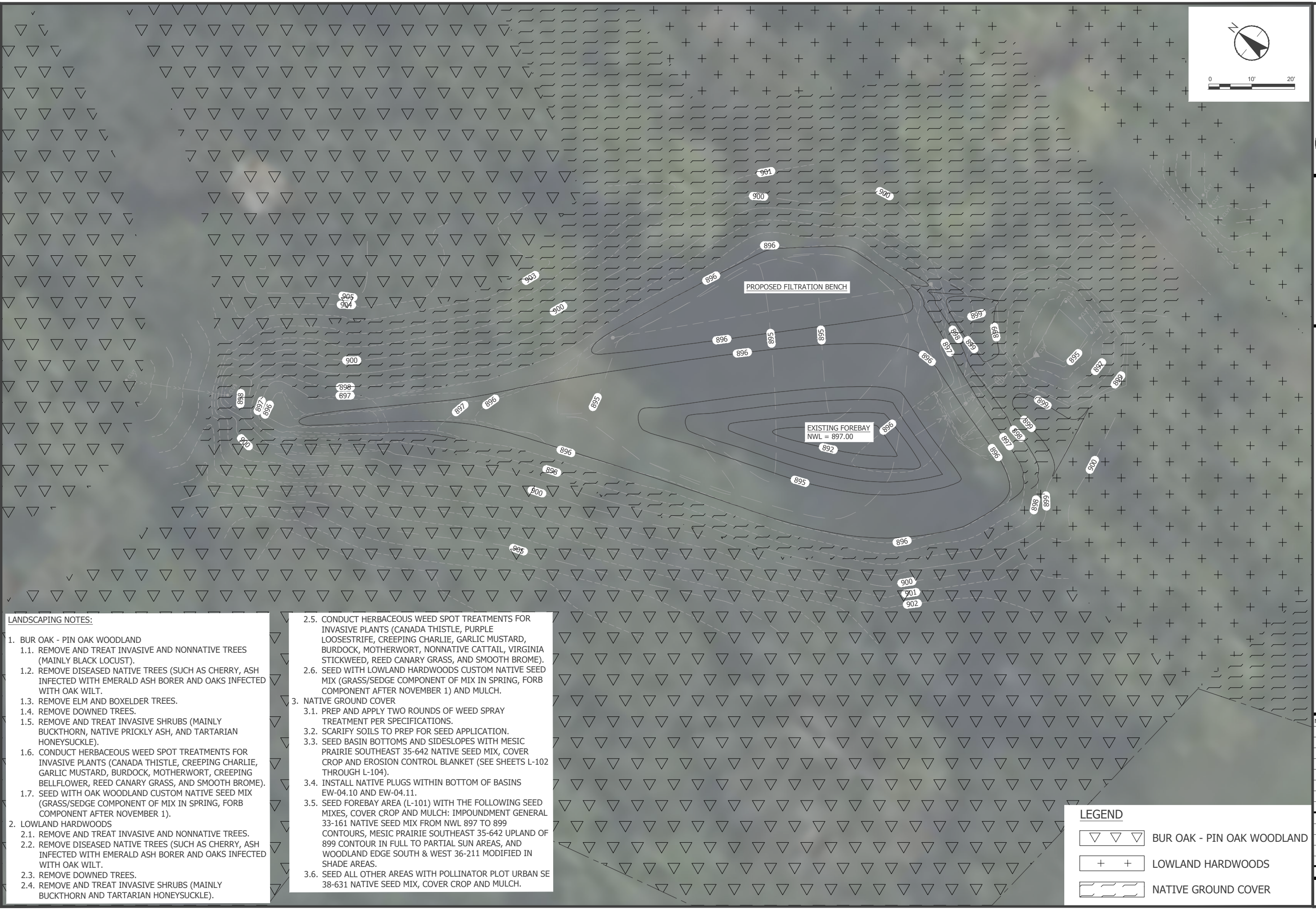
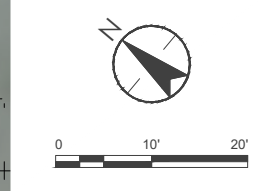
CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
LANDSCAPING PLAN OVERVIEW

NO	REVISION	DATE

SURVEY	JRP
DRAWN	JRP
DESIGNED	XWM
CHECKED	KAS
APPROVED	SEH
PROJ. NO.	193806465
SHEET NUMBER	L-100

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Plot Date: 09/30/2024 - 4:02pm
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 Xref: 193806465_BORDER, 193806465_XREF, 193806465_XSET, 193806465_XST



- LANDSCAPING NOTES:**
1. BUR OAK - PIN OAK WOODLAND
 - 1.1. REMOVE AND TREAT INVASIVE AND NONNATIVE TREES (MAINLY BLACK LOCUST).
 - 1.2. REMOVE DISEASED NATIVE TREES (SUCH AS CHERRY, ASH INFECTED WITH EMERALD ASH BORER AND OAKS INFECTED WITH OAK WILT).
 - 1.3. REMOVE ELM AND BOXELDER TREES.
 - 1.4. REMOVE DOWNED TREES.
 - 1.5. REMOVE AND TREAT INVASIVE SHRUBS (MAINLY BUCKTHORN, NATIVE PRICKLY ASH, AND TARTARIAN HONEYSUCKLE).
 - 1.6. CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, CREEPING BELLFLOWER, REED CANARY GRASS, AND SMOOTH BROME).
 - 1.7. SEED WITH OAK WOODLAND CUSTOM NATIVE SEED MIX (GRASS/SEDGE COMPONENT OF MIX IN SPRING, FORB COMPONENT AFTER NOVEMBER 1).
 2. LOWLAND HARDWOODS
 - 2.1. REMOVE AND TREAT INVASIVE AND NONNATIVE TREES.
 - 2.2. REMOVE DISEASED NATIVE TREES (SUCH AS CHERRY, ASH INFECTED WITH EMERALD ASH BORER AND OAKS INFECTED WITH OAK WILT).
 - 2.3. REMOVE DOWNED TREES.
 - 2.4. REMOVE AND TREAT INVASIVE SHRUBS (MAINLY BUCKTHORN AND TARTARIAN HONEYSUCKLE).

- 2.5. CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, PURPLE LOOSESTRIFE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, NONNATIVE CATTAIL, VIRGINIA STICKWEED, REED CANARY GRASS, AND SMOOTH BROME).
- 2.6. SEED WITH LOWLAND HARDWOODS CUSTOM NATIVE SEED MIX (GRASS/SEDGE COMPONENT OF MIX IN SPRING, FORB COMPONENT AFTER NOVEMBER 1) AND MULCH.
3. NATIVE GROUND COVER
 - 3.1. PREP AND APPLY TWO ROUNDS OF WEED SPRAY TREATMENT PER SPECIFICATIONS.
 - 3.2. SCARIFY SOILS TO PREP FOR SEED APPLICATION.
 - 3.3. SEED BASIN BOTTOMS AND SIDESLOPES WITH MESIC PRAIRIE SOUTHEAST 35-642 NATIVE SEED MIX, COVER CROP AND EROSION CONTROL BLANKET (SEE SHEETS L-102 THROUGH L-104).
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 - 3.6. SEED ALL OTHER AREAS WITH POLLINATOR PLOT URBAN SE 38-631 NATIVE SEED MIX, COVER CROP AND MULCH.

LEGEND

- BUR OAK - PIN OAK WOODLAND
- LOWLAND HARDWOODS
- NATIVE GROUND COVER

Stantec
 733 Marquette Avenue, Suite 1000
 Minneapolis, MN 55402
 www.stantec.com

DATE: 09/30/2024 LIC. NO. 48972

PRINT NAME: SARAH HARDING
 SIGNATURE: *Sarah Harding*

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

CITY OF MOUNDS VIEW, MINNESOTA
 SILVER VIEW POND IMPROVEMENTS
 LANDSCAPING PLAN (1 OF 4)

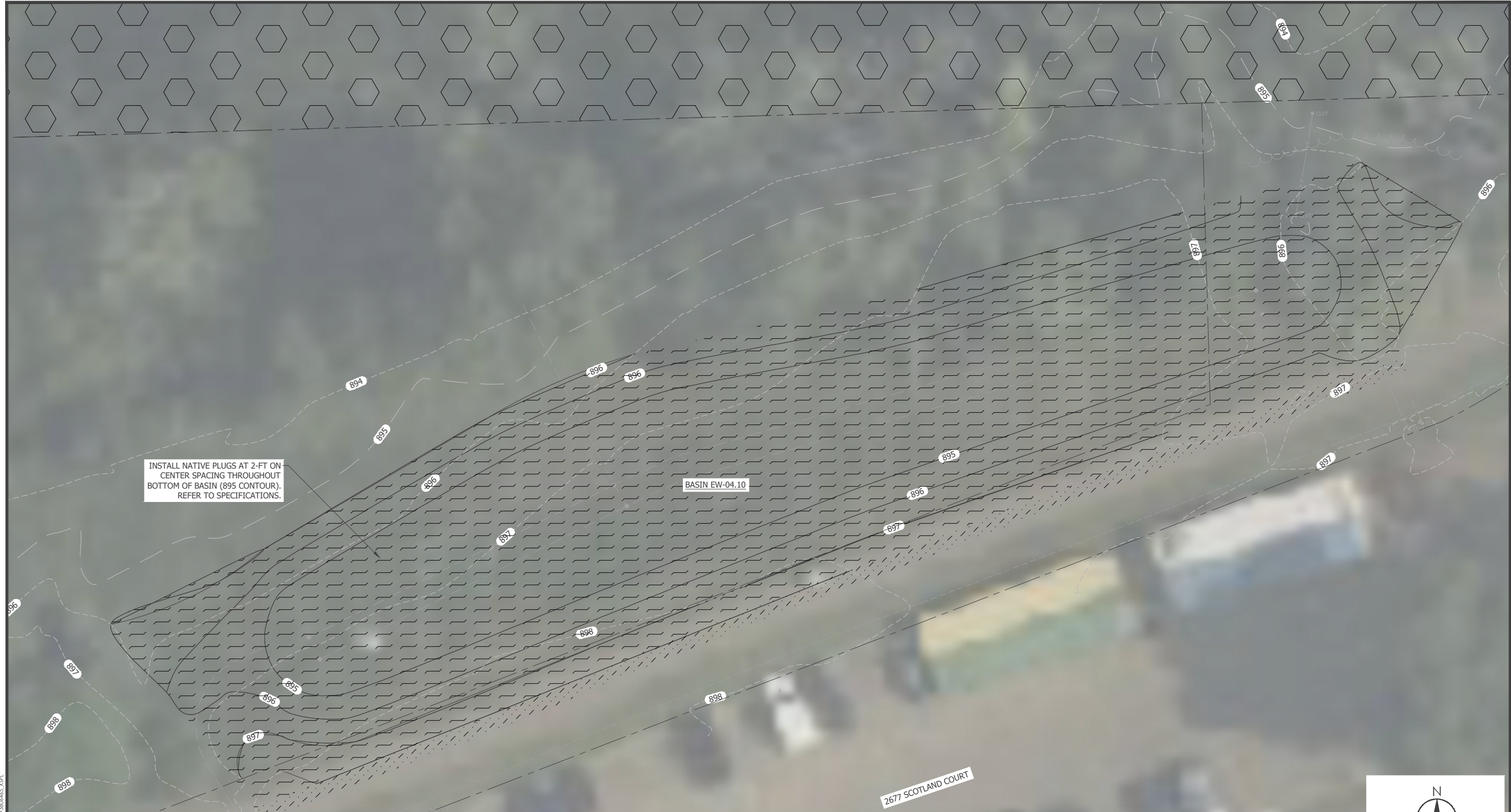
NO.	REVISION	DATE

SURVEY
 DRAWN: JRP
 DESIGNED: XWM
 CHECKED: KAS
 APPROVED: SEH
 PROJ. NO.: 193806465

SHEET NUMBER
L-101

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Plot Date: 09/30/2024 - 4:02pm
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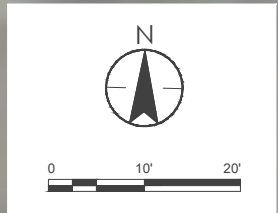


INSTALL NATIVE PLUGS AT 2-FT ON CENTER SPACING THROUGHOUT BOTTOM OF BASIN (895 CONTOUR). REFER TO SPECIFICATIONS.


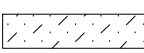
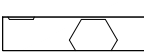
LANDSCAPING NOTES:


1. MOWED NONNATIVE TURF
 - 1.1. SEED ALL DISTURBED TURF AREAS NOT CALLED FOR NATIVE GROUND COVER SEED, WITH MNDOT 25-131 LOW MAINTENANCE TURF.
2. NATIVE GROUND COVER
 - 2.1. PREP AND APPLY TWO ROUNDS OF WEED SPRAY TREATMENT PER SPECIFICATIONS.
 - 2.2. SCARIFY SOILS TO PREP FOR SEED APPLICATION.
 - 2.3. SEED BASIN BOTTOMS AND SIDESLOPES WITH MESIC PRAIRIE SOUTHEAST 35-642 NATIVE SEED MIX, COVER CROP AND EROSION CONTROL BLANKET (SEE SHEETS L-102 THROUGH L-104).
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- 2.6. SEED ALL OTHER AREAS WITH POLLINATOR PLOT URBAN SE 38-631 NATIVE SEED MIX, COVER CROP AND MULCH.
3. WET MEADOW/CARR AND HARDWOOD SWAMP
 - 3.1. REMOVE INVASIVE SHRUBS (MAINLY BUCKTHORN).
 - 3.2. CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, PURPLE LOOSESTRIFE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, NONNATIVE CATTAIL, REED CANARY GRASS, AND SMOOTH BROME).
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LEGEND

-  NATIVE GROUND COVER
-  MOWED NONNATIVE GRASSES & SCATTERED LANDSCAPE TREES
-  WET MEADOW/CARR & HARDWOOD SWAMP

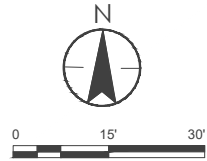
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PRINT NAME: SARAH HARDING
SIGNATURE: 
DATE: 09/30/2024 LIC. NO. 48972

CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
LANDSCAPING PLAN (2 OF 4)

NO	REVISION	DATE

SURVEY	JRP
DRAWN	XWM
CHECKED	KAS
APPROVED	SEH
PROJ. NO.	193806465
SHEET NUMBER	L-102

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SIGNATURE:
DATE: 07/20/2024 LIC. NO. 48972

CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
LANDSCAPING PLAN (3 OF 4)



INSTALL NATIVE PLUGS AT 2-FT ON CENTER SPACING THROUGHOUT BOTTOM OF BASIN (895 CONTOUR). REFER TO SPECIFICATIONS.

LANDSCAPING NOTES:

1. LOWLAND HARDWOODS

- 1.1. REMOVE AND TREAT INVASIVE AND NONNATIVE TREES.
- 1.2. REMOVE DISEASED NATIVE TREES (SUCH AS CHERRY, ASH INFECTED WITH EMERALD ASH BORER AND OAKS INFECTED WITH OAK WILT).
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- 1.6. SEED WITH LOWLAND HARDWOODS CUSTOM NATIVE SEED MIX (GRASS/SEDGE COMPONENT OF MIX IN SPRING, FORB COMPONENT AFTER NOVEMBER 1) AND MULCH.

2. NATIVE GROUND COVER

- 2.1. PREP AND APPLY TWO ROUNDS OF WEED SPRAY TREATMENT PER SPECIFICATIONS.
- 2.2. SCARIFY SOILS TO PREP FOR SEED APPLICATION.
- 2.3. SEED BASIN BOTTOMS AND SIDESLOPES WITH MESIC PRAIRIE SOUTHEAST 35-642 NATIVE SEED MIX, COVER CROP AND EROSION CONTROL BLANKET (SEE SHEETS L-102 THROUGH L-104).
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2655 SCOTLAND COURT

2651 SCOTLAND COURT

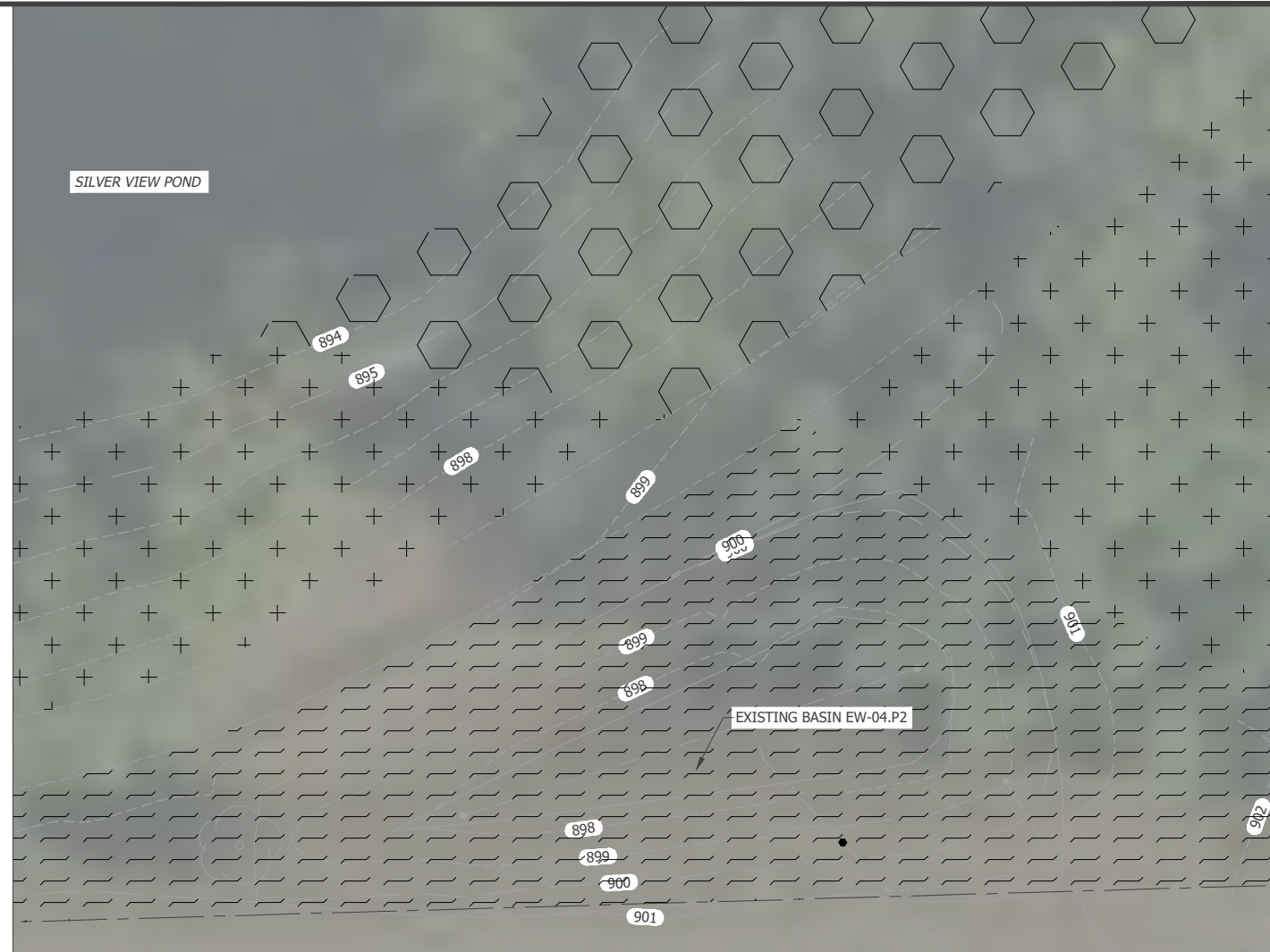
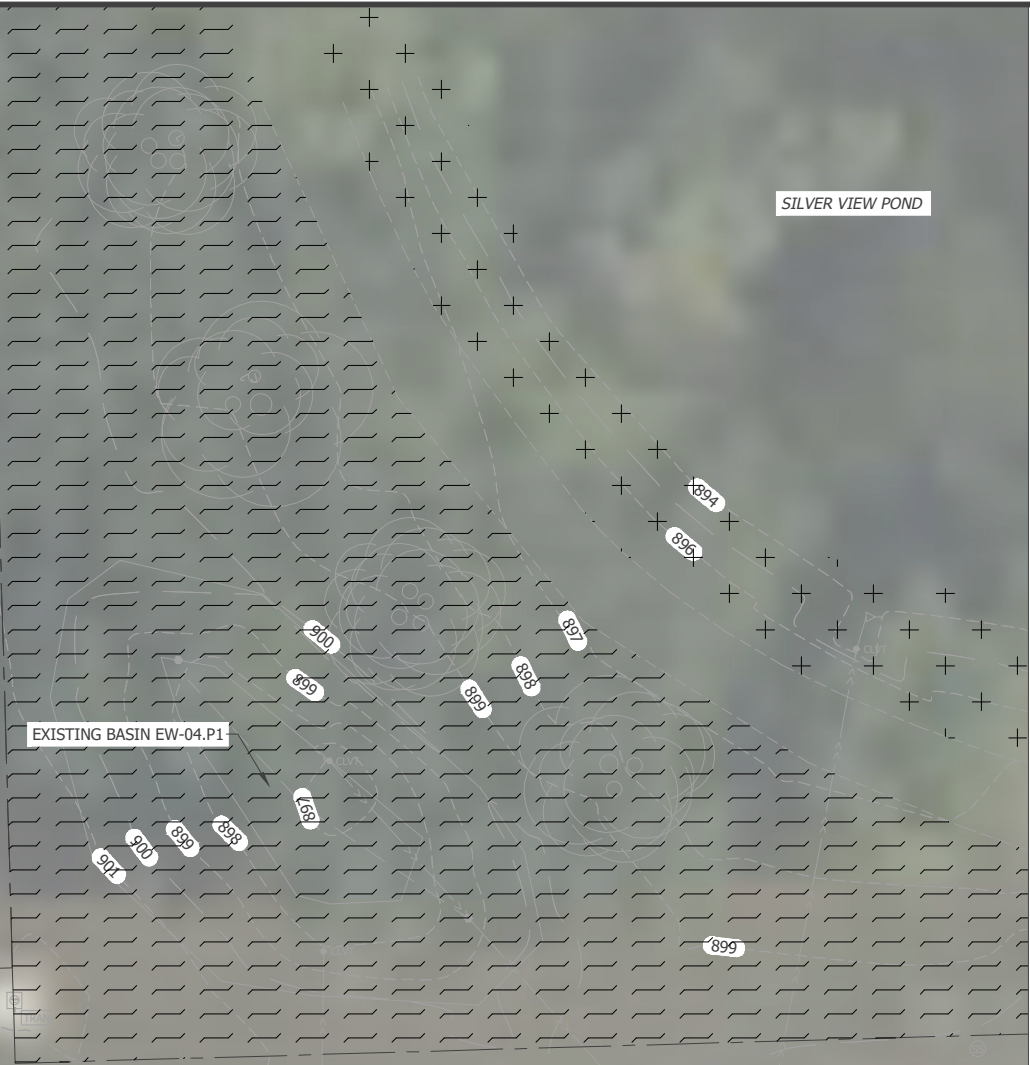
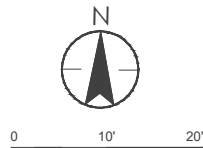
LEGEND

- LOWLAND HARDWOODS
- NATIVE GROUND COVER

NO	REVISION	DATE
SURVEY		JRP
DRAWN		KAS
DESIGNED		SEH
CHECKED		
APPROVED		
PROJ. NO.		193806465
SHEET NUMBER		L-103

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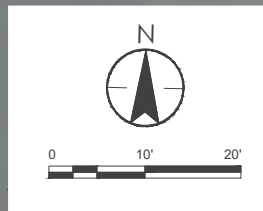


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1. **LOWLAND HARDWOODS**
 - 1.1. REMOVE AND TREAT INVASIVE AND NONNATIVE TREES.
 - 1.2. REMOVE DISEASED NATIVE TREES (SUCH AS CHERRY, ASH INFECTED WITH EMERALD ASH BORER AND OAKS INFECTED WITH OAK WILT).
 - 1.3. REMOVE DOWNED TREES.
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 - 1.5. CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, PURPLE LOOSESTRIFE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, NONNATIVE CATTAIL, VIRGINIA STICKWEED, REED CANARY GRASS, AND SMOOTH BROME).
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3. **WET MEADOW/CARR AND HARDWOOD SWAMP**
 - 3.1. REMOVE INVASIVE SHRUBS (MAINLY BUCKTHORN).
 - 3.2. CONDUCT HERBACEOUS WEED SPOT TREATMENTS FOR INVASIVE PLANTS (CANADA THISTLE, PURPLE LOOSESTRIFE, CREEPING CHARLIE, GARLIC MUSTARD, BURDOCK, MOTHERWORT, NONNATIVE CATTAIL, REED CANARY GRASS, AND SMOOTH BROME).
 - 3.3. SEED WITH RIPARIAN SOUTH AND WEST 34-265, MODIFIED NATIVE SEED MIX, COVER CROP AND MULCH.

LEGEND

- LOWLAND HARDWOODS
- NATIVE GROUND COVER
- WET MEADOW/CARR & HARDWOOD SWAMP



Plot Date: 09/30/2024 - 4:02pm
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CITY OF MOUNDS VIEW, MINNESOTA
SILVER VIEW POND IMPROVEMENTS
 LANDSCAPING PLAN (4 OF 4)

NO	REVISION	DATE

SURVEY	JRP
DRAWN	JRP
DESIGNED	XWM
CHECKED	KAS
APPROVED	SEH
PROJ. NO.	193806465
SHEET NUMBER	L-104



Rice Creek Watershed District Stormwater Management Grant Program 2025 Application Form

I. APPLICANT INFORMATION

Organization (to be named as Grantee): City of New Brighton
Street Address: 803 Old Highway 8 NW
City, State, Zip: New Brighton, MN 55112
Tax Status: Local Government Tax ID#: 9675988
(e.g., local government, non-profit 501(c)(3), private business, etc.)

II. PROJECT CONTACTS

Project Officer: Dustin Lind Financial Officer: Gina Foschi
Title: Engineering Supervisor Title: Director of Finance
Telephone: 651-638-2055 Telephone: 651-638-2105
Fax: 651-638-2044 Fax: 651-638-2044
Email: dustin.lind@newbrightonmn.gov Email: gina.foschi@newbrightonmn.gov

III. PROJECT INFORMATION

Project Name: CP 25-1, 2025 Street Rehabilitation
Location(s) of Project: Violet Lane, Thorndale Avenue (2 Locations)
City: New Brighton State: MN County: Ramsey
Project Start Date: June 2025 Project Completion Date: October 2025
Project Type (check only those that directly apply):
 Water Quality Treatment Project Stormwater Reuse Irrigation Project
 Peak Runoff Rate Control Project Runoff Volume Control / Flood Storage Project
 Other: _____

Is a RCWD Rule C permit required for this project? YES NO UNKNOWN

IV. GRANT REQUEST

RCWD Grant Funding Requested: \$ 28,611
Applicant Match Funding Committed: \$ 28,611
State/Other Funding Committed: \$ _____ Source(s): _____
Total Estimated Project Cost: \$ 57,222
Would you be willing to accept grant funding in an amount less than requested? YES NO

V. SIGNATURE OF APPLICANT

I certify that the information contained within this application is true and accurate.



Signature of Project Officer

12/19/24

Date

VI. Executive Summary / Abstract

Include a brief Executive Summary (100 words or less) that summarizes the main goals and activities of the project and the expected environmental outcomes that will be achieved. Identification of the total amount of funds being requested along with the required match. The summaries will be used in the grant review process and on the RCWD website, for projects that are funded.

The City of New Brighton proposes replacing three existing catch basins with sump catch basins and SAFL Baffles. The selected catch basins are the last downstream drainage structures prior to the storm sewer networks discharging into Rice Creek. This project aims to improve water quality by reducing the amount of sediment and pollutants that cling to the surface area of the sediment that ultimately flow into Rice Creek. This work will be completed in conjunction with our planned 2025 street rehabilitation project in the same neighborhood. The estimated cost for replacement of the three existing catch basins with sump catch basins and SAFL Baffles is \$57,222, with the City of New Brighton requesting a 50% match totaling \$28,611.

VII. Description (10 points)

The RCWD has established guidelines for prioritizing projects based on location. Water quality improvement projects should be located to benefit a RCWD lake classified as either "Protection" or "Restoration" (see Table 2-4 in the RCWD 2020 Watershed Management Plan), and/or a waterbody with an approved Total Maximum Daily Load (TMDL) study or other recognized diagnostic water quality study. Flood storage and runoff rate control projects should focus on reducing peak flood elevations in known regional flood hazard areas and/or documented local problem areas. Describe the specific watershed management, water quality or quantity need(s) that the project will address and its impact on the target water resource within the District.

Name the target waterbody benefiting from this project: Rice Creek

List and describe the Best Management Practices (BMPs) to be incorporated into this project

The SAFL Baffle is a stormwater pretreatment system designed to reduce sediment and associated pollutants in downstream waters. It will be integrated into the new sump catch basins and functions by preventing the scouring action that occurs during high flow events. This action typically dislodges sediment and allows it to settle in the catch basin and be removed by regular maintenance. By halting this process, the SAFL Baffle effectively traps sediment and captures pollutants like phosphorus and mercury that adhere to its surface.

If applicable, describe how the project impacts or protects RCWD groundwater resources, minimizes impervious surfaces, and/or maximizes infiltration.

Provide drawings, maps and/or schematics which graphically illustrate the location and conceptual design of the project. **(Attach separate sheets.)**

Describe how long-term operation and maintenance of the project will be accomplished and identify the individual(s) responsible for maintenance activities if different than the project officer listed in section 2.

The sump catch basins and SAFL Baffles will be inspected monthly through the first summer of operation and will be added to our annual maintenance schedule of structural stormwater bmp's as required by our MS4 permit. Annual maintenance will include measurement and removal of accumulated sediment and debris found in the sump.

VIII. Prioritization (15 points)

How does the project support existing regional planning efforts such as the RCWD Watershed Management Plan, municipal surface water management plans, TMDLs, or other recognized diagnostic studies? Is the project included on the Member Community Project List (Appendix G) within the RCWD Watershed Management Plan? Please provide citations where possible.

Drainage from the project area flows directly into Rice Creek. Capturing sediment in the proposed sump catch basins with SAFL Baffles will improve water quality within Rice Creek and will aid in meeting TSS goals. This is not included on the Member Community Project List.

IX. Targeting (15 points)

Describe the critical pollution or flooding sources and risks addressed by this project. Explain why the proposed project is the most cost-effective and feasible means to attain the expected resource benefits. Has a formal analysis been conducted to substantiate this position?

Sediment is the most common pollutant in rivers, lakes, streams. Sediment pollution causes billions of dollars in environmental damage annually. Once sediment enters our lakes and streams it prevents animals from seeing food and the murky water prevents natural vegetation from growing. Nutrients transported by sediment can activate blue-green algae that reaches our waterways and becomes unmanageable.

See analysis and research summary completed by Upstream Technologies at:
<https://upstreamtechnologies.us/products/safl.shtml>

X. Measurable Outcomes (20 points)

Provide a detailed estimate and description of the anticipated pollutant reduction, stormwater rate/volume reduction, groundwater withdrawal reduction, and/or other environmental or natural resource benefits associated with the project. Describe the methods and cite the sources (i.e. P8 model, HydroCAD, XP-SWMM, MIDS, MN Stormwater Manual, etc.) used to calculate or estimate the pollutant reductions and/or hydrologic outcomes. **(Mandatory for RCWD to consider your proposal!)**

See attached SHSAM calculations

XI. Cost-Effectiveness (20 points)

Provide a detailed budget that lists each item for which funding is being requested. You must also list the sources of required local matching contributions. Why is this the most cost-effective approach to solving the problem? Have other alternatives been explored? **(Attach separate sheets if needed.)**

See attached construction cost estimate. Matching funds will be from the City of New Brighton stormwater utility fund. This is the most cost effective bmp of this type we have installed. The City has previously installed V2B1 treatment systems, however, they require additional structures, excavation, and costs.

XII. Project Readiness (10 points)

Please describe the anticipated timeline for implementing this project. What steps have been taken to ensure that the project can be implemented according to this timeline? Are any permits needed? (If permits are required please cite from what agency and where the project is in that process)

Installation of the proposed sump catch basins with SAFL Baffles will be included with our planned 2025 street rehabilitation project. It is unknown at this time if permitting will be required for the street rehabilitation portion of the project. Staff will continue to engage with RCWD to determine if permitting is required. If a Rule C permit is required additional stormwater management will be incorporated in the project.

XIII. Engagement Opportunities (10 points)

Demonstrate any potential for public engagement, education and demonstration and describe what methods will be used to ensure that the purpose and success of the project are made known to the public. Applicants must incorporate a public engagement component into the project.

Stencils will be installed on the back of the curb at the catch basin locations to educate the public that stormwater drains to Rice Creek. An article will also be included in the city quarterly newsletter highlighting the benefits of the project and the collaboration between RCWD and the city.

Structure 33-45A:

15.6-acre drainage area, 32.7% impervious surface

One 18-inch and one 12-inch inlet pipes

0.95% inlet pipe slope

1500-foot hydraulic length

<i>Structure Diameter (feet)</i>	<i>Sump Depth (feet)</i>	<i>Sediment (TSS) Removal (%)</i>
4	4	38.1
5	5	44.6
6	3	38.5
6	6	50.1
8	6	54.3
10	6	57.6

Structure 33-47A:

5.0-acre drainage area, 28.0% impervious surface

One 12-inch inlet pipe

2.96% inlet pipe slope

850-foot hydraulic length

<i>Structure Diameter (feet)</i>	<i>Sump Depth (feet)</i>	<i>Sediment (TSS) Removal (%)</i>
4	4	39.5
5	5	47.5
6	3	42.1
6	6	53.3
8	6	57.6
10	6	60.7

Structure 33-48A:

2.2-acre drainage area, 22.7% impervious surface

One 12-inch inlet pipe

1.00% inlet pipe slope

560-foot hydraulic length

<i>Structure Diameter (feet)</i>	<i>Sump Depth (feet)</i>	<i>Sediment (TSS) Removal (%)</i>
4	4	56.2
5	5	63.0
6	3	58.2
6	6	68.0
8	6	71.5
10	6	74.1



**PATENT
PROTECTED**



600 County Road D West, Suite 14
New Brighton, Minnesota 55112
www.upstreamtechnologies.us
651-237-5123

STORMWATER SEDIMENT SOLUTION

The most cost-effective sediment capture & retention device
20-Year Guarantee

SAFL Baffle is a fraction of the cost of hydro-dynamic separators with 10 times the flow rate

Typical comparison found on over 1,000 projects

SAFL Baffle	Hydrodynamic Separators
<p>Cost: \$5,200</p> <p>TSS Removal: 84%</p> <p>By-Pass Flow Rate: 80 CFS</p> <p>Materials: All Stainless Steel</p> <p>Full Guarantee: 20 Years</p>	<p>Cost: \$24,000</p> <p>TSS Removal: 85%</p> <p>By-Pass Flow Rate: 8 CFS</p> <p>Materials: Plastic in Concrete</p> <p>Guarantee: ?</p>
<p>Operates by stopping the natural vortex</p> <p><i>The SAFL Baffle stops the natural vortex, dissipating hydro energy and causing sediment to drop to the bottom of the sump. As sediment collects, the SAFL Baffle prevents scouring and resuspension, retaining all previously captured sediment, even during high-flow storm events up to 80 cubic feet per second.</i></p>	<p>Operates by creating a vortex</p> <p><i>Hydro Dynamic Separators operate with flows between 2 to 8 cubic feet per second. At greater flows, stormwater bypasses the device and does not capture any sediment.</i></p> <p><i>Internal plastic parts often vibrate and break.</i></p>

SAFL Baffle installs in standard sump structures



All parts fit through a standard manhole for new or retrofit projects





Patent Protected

8,715,507B2
8,663,466B2
9,506,237B2
CA2742207



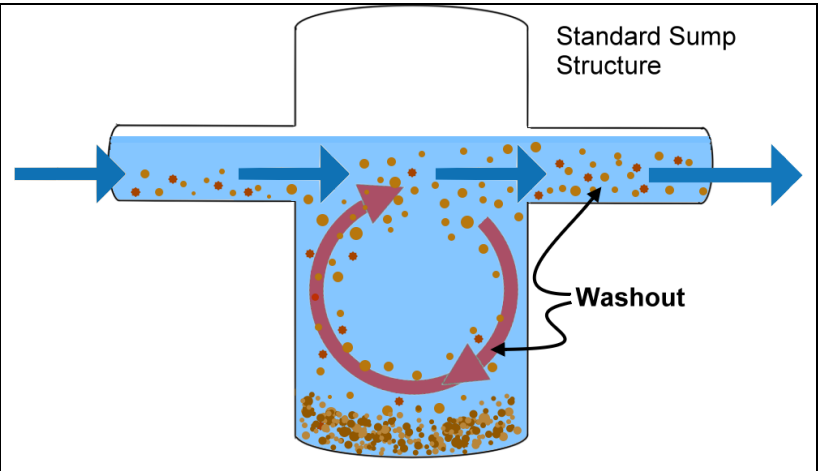
600 County Road D West, Suite 14
New Brighton, Minnesota 55112
www.upstreamtechnologies.us
651-237-5123

The Problem:

Standard sump structures alone can capture up to 30%* TSS

The problem is “Washout”. During high flow events, vortex action scours the sump clean, washing out previously captured sediment.

Sediment devices must be tested for both Capture and Retention (Washout) or the overall performance of the device is unknown.



* TSS (Total Suspended Solids) percentage is calculated based on sump size, pipe diameters, drainage area & rainfall

Capture and Retention

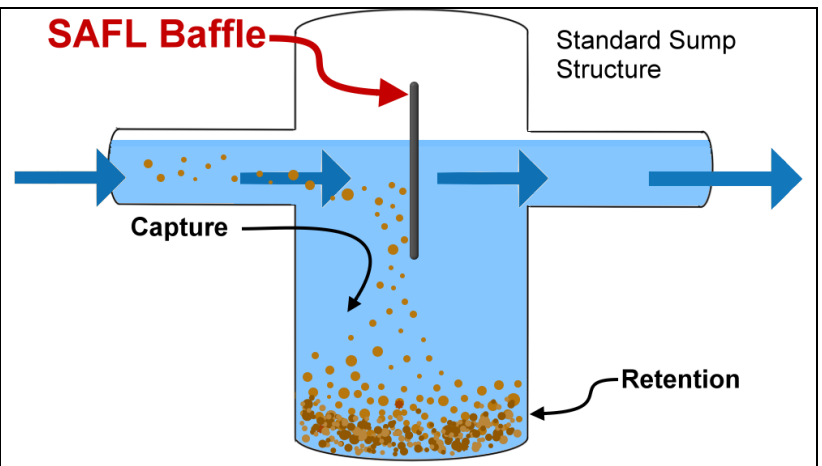
Both capture and retention, at high flow rates, are required to adequately manage sediment.

What good is a sediment capture device, if the previously captured sediment washes out during a heavy storm?

With the SAFL Baffle installed in a standard sump structure, sediment capture and ability to retain this captured sediment, exceeds 80%

Vortex action is stopped, and **washout does not occur.**

Both capture and retention are required. **The SAFL Baffle provides both.**



Retrofittable – Can be installed in existing sump structures with a 24-inch minimum opening.

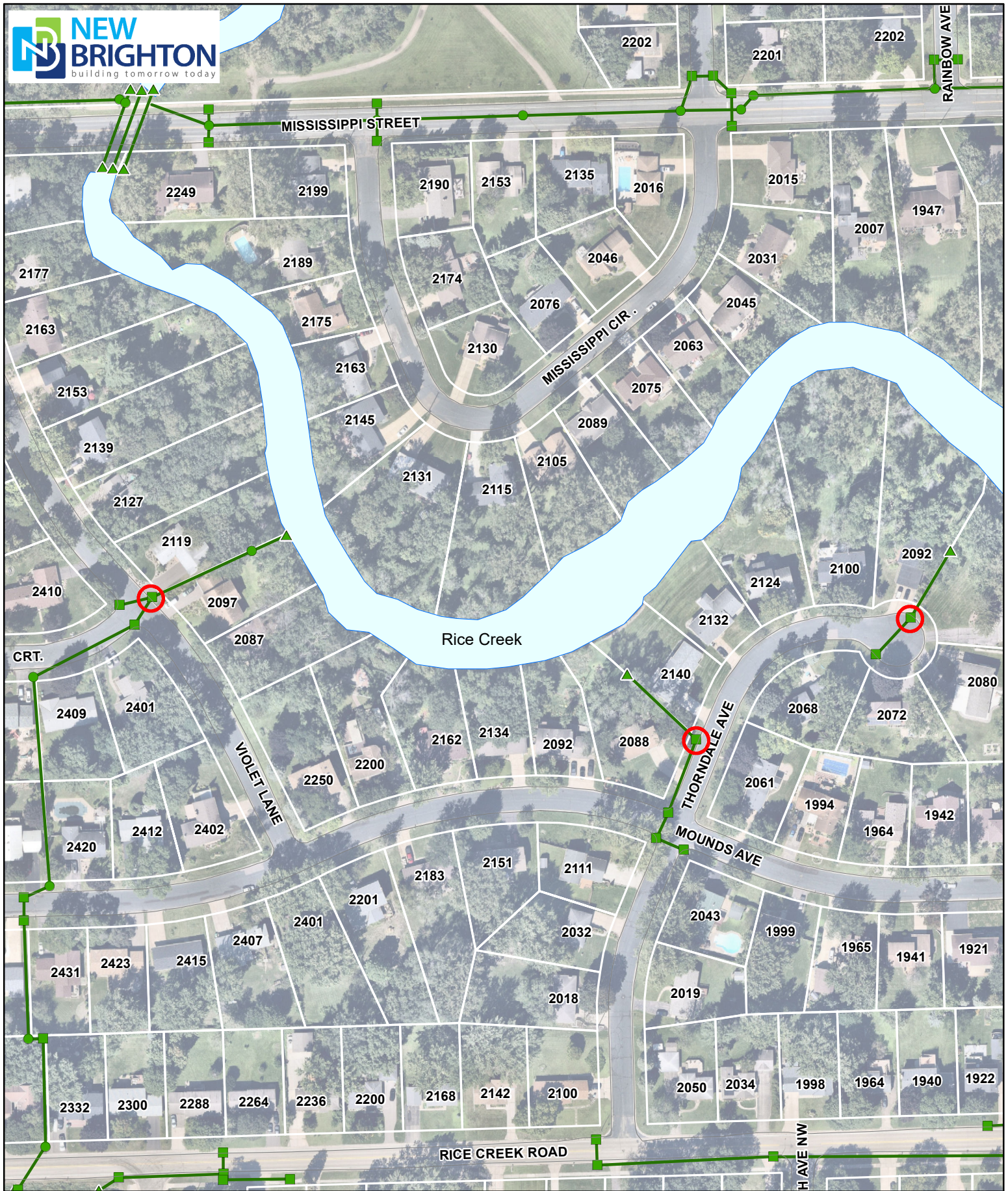
View a video demonstration: upstreamtechnologies.us/products/safl.shtml

The SAFL Baffle is a patented device and may not be reproduced.

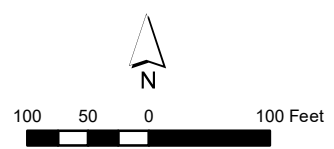
US Patents: 8,715,507B2, 8,663,466B2 and US 9,506,237B2 and Canada: # 2742207

www.upstreamtechnologies.us

April 3, 2019



- Storm Manhole
- Catch Basin
- ▲ Apron
- Storm Sewer
- Proposed Sump Catch Basin w/ SAFL Baffle



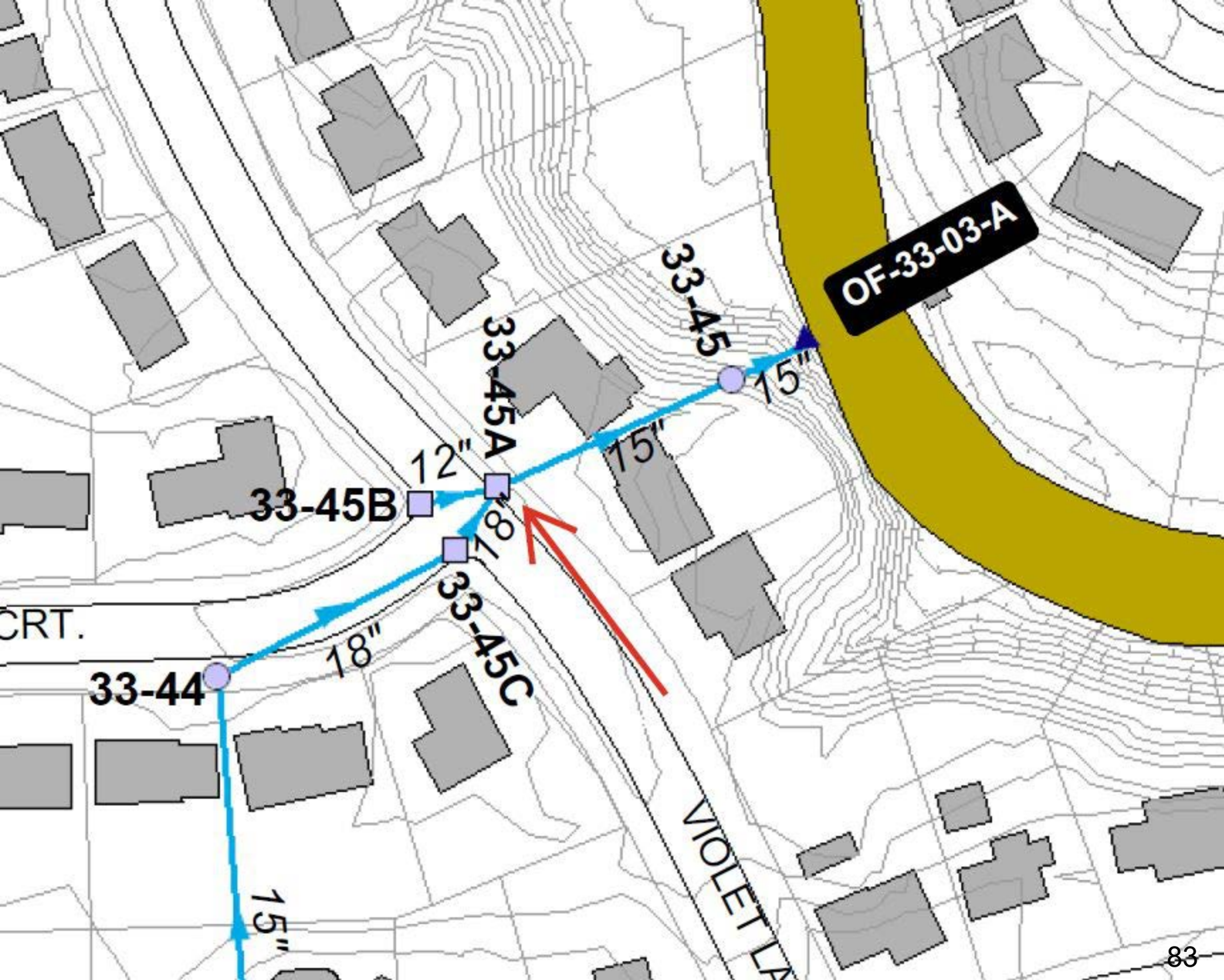
OF-33-04-A

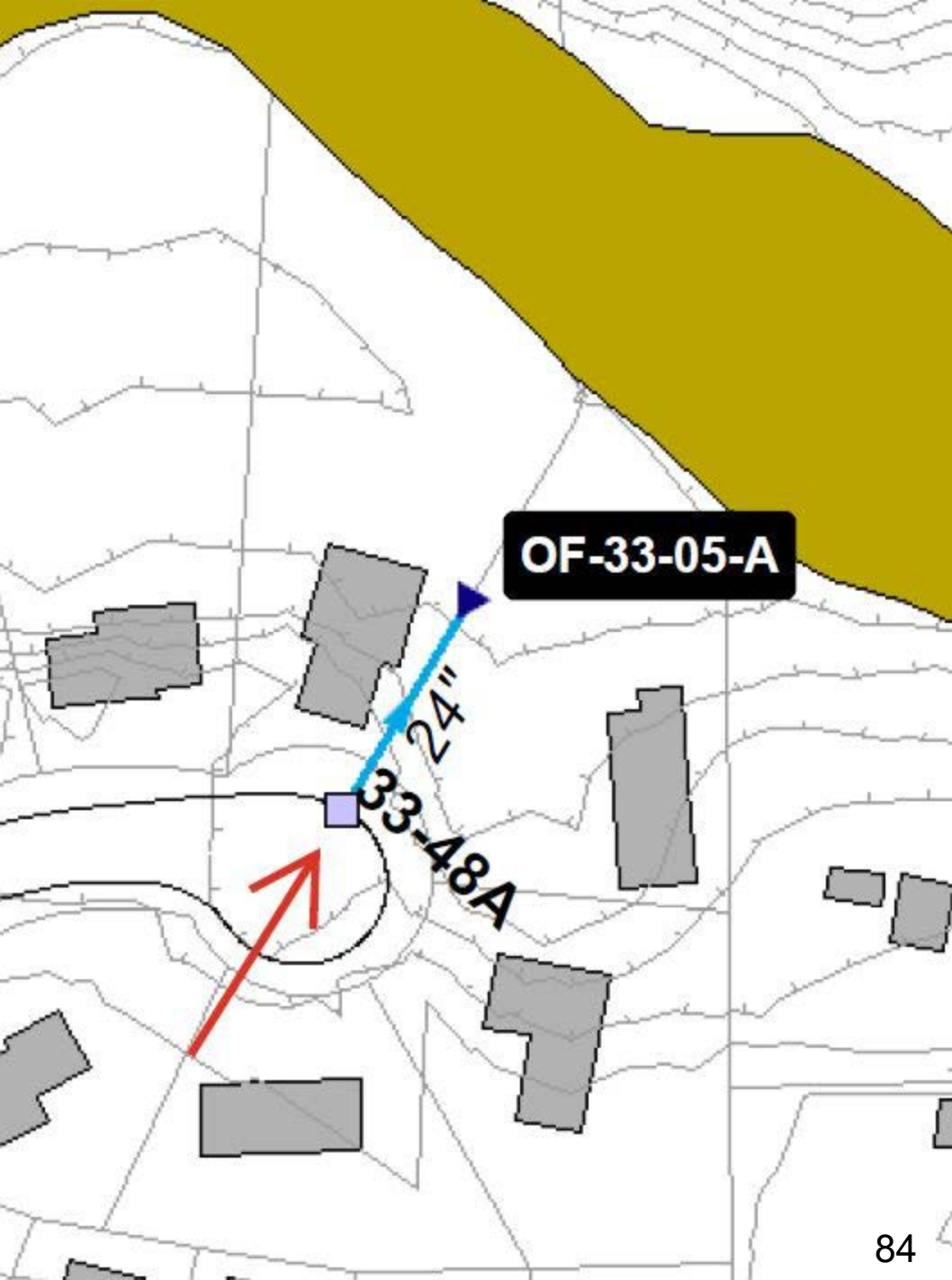
12"
33-47A
33-47B

33-47C

THORNDALE AVE

33-47D





OF-33-05-A

24'
33-48A



Rice Creek Watershed District Stormwater Management Grant Program 2025 Application Form

I. APPLICANT INFORMATION

Organization (to be named as Grantee): _____

Street Address: _____

City, State, Zip: _____

Tax Status: _____ Tax ID#: _____

(e.g., local government, non-profit 501(c)(3), private business, etc.)

II. PROJECT CONTACTS

Project Officer: _____ Financial Officer: _____

Title: _____ Title: _____

Telephone: _____ Telephone: _____

Fax: _____ Fax: _____

Email: _____ Email: _____

III. PROJECT INFORMATION

Project Name: _____

Location(s) of Project: _____

City: _____ State: _____ County: _____

Project Start Date: _____ Project Completion Date: _____

Project Type (check only those that directly apply):

- Water Quality Treatment Project Stormwater Reuse Irrigation Project
 Peak Runoff Rate Control Project Runoff Volume Control / Flood Storage Project
 Other: _____

Is a RCWD Rule C permit required for this project? YES NO UNKNOWN

IV. GRANT REQUEST

RCWD Grant Funding Requested: \$ _____

Applicant Match Funding Committed: \$ _____

State/Other Funding Committed: \$ _____ Source(s): _____

Total Estimated Project Cost: \$ _____

Would you be willing to accept grant funding in an amount less than requested? YES NO

V. SIGNATURE OF APPLICANT

I certify that the information contained within this application is true and accurate.

Signature of Project Officer

12-16-2024

Date

VI. Executive Summary / Abstract

Include a brief Executive Summary (100 words or less) that summarizes the main goals and activities of the project and the expected environmental outcomes that will be achieved. Identification of the total amount of funds being requested along with the required match. The summaries will be used in the grant review process and on the RCWD website, for projects that are funded.

VII. Description (10 points)

The RCWD has established guidelines for prioritizing projects based on location. Water quality improvement projects should be located to benefit a RCWD lake classified as either “Protection” or “Restoration” (see Table 2-4 in the RCWD 2020 Watershed Management Plan), and/or a waterbody with an approved Total Maximum Daily Load (TMDL) study or other recognized diagnostic water quality study. Flood storage and runoff rate control projects should focus on reducing peak flood elevations in known regional flood hazard areas and/or documented local problem areas. Describe the specific watershed management, water quality or quantity need(s) that the project will address and its impact on the target water resource within the District.

Name the target waterbody benefitting from this project: _____

List and describe the Best Management Practices (BMPs) to be incorporated into this project

If applicable, describe how the project impacts or protects RCWD groundwater resources, minimizes impervious surfaces, and/or maximizes infiltration.

Provide drawings, maps and/or schematics which graphically illustrate the location and conceptual design of the project. **(Attach separate sheets.)**

Describe how long-term operation and maintenance of the project will be accomplished and identify the individual(s) responsible for maintenance activities if different than the project officer listed in section 2.

VIII. Prioritization (15 points)

How does the project support existing regional planning efforts such as the RCWD Watershed Management Plan, municipal surface water management plans, TMDLs, or other recognized diagnostic studies? Is the project included on the Member Community Project List (Appendix G) within the RCWD Watershed Management Plan? Please provide citations where possible.

IX. Targeting (15 points)

Describe the critical pollution or flooding sources and risks addressed by this project. Explain why the proposed project is the most cost-effective and feasible means to attain the expected resource benefits. Has a formal analysis been conducted to substantiate this position?

X. Measurable Outcomes (20 points)

Provide a detailed estimate and description of the anticipated pollutant reduction, stormwater rate/volume reduction, groundwater withdrawal reduction, and/or other environmental or natural resource benefits associated with the project. Describe the methods and cite the sources (i.e. P8 model, HydroCAD, XP-SWMM, MIDS, MN Stormwater Manual, etc.) used to calculate or estimate the pollutant reductions and/or hydrologic outcomes. **(Mandatory for RCWD to consider your proposal!!)**

Describe the strategy for monitoring and/or evaluating the results or effectiveness of the project, including how success will be defined and measured. This should include a timeline of when regular inspections will be made for at least the next 10 years following completion of the project. Applicants who receive grant funding will also be required to submit an annual written report that summarizes the maintenance and monitoring work undertaken to maintain functionality.

XI. Cost-Effectiveness (20 points)

Provide a detailed budget that lists each item for which funding is being requested. You must also list the sources of required local matching contributions. Why is this the most cost-effective approach to solving the problem? Have other alternatives been explored? **(Attach separate sheets if needed.)**

XII. Project Readiness (10 points)

Please describe the anticipated timeline for implementing this project. What steps have been taken to ensure that the project can be implemented according to this timeline? **Are any permits needed?** (If permits are required please cite from what agency and where the project is in that process)

XIII. Engagement Opportunities (10 points)

Demonstrate any potential for public engagement, education and demonstration and describe what methods will be used to ensure that the purpose and success of the project are made known to the public. Applicants must incorporate a public engagement component into the project.

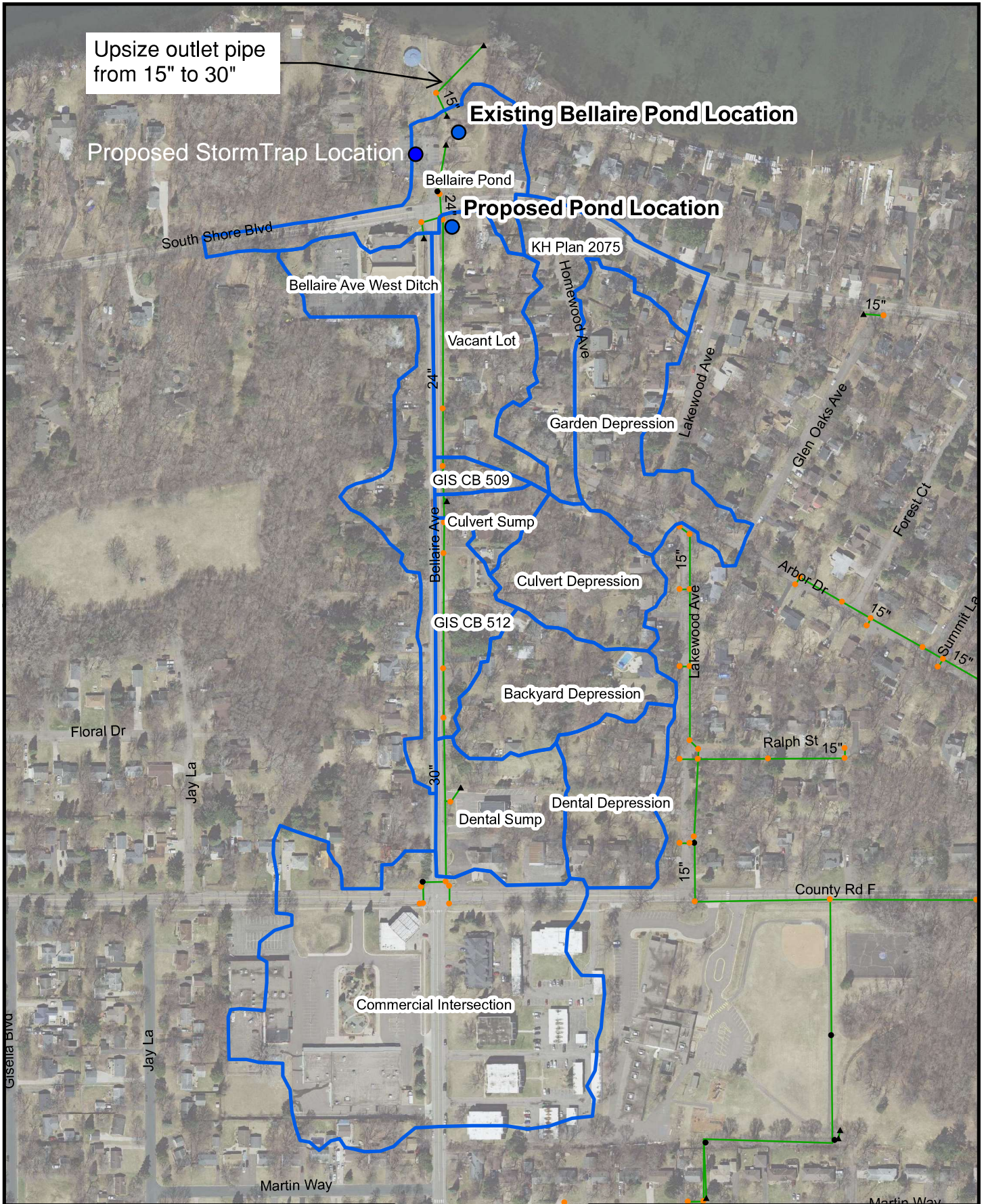
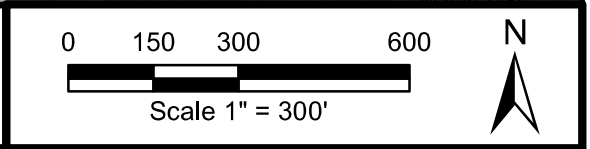


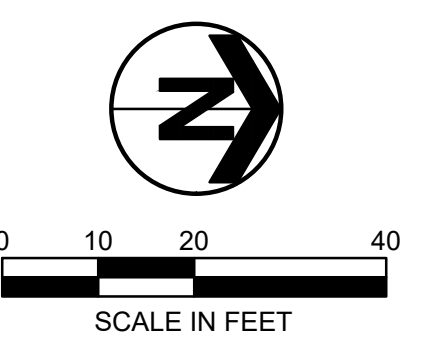
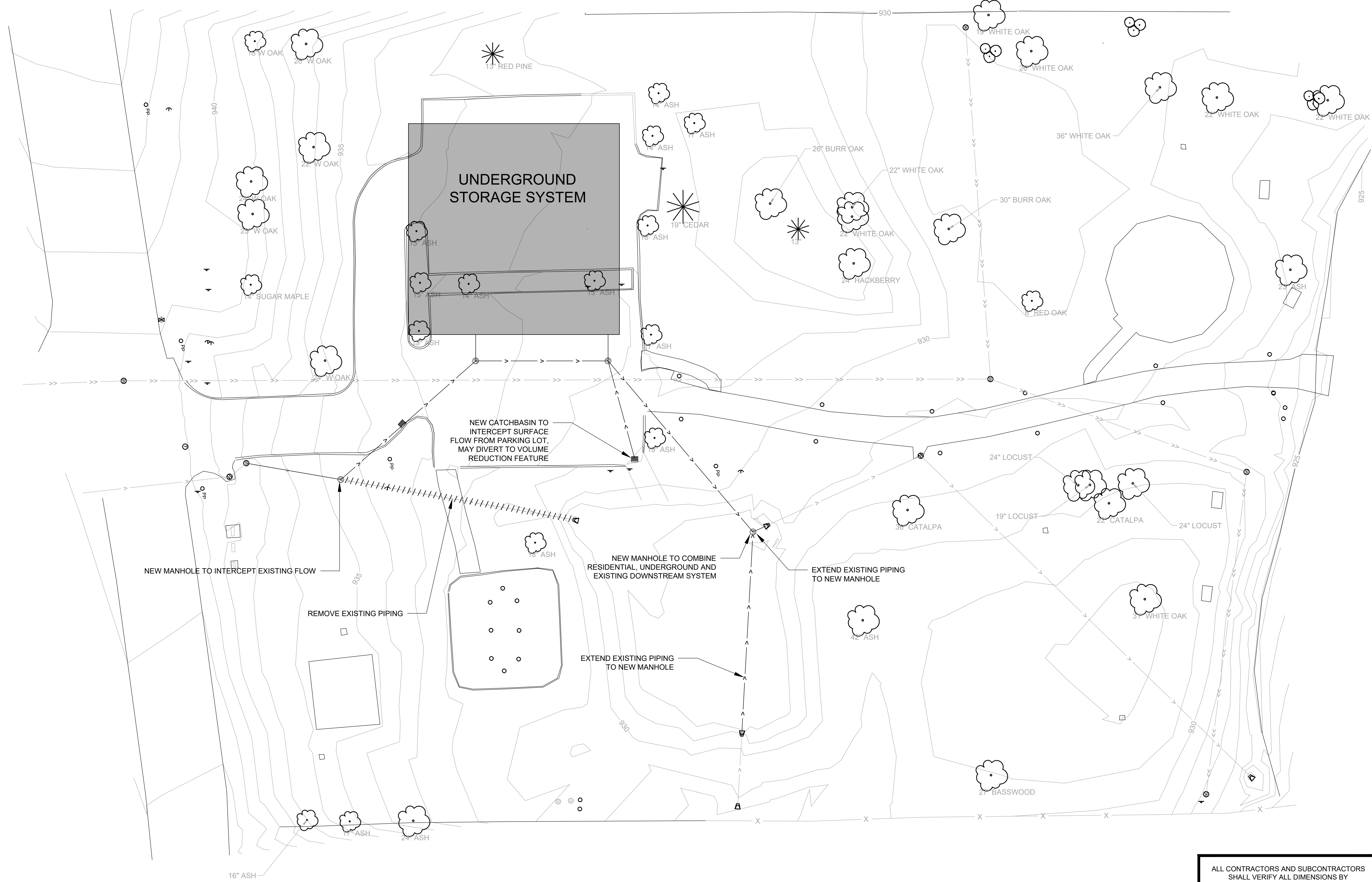
Figure 1: Drainage Area Map

Date: 05/25/2022
 By: RJH
 Check:



LEGEND

- ⊙ SANITARY MANHOLE
- ⊖ STORM MANHOLE
- ⊕ CATCH BASIN
- △ STORM APRON
- PP POWER POLE
- ⊙ MW MONITORING WELL
- ⊕ WV WATER VALVE
- ⊠ SIGN
- POST
- D DECIDUOUS TREE
- ⊠ E EVERGREEN TREE
- > SANITARY PIPE
- > STORM PIPE
- X- FENCE



PLOT DATE: Oct 08, 2019, 10:47am
 FILENAME: K:\p\whitebear\wp1712701304_Production01_CAD03_Conceptstormwater concept.dwg

NO.	DATE	BY	DESCRIPTION OF REVISIONS
###	###	###	###
###	###	###	###
###	###	###	###
###	###	###	###

DESIGNED: #####
 DRAWN: #####
 CHECKED: #####

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED UNDER THE LAWS OF THE STATE OF ####.

SIGNATURE: _____ DATE: ####
 NAME: ##### LIC. NO.: #####

TKDA

444 Cedar Street, Suite 1500
 Saint Paul, MN 55101
 651.292.4400
 tkda.com

#####

ALL CONTRACTORS AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS BY MEASUREMENT AT THE BUILDING AND/OR SITE.

0 10 20 40
 BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS DRAWING ADJUST SCALES ACCORDINGLY.

PROJ. NO. #####
 DRAWING NO. #####

**BELLAIRE BEACH PARK STORMTRAP DETENTION SYSTEM
WHITE BEAR TOWNSHIP
ENGINEER'S PRELIMINARY ESTIMATE OF COST**

DRAINAGE IMPROVEMENTS

1	LS	MOBILIZATION	\$	30,000
1	LS	SITE EROSION CONTROL	\$	4,000
957	CY	COMMON EXCAVATION	\$	33,495
260	LF	18" RC PIPE SEWER	\$	21,216
110	LF	30" RC PIPE SEWER	\$	10,890
6	EA	DRAINAGE STRUCTURE (60" DIA. MH)	\$	48,000
15,030	CF	STORMTRAP DETENTION SYSTEM	\$	211,472
CONSTRUCTION COST			\$	359,070
+10% CONTINGENCIES			\$	35,907
SUBTOTAL WITH CONTINGENCIES			\$	394,977
ENGINEERING, LEGAL, FISCAL, AND ADMINISTRATION (20%)			\$	79,020
SUBTOTAL WITH ENGINEERING, LEGAL, FISCAL, AND ADMINISTRATION			\$	473,997
TOTAL ESTIMATED PROJECT COST			\$	474,000
RCWD COST-SHARE FUNDS REQUESTED			\$	237,000

The estimated costs are according to average prices received on similar projects in other areas. The actual costs for this project will be determined through a bidding process and can vary with market conditions at the time of the bid.

December 6, 2024

Rice Creek Watershed District
4325 Pheasant Ridge Drive NE #611
Blaine, MN 55449

Dear District Staff:

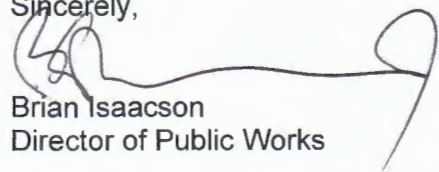
White Bear Township is seeking funding from the 2025 Rice Creek Watershed District Stormwater Management Grant Program. The Township wishes to secure funds to construct drainage improvements at Bellaire Beach Park to eliminate the overtopping of the park's existing stormwater pond directly into White Bear Lake. The current condition creates maintenance and safety concerns and contributes to the degradation of the water quality of White Bear Lake.

The Township has previously received funding from Rice Creek Watershed District to support the Township's efforts to expand the existing pond and make other water quality improvements. It is anticipated that the pond expansion will be constructed in 2025. This application for year 2025 funding is to complete the drainage system improvements by constructing an underground stormwater storage facility that will retain stormwater and, prevent overtopping up to the 100-year storm event and protect water quality. After the construction of the underground stormwater storage facility, the Township will reconstruct the parking lot.

Contributing drainage to this stormwater system includes County Road F East and Bellaire Avenue, both of which are currently under the jurisdictional authority of Ramsey County. As such, Ramsey County Public Works supports this application for funding to construct drainage improvements that will improve stormwater management and protect the water quality of White Bear Lake.

If you have any questions, please contact me at 651-266-7115 or brian.isaacson@co.ramsey.mn.us

Sincerely,



Brian Isaacson
Director of Public Works

C: Patrick Christopherson, White Bear Township



City of White Bear Lake

4701 Highway 61 N.
White Bear Lake, Minnesota 55110
651-429-8531 | www.whitebearlake.org

December 13, 2024

Rice Creek Watershed District
4325 Pheasant Ridge Drive NE #611
Blaine, MN 55449

Dear District Staff:

White Bear Township is seeking funding from the 2025 Rice Creek Watershed District Stormwater Management Grant Program. The Township wishes to secure funds to construct drainage improvements at Bellaire Park to eliminate the overtopping of the park's existing stormwater pond directly into White Bear Lake. The current condition creates maintenance, and safety concerns and contributes to the degradation of water quality of White Bear Lake.

The Township has previously received funding from Rice Creek Watershed District to support the Township's efforts to expand the existing pond and make other water quality improvements. It is anticipated that the pond expansion will be constructed in 2025. This application for year 2025 funding is to complete the drainage system improvements by constructing an underground stormwater storage facility which will retain stormwater and prevent overtopping up to the 100-year storm event and protect water quality. After construction of the underground stormwater storage facility, the Township will reconstruct the parking lot.

White Bear Lake is an important natural resource for the City of White Bear Lake and for the region. Protecting the water quality of this asset through proper stormwater management practices is critical. As such, the City of White Bear Lake supports this application for funding to construct drainage improvements that will improve stormwater management and protect the water quality of White Bear Lake.

If you have any questions, please contact me at 651-429-8563 or pkauppi@whitebearlake.org.

Sincerely,

Paul Kauppi, P.E.
Director of Public Works/City Engineer









Rice Creek Watershed District Stormwater Management Grant Program 2025 Application Form

I. APPLICANT INFORMATION

Organization (to be named as Grantee): White Bear Township
 Street Address: 1281 Hammond Road
 City, State, Zip: White Bear Township, MN 55110
 Tax Status: Local Government Tax ID#: 41-6005642
(e.g., local government, non-profit 501(c)(3), private business, etc.)

II. PROJECT CONTACTS

Project Officer: Patrick Christopherson Financial Officer: Tom Kelly
 Title: Clerk/Treasurer Title: Finance Officer
 Telephone: 651.747.2768 Telephone: 651.747.2757
 Fax: 651.426.2258 Fax: 651.426.2258
 Email: pat.christopherson@whitebeartownship.org Email: tom.kelly@whitebeartownship.org

III. PROJECT INFORMATION

Project Name: Silver Fox Area SAFL Baffles
 Location(s) of Project: _____
 City: White Bear Township State: MN County: Ramsey
 Project Start Date: May, 2025 Project Completion Date: November, 2025
 Project Type (check only those that directly apply):
 Water Quality Treatment Project Stormwater Reuse Irrigation Project
 Peak Runoff Rate Control Project Runoff Volume Control / Flood Storage Project
 Other: _____
 Is a RCWD Rule C permit required for this project? YES NO UNKNOWN

IV. GRANT REQUEST

RCWD Grant Funding Requested: \$ 73,250
 Applicant Match Funding Committed: \$ 73,250
 State/Other Funding Committed: \$ _____ Source(s): _____
 Total Estimated Project Cost: \$ 146,500
 Would you be willing to accept grant funding in an amount less than requested? YES NO

V. SIGNATURE OF APPLICANT

I certify that the information contained within this application is true and accurate.

Signature of Project Officer

12-19-24

Date

VI. Executive Summary / Abstract

Include a brief Executive Summary (100 words or less) that summarizes the main goals and activities of the project and the expected environmental outcomes that will be achieved. Identification of the total amount of funds being requested along with the required match. The summaries will be used in the grant review process and on the RCWD website, for projects that are funded.

The project proposes to install sump manholes with SAFL Baffles to capture sediment and debris in three locations of White Bear Township's Silver Fox neighborhood: Jenni Lane, Suzanne Circle and Buffalo Street. Stormwater facilities in these areas outlet to the wetland located east of the project. The drainage is then conveyed through a ditch to Bald Eagle Lake. Please see the attached map.

VII. Description (10 points)

The RCWD has established guidelines for prioritizing projects based on location. Water quality improvement projects should be located to benefit a RCWD lake classified as either "Protection" or "Restoration" (see Table 2-4 in the RCWD 2020 Watershed Management Plan), and/or a waterbody with an approved Total Maximum Daily Load (TMDL) study or other recognized diagnostic water quality study. Flood storage and runoff rate control projects should focus on reducing peak flood elevations in known regional flood hazard areas and/or documented local problem areas. Describe the specific watershed management, water quality or quantity need(s) that the project will address and its impact on the target water resource within the District.

Name the target waterbody benefiting from this project: Bald Eagle Lake

List and describe the Best Management Practices (BMPs) to be incorporated into this project

Bald Eagle Lake is listed as impaired for Hg in Fish Tissue and Excess Nutrients RCWD 2020 Watershed Management Plan Table 2-4). SAFL Baffles reduce up to 55% in deposition of total suspended solids in downstream water bodies . (Source: Minnesota Department of Natural Resources) and removes sediment from stormwater and the harmful chemicals (such as phosphorus) that cling to the surface area of sediment.

If applicable, describe how the project impacts or protects RCWD groundwater resources, minimizes impervious surfaces, and/or maximizes infiltration.

Not applicable

Provide drawings, maps and/or schematics which graphically illustrate the location and conceptual design of the project. **(Attach separate sheets.)**

Describe how long-term operation and maintenance of the project will be accomplished and identify the individual(s) responsible for maintenance activities if different than the project officer listed in section 2.

White Bear Township Public Works staff will be responsible for maintenance of the SAFL Baffles. Annual inspection activities include up two visual inspections and removal of debris with a vactor truck followed by a jet wash of the baffle.

VIII. Prioritization (15 points)

How does the project support existing regional planning efforts such as the RCWD Watershed Management Plan, municipal surface water management plans, TMDLs, or other recognized diagnostic studies? Is the project included on the Member Community Project List (Appendix G) within the RCWD Watershed Management Plan? Please provide citations where possible.

Section 4.2.5 Water Quality Grant Program: Implement innovative water quality improvements to address sites with limited land area for conventional means to control the volume and rate runoff.

Section 4.2.10 Municipal Capital Improvements: Collaborate with partners to provide funding water quality projects.

Section 4.2.14 Watershed Communication and Outreach Program: Share information about infrastructure to inform the public.

Section 5.3.1 Bald Eagle Lake Water Management District and TMDL supports projects that manage or improve the lake water quality including stormwater management and treatment.

IX. Targeting (15 points)

Describe the critical pollution or flooding sources and risks addressed by this project. Explain why the proposed project is the most cost-effective and feasible means to attain the expected resource benefits. Has a formal analysis been conducted to substantiate this position?

The Silver Fox Area is an established neighborhood with pavement condition ratings in poor condition. Underground storm water treatment structures such as SAFL baffles are the most cost effective and feasible solution for stormwater treatment due to the limited availability of right of way.

X. Measurable Outcomes (20 points)

Provide a detailed estimate and description of the anticipated pollutant reduction, stormwater rate/volume reduction, groundwater withdrawal reduction, and/or other environmental or natural resource benefits associated with the project. Describe the methods and cite the sources (i.e. P8 model, HydroCAD, XP-SWMM, MIDS, MN Stormwater Manual, etc.) used to calculate or estimate the pollutant reductions and/or hydrologic outcomes. **(Mandatory for RCWD to consider your proposal!)**

The University of Minnesota's St. Anthony Falls Laboratory has tested these facilities for effectiveness in removing total suspended solids and sediments during low flow conditions. No independent analysis has been completed.

XI. Cost-Effectiveness (20 points)

Provide a detailed budget that lists each item for which funding is being requested. You must also list the sources of required local matching contributions. Why is this the most cost-effective approach to solving the problem? Have other alternatives been explored? **(Attach separate sheets if needed.)**

See attached budget.

This is the most cost effective approach given the maturity of the neighborhood and the lack of available land to construct other water quality features.

White Bear Township will estimate the TSS removal annually based on the amount removed when the sumps are vacuumed and cleaned. RCWD will continue to monitor the water quality of Bald Eagle Lake to evaluate the success of the project.

XII. Project Readiness (10 points)

Please describe the anticipated timeline for implementing this project. What steps have been taken to ensure that the project can be implemented according to this timeline? Are any permits needed? (If permits are required please cite from what agency and where the project is in that process)

White Bear Township has adequate funding for its portion of the project.

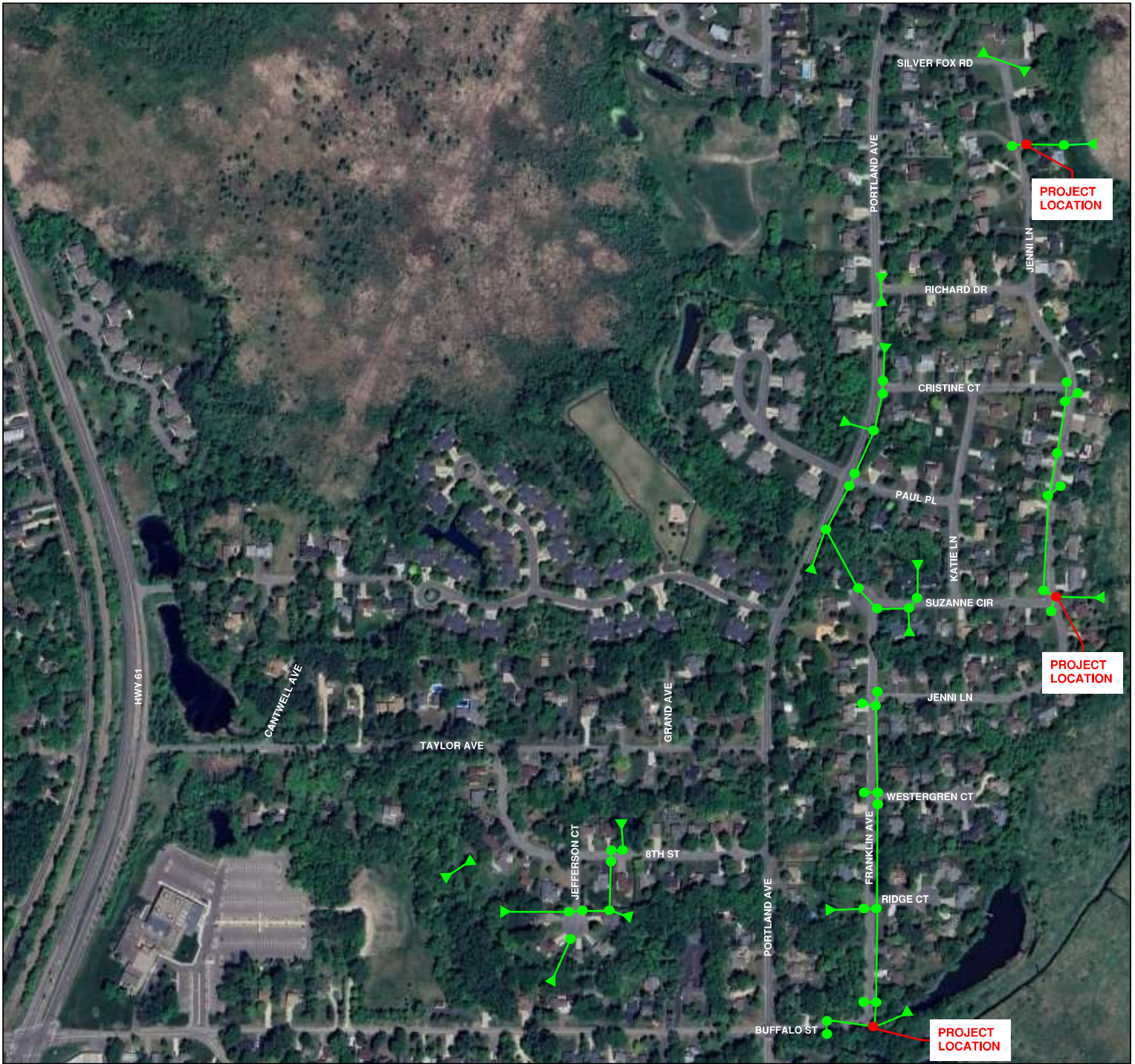
It is anticipated that the improvements will be installed as part of White Bear Township's 2025 Pavement Management Project. In the event that the pavement management project does not get constructed in 2025, the SAFL baffles will be installed under a separate contract.

XIII. Engagement Opportunities (10 points)

Demonstrate any potential for public engagement, education and demonstration and describe what methods will be used to ensure that the purpose and success of the project are made known to the public. Applicants must incorporate a public engagement component into the project.

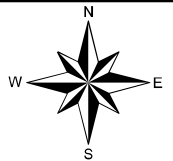
White Bear Township engages its residents in public improvement projects by hosting open houses and keeping information current on the Township's website, social media, pamphlets and mailings. The Township has a Utility Commission which makes recommendation to the Town Board on stormwater issues.

The Township is interested in working with RCWD to develop appropriate signage that would education the public about the stormwater system and how it is connected to the water quality of Bald Eagle Lake.



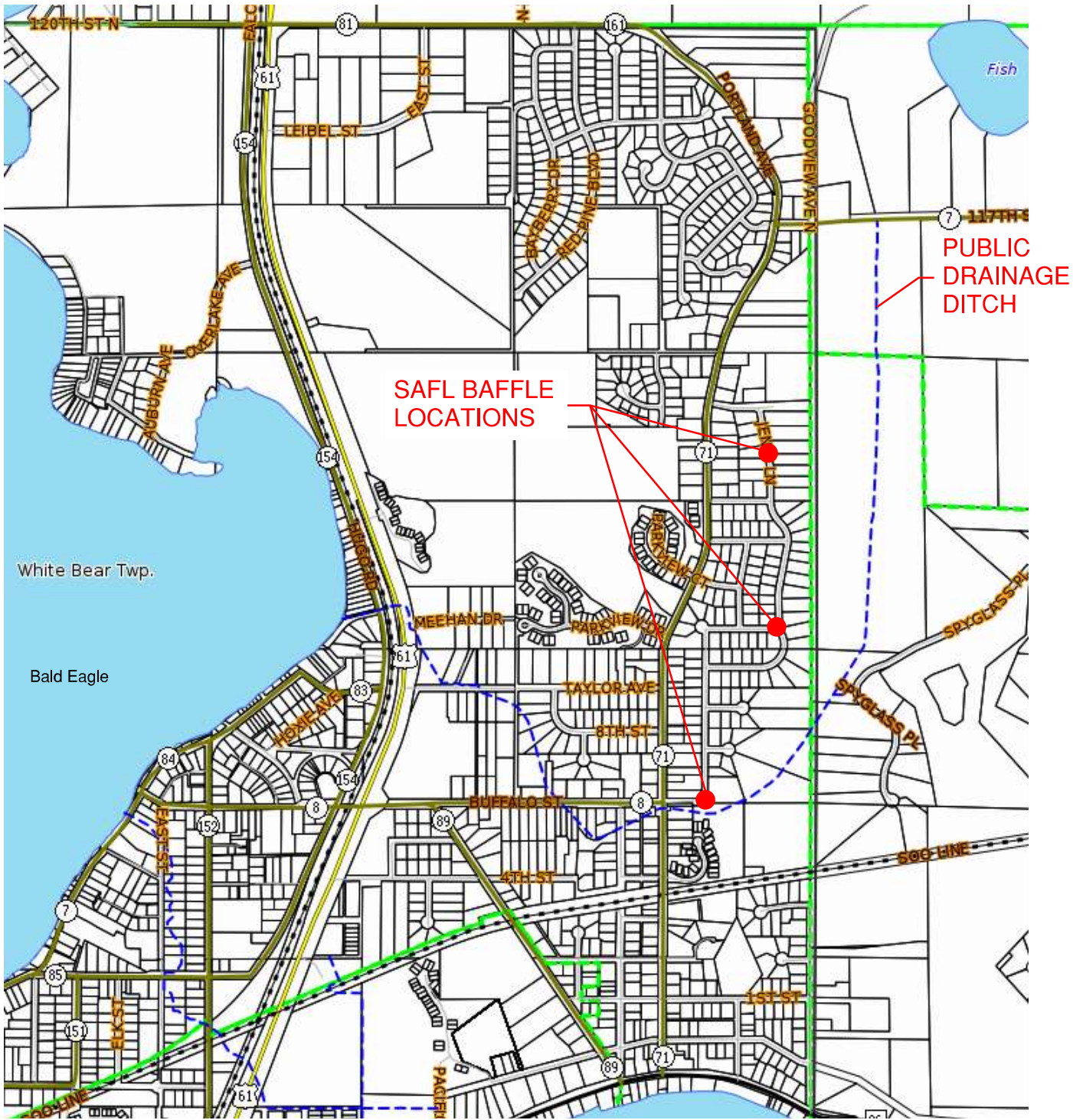
WHITE BEAR TOWNSHIP

STORM MAP

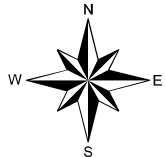


- EXISTING STORM SEWER
- PROPOSED SAFL BAFFLE STRUCTURE





WHITE BEAR TOWNSHIP



DRAINAGE DITCH LOCATION MAP



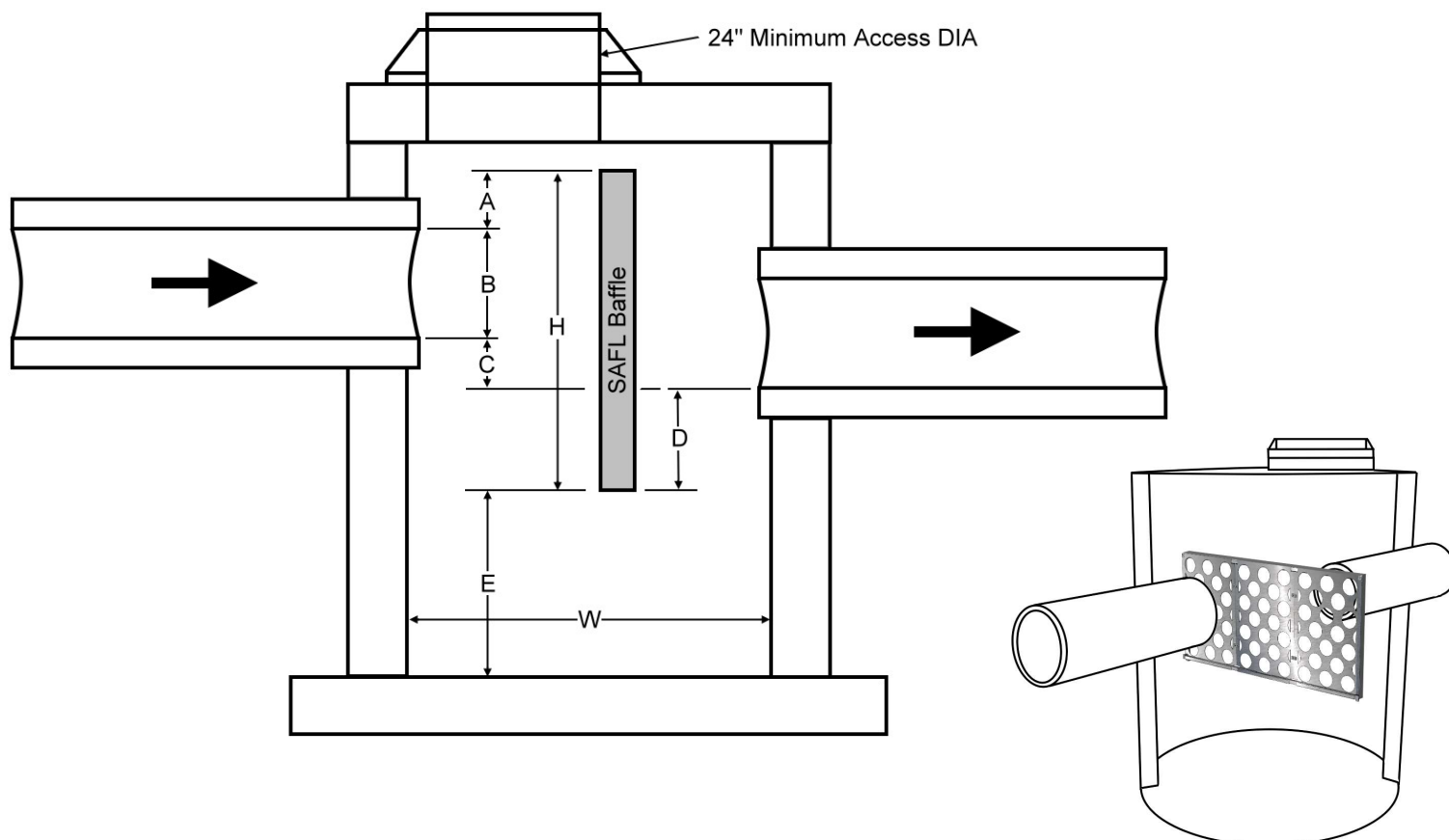
SILVER FOX AREA SAFL BAFFLE STORM IMPROVEMENTS
WHITE BEAR TOWNSHIP
ENGINEER'S PRELIMINARY ESTIMATE OF COST
12/17/2024

STORM SEWER IMPROVEMENTS

STRUCTURE & SAFL BAFFLE	EA	3	\$	18,200	\$	54,600
CASTING	EA	3	\$	1,400	\$	4,200
REMOVE & REPLACE PAVEMENT	LS	3	\$	5,000	\$	15,000
REMOVE & DISPOSE OF EXSTING PIPE	LF	60	\$	165	\$	9,900
FURNISH & INSTALL NEW STORM SEWER PIPE	LF	60	\$	95	\$	5,700
SITE RESTORATION	LS	3	\$	4,000	\$	12,000
MOBILIZATION	EA	3	\$	3,200	\$	9,600
CONSTRUCTION COST					\$	111,000
+10% CONTINGENCIES					\$	11,100
SUBTOTAL WITH CONTINGENCIES					\$	122,100
+20% ENGINEERING, LEGAL, FISCAL, AND ADMINISTRATION					\$	24,400
SUBTOTAL WITH +20% ENGINEERING, LEGAL, FISCAL, AND ADMINISTRATION					\$	146,500
TOTAL ESTIMATED PROJECT COST					\$	146,500
RCWD COST-SHARE FUNDS REQUESTED					\$	73,250

The estimated costs are according to average prices received on similar projects in other areas. The actual costs for this project will be determined through a bidding process and can vary with market conditions at the time of the bid.

SAFL BAFFLE SIZING REQUIREMENTS



A	0 to 6" 6" is ideal
B	Inlet pipe inside diameter
C	0 to 6" 0" is ideal
D	12"
E	36" Minimum. 48" or greater is ideal and results in less frequent sump cleanout
W	W = Sump diameter if round or width if rectangular
H	Baffle height = A + B + C + D
Purchase Baffle Size	W x H View the complete list of Available Baffle Sizes
	Also see: Bracing Guide & Stacking Guide
NOTE 1	If H is greater than 57" two SAFL Baffles may be stacked.
NOTE 2	75% of flow must be horizontal. No more than 25% falling from above
NOTE 3	This detail does not cover sizing the sump for sediment removal efficiency. Contact Upstream for sump sizing or use SHSAM Software
NOTE 4	For more information, see our Design Guide

PATENT PROTECTED Patents: US #8663466B2 - US #8715507B2 - US #9506237B2 - CA #2742207

This generic detail does not encompass the sizing, fit, and applicability of the SAFL Baffle for this specific project. It is the ultimate responsibility of the design engineer to assure that the design is in compliance with all applicable laws and regulations. The SAFL Baffle is a patented technology of Upstream Technologies, Inc. Upstream Technologies does not approve plans, sizing, or system designs.

SAFL BAFFLE SIZING DETAIL
 UPSTREAM TECHNOLOGIES INC.
 5201 EAST RIVER ROAD, SUITE 303
 FRIDLEY, MN 55421
 651-237-5123



ITEMS REQUIRING BOARD ACTION

1. Annual Designation of Depository and Newspaper (Nick Tomczik)

MEMORANDUM
Rice Creek Watershed District



Date: January 29, 2025
To: RCWD Board of Managers
From: Nick Tomczik, Administrator
Subject: Annual Designation of Depository and Newspaper

Introduction

The District by-laws require annual designation of an official depository and newspaper.

Background

The District Board must annually designate an official depository and newspaper. This is stated in the By-Laws of RCWD Article 4, Section 8 identifying the designation to occur at the first regular meeting in February.

The District’s current official depository is PMA Financial Network, LLC. administering the 4M Fund with US Bank as the financial institution.

The District’s current official newspaper is the St. Paul Pioneer Press.

Staff Recommendation

Staff recommends no change to District’s official depository and official newspaper.

Proposed Board Motion

Manager _____ moves to designate PMA Financial Network, LLC. administering the 4M Fund with US Bank as the financial institution as the official depository of the Rice Creek Watershed District and the St. Paul Pioneer Press as the official newspaper of the Rice Creek Watershed District.

ITEMS REQUIRING BOARD ACTION

2. Citizen Advisory Committee Member Appointment for Vacant Positions (Kendra Sommerfeld)



MEMORANDUM

Rice Creek Watershed District

Date: February 2, 2025
To: RCWD Board of Managers
From: Kendra Sommerfeld, Communications & Outreach Manager
Subject: CAC Member Appointment for Vacant Positions

Introduction

The Board of Managers is required to maintain an advisory committee to advise and assist the Managers with all matters affecting the interests of the watershed district as well as to make recommendations on proposed RCWD projects and improvements. The Board appoints or re-appoints members annually or as vacancies occur.

Background

The “Advisory Committee Operating Procedures” (adopted in 2020) includes requirements for:

- A maximum of 12 members
- Up to 4 members from each of the counties of Anoka, Ramsey, and Washington (ideally) with one of those being a representative of the conservation district/department

There are 2 vacant spots on the CAC in 2025, 1 in Anoka County and 1 in Washington County. Staff received an application from an Anoka County resident. Washington County CD brought forth a representative, their new Board Supervisor, Matt Lindholm.

Applicant Anoka County: Kate Asleson’s Profile

- Relevant Experience: Background in environmental science aids effective watershed management advice.
- Community Engagement: Involvement in local groups demonstrates a commitment to sustainable practices.
- Strong Communication Skills: Effective communication ensures community concerns are conveyed to the RCWD.
- Passion for Conservation: Genuine interest in environmental issues motivates active contribution to the CAC.

Staff Recommendation

Staff recommend Kate Asleson from Anoka County and Matt Lindholm from Washington County be appointed to the CAC to serve in 2025.

Proposed Motion

It was moved by Manager _____ and seconded by Manager _____, to appoint Kate Asleson and Matt Lindholm for membership on the Citizen Advisory Committee for 2025.

Attachments

- Kate Asleson’s CAC Application

Citizen Advisory Committee Application



General Information

Please provide your personal information

FIRST NAME	LAST NAME	M.I.
<input type="text" value="kate"/>	<input type="text" value="asleson"/>	<input type="text"/>
ADDRESS	CITY	STATE
<input type="text"/>		
ZIP CODE	COUNTY	EMAIL ADDRESS
<input type="text"/>		
PRIMARY PHONE NUMBER	IS IT A CELL PHONE <input type="checkbox"/>	SECONDARY PHONE NUMBER
<input type="text"/>		<input type="text"/>
ARE YOU A RCWD RESIDENT		
<input checked="" type="checkbox"/> YES, HOW LONG <input type="text" value="10"/> <input type="text"/> <input type="checkbox"/> NO		
PREFERRED CONTACT		
EMAIL <input checked="" type="checkbox"/>	MAIL <input type="checkbox"/>	PHONE <input type="checkbox"/>

Experience

Membership Category

- | | |
|---|--|
| <input type="checkbox"/> Soil and Water Conservation District/Department Rep. | <input type="checkbox"/> Agriculture |
| <input type="checkbox"/> County Board Member | <input checked="" type="checkbox"/> Citizen (at large) |
| <input type="checkbox"/> City or Town Official | <input type="checkbox"/> Other: <input type="text"/> |
| <input type="checkbox"/> Sportmen's Organization Member | |

Qualifications (include: education, occupation, volunteer experiences, etc.)

Bachelors degree in marketing, peace corps volunteer business advisor in Tonga/South Pacific, currently work as a global marketing director for Inogen Alliance / Antea Group, consulting services in environment, health & safety and sustainability for multinational organizations - specific services in water stewardship and management.

Civic, professional and community activities (past and present)

Peace Corps, Habitat for Humanity, ANA marketing, AWS (alliance for water stewardship),

Reasons for wanting to serve on the RCWD Citizen Advisory Committee

I am interested in contributing to water conservation and management efforts locally, literally in my backyard living on Golden Lake in the watershed. I contribute to global strategies and efforts related to water stewardship, working with teams from all over the globe and could bring a unique perspective from my work in accelerating a more sustainable future. I am also passionate about environmental and sustainability topics, from my time living on a small pacific island boiling rainwater to drink. I want to be an example to my kids in contributing to community efforts, and I want to ensure our watershed and lakes are sustainable for the future of our kids and the next generations.

Other comments

I do travel some for work, but will do the best I can to attend meetings - but my work is also related, I will be attending one of the largest global water stewardship events in June.

SIGNATURE

kate asleson

DATE

01-29-2025

Please note the following before submission:

- We encourage electronic submission, but will accept applications through mail
- Once completed, save the document as "CACAPP_LASTNAME_FIRSTINTIAL_DATE"
- If emailing subject: Citizen Advisory Committee Application
- Applications for the given year must be received on or before October 31st
- CAC members are appointed by the RCWD Board of Managers annually, but are encouraged to serve for a minimum of two years
- Current members may be re-appointed to serve beyond the initial one-year term at will
- The Citizen Advisory Committee (CAC) is appointed by the Rice Creek Watershed District (RCWD) Board of Mangers to advise and assist on matters affecting the RCWD, including reports, activities, and the RCWD cost-share program
- The CAC meets six to ten times a year with no meetings scheduled for the months of July and January; the meetings held the first Wednesday of the month from 5:30-7:30 PM at the RCWD office
- The CAC consists of twelve members representing the counties in the district and various interests (see the CAC recruitment document for more details)

Please submit application to Kendra Sommerfeld

Rice Creek Watershed District
4325 Pheasant Ridge Drive NE #611
Blaine, MN 55449

Cell: 763-398-3073
Email: ksommerfeld@ricecreek.org
Visit our website: www.ricecreek.org

ITEMS REQUIRING BOARD ACTION

3. RCWD Mini Grants Program - North Metro Pollinator Pathway
2025-2026 Funding (Molly Nelson)

MEMORANDUM
Rice Creek Watershed District



Date: February 5, 2025
To: RCWD Board of Managers
From: Molly Nelson, Outreach and Grants Technician
Subject: RCWD Mini Grants Program - North Metro Pollinator Pathway 2025-2026 Funding

Introduction

Seeking Board approval for a professional services contract with Anoka Conservation District (ACD) to implement the North Metro Pollinator Pathway (NMPP) 2025-2026 funding through the District Mini Grant program in Anoka County.

Background

The District's Mini Grant program supports water quality through funding landowner practices including native plantings. The NMPP Grant also supports native planting projects. So, there is a shared benefit of native plants towards improving water quality and providing pollinator habitat.

In 2024, the ACD applied for grant funding through the Board of Soil and Water Resources (BWSR) NMPP Grant Program (formerly Lawns to Legumes Demonstration Neighborhood) to enhance natural habitat corridors in the North Metro area of the Twin Cities. The grant focuses on turf conversion to native plantings that promote habitat for at-risk pollinators such as (but not limited to) the Rusty Patched Bumble Bee and the Monarch Butterfly. The ACD identified that all the Anoka County land within the RCWD boundary is comprised of at-risk pollinator dispersal zones and is a high priority for restoring and conserving pollinator habitat.

A request for partnership was sent to RCWD staff from the ACD in May of 2024 to inquire if the District would be receptive of \$10,000.00 in supplemental funding to the Mini Grant program from the NMPP Grant for native planting projects again as there is a combined benefit of native plants towards improving water quality as well as providing pollinator habitat.

Staff assessed the project eligibility requirements for the NMPP Grant program and the Mini Grant program and determined alignment for most eligible expenses except rain barrels under the Mini Grant Program and labor for site prep, install, and year of establishment maintenance under the NMPP Grant Program. Anoka grantees awarded a Mini Grant supplemented with NMPP grant funds would be notified upon award that they will be able to include labor time in their reimbursement if project costs do not fulfill the entire \$500.00 award. RCWD and ACD staff determined that the existing Mini Grant application is sufficient for NMPP reporting, however grantees will be required to submit additional information upon reimbursement that is not typically required through the Mini Grant reimbursement process. RCWD staff will provide a specialized reimbursement form (see attached) to Anoka grantees whose projects are eligible for funding through the NMPP Grant to meet the BWSR reporting requirements.

The ACD has provided RCWD staff with a signed contract for professional services and an associated work plan. RCWD Staff have conducted an internal review of the contract language with the District

Administrator and District Attorney. The contract is effective upon the execution of both parties and expires on December 1st, 2026.

Staff Recommendation

Staff recommend entering and implementation of the North Metro Pollinator Pathways Grant 2025-2026 Contract for Professional Services.

Request for Proposed Motion

Manager _____ moves to authorize the Administrator to enter the North Metro Pollinator Pathway 2025-2026 Contract for Professional Services between the Anoka Conservation District and the Rice Creek Watershed District.

Attachments

- North Metro Pollinator Pathway 2025-2026 Contract for Professional Services and Work Plan
- Mini Grant Reimbursement Request Form for Anoka grantees who qualify for NMPP Grant funds

Contract for Professional Services

between the

Rice Creek Watershed District

and the

Anoka Conservation District

for

North Metro Pollinator Pathway 2025-2026 RCWD Mini Grants

1 Parties

This AGREEMENT is made and entered into by and between the ANOKA CONSERVATION DISTRICT, a subdivision of state government organized under MN Statute 103C with a regular place of business at 1318 McKay Drive NE Ham Lake, MN 55304 hereinafter referred to as the ACD, and the RICE CREEK WATERSHED DISTRICT, a subdivision of state government organized under MN Statute with a regular place of business at 4325 Pheasant Ridge Drive NE Blaine, MN 55449, hereinafter referred to as RCWD.

2 Purpose

This Agreement sets forth the professional services to be provided by the RCWD to the ACD for the North Metro Pollinator Pathway 2025-2026 RCWD Mini Grants, hereinafter referred to as the WORK PLAN, which is attached to this Agreement as Exhibit A.

3 Term

3.1 **Effective date:** Upon the date of contract execution by both parties.

3.2 **Expiration date:** December 1, 2026

3.3 **Early termination.**

3.3.1 ACD may terminate this Agreement at its convenience by a written termination notice stating specifically what prior authorized or additional tasks and services it requires the RCWD to complete. The RCWD will receive full compensation for all authorized work performed, except that the RCWD will not be compensated for any part performance of a specified task or service if termination is due to the RCWD's breach of this agreement.

AND/OR

3.3.2 The RCWD may terminate this agreement or portion thereof at any time with 30 days written notice, or shorter time if mutually agreed. Both parties are responsible for their respective duties through the date of termination.

AND/OR

3.3.3 Either party may terminate this agreement or portion thereof at any time with 30 days written notice, or shorter time if mutually agreed. Both parties are responsible for their duties through the date of termination.

3.4 **Survival of terms.** The following clauses survive the expiration or cancellation of this agreement: publicity, liability, disposition of work products, employees.

4 Incorporation by Reference

4.1 The following documents are incorporated to this AGREEMENT by reference:

4.1.1 Work Plan

4.2 Amendments to the WORK PLAN may occur from time to time. In these cases ACD and the RCWD shall negotiate any amendments to this AGREEMENT that are necessary and agreeable. Any amendment shall be in writing and executed by the parties as set forth in Clause 18.

5 ACD Duties

5.1 Compensate the RCWD per this Agreement on a lump-sum basis. Compensation to the RCWD shall not exceed \$10,000.00.

5.2 Provide direction, guidance and oversight.

6 RCWD Duties

6.1 Carry out the tasks outlined for the role of implementing RCWD's mini grant for pollinator planting projects as part of the BWSR supported North Metro Pollinator Pathway project. Details are listed in the WORK PLAN. Only appropriate expenses associated with assigned tasks are compensated under this Agreement.

6.2 Follow Project coordination of the ACD and other collaborating partners.

6.3 Maintain detailed accounting of all hours, financial transactions and in-kind contributions. The books, records, documents, and accounting procedures and practices of the RCWD relevant to this Agreement shall be subject to examination by any local or state auditor for a minimum of six (6) years from the end of this Agreement, as per Minn. Stat. §16C.05 as set out in Clause 14.2.1, herein.

6.4 Conform to all applicable terms of the ACD's grant agreement with the MN Board of Soil and Water Resources for this Project.

6.5 Follow policies and procedures in the MN Board of Water and Soil Resources Grants Administration Manual, including but not limited to:

6.5.1 Provide details for reporting listed in Work Plan.

6.6 Invoice only for expenses allowed by the BWSR and document in the WORK PLAN.

6.7 Annually, or otherwise when requested, provide work progress reports to ACD staff, Carrie Taylor. Work progress reports must be organized by tasks as specified by the WORK PLAN to facilitate reporting to the State. Minnesota Government Data Practices Act, chapter 13 applies to all data created, collected, received, stored, used, maintained or disseminated by the RCWD under this agreement. All data and information provided in these reports shall be considered public. If the RCWD receives a request to release any data referred to in this clause, the RCWD must immediately notify ACD.

7 Authorized Representative

The individual listed below shall serve as ACD's Authorized Representative and as the liaison with RCWD. ACD shall have the right to change its Authorized Representative from time to time and shall inform RCWD of any such change. The Authorized Representative shall have the express authority to make all contacts with RCWD on behalf of SWCD and to instruct RCWD to perform the various services described in this Agreement and as otherwise requested by SWCD. RCWD shall submit reports, invoices and other materials prepared

pursuant to this Agreement to SWCD's Authorized Representative, by mailing or delivering them to:

Carrie Taylor
Anoka Conservation District Restoration Ecologist
1318 McKay Drive NE suite 300
Ham Lake, MN 55304
(763) 434-2030 x 190
Carrie.Taylor@AnokaSWCD.org

8 Disbursement of Compensation

- 8.1 The RCWD will invoice the ACD no more frequently than monthly and no less than five (5) days in advance of scheduled ACD meetings. Payments will be considered at ACD board meetings. The final invoice shall be submitted no later than December 1, 2026.
- 8.2 Invoices must be itemized per the Work Plan and include a summary of progress.
- 8.3 All payments not disputed in good faith shall be made within 30 days of receipt of invoice.
- 8.4 ACD may reserve as retainage from any progress payment an amount not to exceed 5%. Retained amounts shall be paid at Project completion.
- 8.5 This is a lump sum "to not exceed" contract. Expenses for each task may vary from the contacted amount, however the total compensation must not exceed the agreed upon total amount.

9 Subcontracts

The RCWD shall not assign, subcontract or transfer any obligation or interest in the Agreement without the consent of ACD and pursuant to any conditions. The RCWD is responsible for the performance of the work of the subcontractors and shall be responsible for the prompt compensation of the subcontractors as set forth in Minn. Stat. §471.425.

10 Waiver

The failure of either party to insist on the strict performance by the other party of any provision or obligation under this Agreement, or to exercise any option, remedy or right herein, will not waive or relinquish such party's rights in the future to insist on strict performance of any provision, condition or obligation, all of which will remain in full force and affect. The waiver of either party on one or more occasion of any provision or obligation of this agreement will not be construed as a waiver of any subsequent breach of the same provision or obligation, and the consent or approval by either party to or of any act by the other requiring consent or approval will not render unnecessary such party's consent or approval to any subsequent similar act by the other.

11 Disputes

ACD's Authorized Representative will be the initial interpreter of the requirements of this Agreement and will determine the acceptability of the work to be provided hereunder. All claims, disputes and other matters relating to the acceptability of the work must be referred to SWCD's Authorized Representative in writing with a request that a formal decision be made

within a reasonable period of time. Written notice of each claim, dispute or other matter must be delivered to ACD's Authorized Representative within 30 days of the occurrence of the event giving rise to the claim, dispute or other matter. All data supporting the claim, dispute or other matter must be submitted to ACD's Authorized Representative within 45 days of the event, unless ACD's Authorized Representative allows for additional time based on the availability of complete and accurate data. RCWD shall continue to perform while the claim or dispute is pending. The issuance of a decision by ACD's Authorized Representative shall be a condition precedent to RCWD's exercise of the rights and remedies RCWD may have under this Agreement or at law with respect to the claim, dispute or other matter.

12 Publicity

Any publicity regarding the subject matter of this Agreement must identify the MN Board of Water and Soil Resources as a sponsoring agency and display the Clean Water Legacy Logo. For purposes of this provision, publicity includes notices, informational pamphlets, press releases, research, reports, signs, and similar public notices.

13 Equipment and supplies

- 13.1 Equipment and supplies necessary to perform the tasks in this agreement shall be provided by RCWD without reimbursement, unless allowed in the Work Plan budget and approved by ACD.
- 13.2 Any purchases pursuant to this Agreement will become the property of the entity which issues payment to the vendor for that equipment.

14 Liability

Each party will be responsible for its own acts and behaviors and the results thereof. The RCWD's liability is governed by the Municipal Tort Claims Act, Minn. Stat. §466.02 (and if the State is a Party, the State's liability is governed by the Minnesota Tort Claims Act, Minn. Stat. 3.736). No Party will be responsible for the acts of the other within the meaning of Minnesota Stat. §471.59, Subd. 1a.

15 Disposition of Work Products

- 15.1 At the time of completion or termination of the work, the RCWD shall make available to the ACD and the MN Board of Water and Soil Resources, on request, all maps, tracings, reports, resource materials and other documents pertaining to the work or to the PROJECT. Except as required to fulfill grant agreement requirements, reproduction costs will be the responsibility of the requesting party.
- 15.2 Under Minn. Stat. section 16C.05, the RCWD books, records, documents and accounting procedures and practices relevant to the PROJECT are subject to examination by the State and/or the State Auditor or Legislative Auditor, as appropriate for a minimum of six years from the end of this Agreement.
- 15.3 If the RCWD is a government entity, all data and information obtained by the RCWD in the performance of the work herein may be kept and used by the RCWD at its discretion to the benefit of the public. Neither party will make any intellectual property claim with respect to the data and information.
- 15.4 The State owns all rights, title and interest in all of the intellectual property rights including copyrights, patents, trade secrets, trademarks and service marks in the

Works and Documents created and paid for under this contract. Works means all inventions, improvements, discoveries (whether or not patentable), databases, computer programs, reports, notes, studies, photographs, negatives, designs, drawings, specifications, materials, tapes and disks conceived, reduced to practice, created or originated by the RCWD, its employees, agents and subcontractors either individually or jointly with others in the performance of this contract. Works includes "Documents." Documents are the originals of any databases, computer programs, reports, notes, studies, photographs, negatives, designs, drawings, specifications, materials, tapes, disks or other material whether in tangible or electronic forms, prepared by the RCWD, its employees, agents and subcontractors either individually or jointly with others in the performance of this contract. To the extent possible, those works eligible for copyright protection under the United States Copyright Act will be deemed to be "works made for hire."

16 Employees

- 16.1 Nothing herein contained is intended or should be construed to constitute the RCWD as the agent, representative, or employee of ACD. Personnel performing Services on behalf of the RCWD or a subcontractor will not be considered employees of ACD and will not be entitled to any compensation, rights or benefits of any kind from ACD.
- 16.2 RCWD shall maintain compliance with Minn. Stat 176.181, subd. 2, pertaining to worker's compensation insurance coverage.
- 16.3 RCWDT and the ACD agree to abide by the applicable requirements and regulations of The Americans with Disabilities Act of 1990 (ADA), the Minnesota Human Rights Act (Minn. Stat. C.363), and Title VII of the Civil Rights Act of 1964. These laws deal with discrimination based on race, gender, disability, and religion, and with sexual harassment. Violation of any of the above laws can lead to termination of this Agreement.

17 Insurance

- 17.1 RCWD shall maintain the following insurance coverages throughout work:
 - 17.1.1 General Liability Insurance: RCWD is required to maintain insurance protecting it from claims for damages for bodily injury, including sickness or disease, death, and for care and loss of services as well as from claims for property damage, including loss of use which may arise from operations under this Agreement whether the operations are by the Contractor or by a subcontractor or by anyone directly or indirectly employed by the RCWD under the contract. Insurance minimum limits are \$500,000 per claim and \$1,500,000 per occurrence/annual aggregate.
 - 17.1.2 Auto Insurance: RCWD shall maintain auto liability coverage for individual(s) who operate a vehicle while carrying out any of the duties outlined in this Contract. A minimum liability amount of \$1,000,000 on a Combined Single Limit basis shall be maintained and coverage shall include Any Auto, including Hired and Non-owned.
 - 17.1.3 Workers' compensation: in accordance with legal requirements applicable to the RCWD.

18 Alterations

Any alterations, variations, modifications or waivers of the provisions of this agreement shall be valid only when they have been reduced to writing and duly signed by the parties herein.

IN WITNESS WHEREOF, the parties hereto have executed this agreement the day and year signed below.

RCWD

ACD

By: _____

By: Jim Lindell

Date: _____

Date: 01/21/2025

Exhibit A: Work Plan
North Metro Pollinator Pathway 2025 - 2025

- Provide \$10,000.00 (total, not to exceed) to residents in Anoka County through the RCWD mini grant program in 2025 and 2026.
- Eligible project types include:
 - Native Pocket Plantings (small gardens)
 - Raingardens with Native Plantings
 - Shoreline with Native Plantings
 - Pollinator/Bee Lawns
 - Pollinator Meadows
 - Pollinator Beneficial Trees and Shrubs
- Eligible expenses include:
 - MN native plants and seed that are insecticide/neonicotinoid free, including flowers/forbs, grasses, sedges, trees, shrubs and seeds
 - Biodegradable weed suppression mulch (non-dyed preferred)
 - fencing or materials to protect plants from herbivores
 - equipment rental fees and delivery fees
 - Contractor installation and/or maintenance of the project
- Requirements include:
 - RCWD – Landowner/Resident Contract
 - Project expenses include MN native plants that are insecticide/neonicotinoid free
 - Projects are maintained for 5 years/ effective lifespan of the project is no less than 5 years
 - RCWD provides Operation and Maintenance Guidelines for Pollinator Plantings (provided below)
 - Resident/Landowner is willing to allow ACD staff to monitor the project within 5 year project lifespan
- RCWD invoice and report to ACD. Reports must include:
 - RCWD staff time spent implementing the Mini Grant program
 - Landowner/Resident Contact information
 - Photo of project
 - Copies of paid receipts
 - Project type and area or count
 - RCWD could use the below table with residents and/or reporting to ACD

Resident Name:		
Project Address:		
Resident Phone:		
Resident Email:		
Please list the types of projects and the area or count you installed with your Mini Grant funds:		
Project Types:	<input type="checkbox"/> Native Pocket Plantings (small garden)	square feet
	<input type="checkbox"/> Raingarden with Native Planting	square feet
	<input type="checkbox"/> Shoreline with Native Planting	square feet
	<input type="checkbox"/> Pollinator Lawns	square feet
	<input type="checkbox"/> Pollinator Meadows	square feet
	<input type="checkbox"/> Pollinator Beneficial Trees and Shrubs	count/#
Time Spent Working on the Pollinator Planting:		hours

Relevant FY2024 Pollinator Pathways FAQ – MN BWSR

Can Landowner time spent installing projects be counted as match for the program?

Yes, Landowner time can be counted as match at a rate of \$25 per hour.

Should Projects Include Different Types of Plantings?

There are four primary project types promoted through the Lawns to Legumes program (see the program's Habitat Guide) including native pocket plantings, pollinator beneficial trees and shrubs, pollinator lawns and pollinator meadows. We encourage participants to incorporate these and potentially other project types into demonstration neighborhoods to help ensure they showcase best practices for supporting pollinators.

Can renters participate in the program?

Renters can participate in the program but need written approval from their landlord for the planting that they intent to install.

Can Boulevard Plantings Be Covered As Part of Projects?

Boulevard plantings can be included as part of projects but since they are often city property it is important that cities provide approval for any plantings that are planned.

What are expectations related to the five year lifespan for the projects? What if properties are sold during this timeframe?

Every effort should be made by project applicants to help ensure that projects exist and are maintained through the five year timeframe. It is expected for applicants to use an agreement with landowners . If projects change ownership during the first five years applicants should try to work with the new landowners to keep the project. There may be some opportunities to rescue/move plants from projects if there is no chance of the project continuing.

How should inspection of projects be addressed?

Landowners who are participating in the program should be asked to give permission to project applicants or other appropriate partners to inspect projects with

Operations and Maintenance Guidelines for Pollinator Plantings

This document describes important tasks that should occur on a regular basis to ensure the success of a small (<1/8 acre) pollinator planting. Neglected maintenance leads to more severe problems that are more difficult to correct.

Task	Frequency			Equipment Needed
	Year 1	Year 2	Year 3+	
<u>Watering</u> Ensure 1" of water per week, either through rainfall or irrigation.	Weekly	During drought stress		Water supply; hose and sprinkler, or soaker hose
<u>Mowing</u> To control weeds and remove excess thatch, mow or weed whip the planting area.	Mow to 8-12" to remove weed flowers before they seed.	Mow to 6" in early spring or late fall		Weed whip or mower
<u>Weeding</u> All vegetation that was not planted as part of the project should be removed.	Every 2-3 weeks	Monthly	2-4 times per year as needed.	
<u>Replace Vegetation</u> Replant similar species in the event that original vegetation expires.	If needed.			Trowel, plants
<u>Refresh Mulch</u> If installed with the project, maintain 2", and not more than 3", of mulch covering over planted areas, with priority on edges of plantings.	Approximately every 3 rd year, if appropriate Mulch helps maintain moisture and controls weed establishment, however bare soil provides habitat for many pollinators. About ¾ of wild bees nest in the soil.			Rake, mulch
<u>Leaf Removal</u> Remove leaves that may end up in streets or waterbodies but keep other leaves to support pollinators.	Leaves that enter the street and waterways provide excess nutrients to our lakes, rivers and wetlands. Leaves provide winter cover for pollinators and other invertebrates.			Leaf blower or rake

If you have any other questions or concerns, contact the Anoka Conservation District at 763-434-2030

Mini Grant Reimbursement Form

Resident Name:		
Project Address:		
Resident Phone:		
Resident Email:		
Please list the types of projects and the area or count you installed with your Mini Grant funds:		
Yes/No:	Project Types	Project Area in Square Feet:
	Native Pocket Plantings (small garden)	
	Raingarden with Native Planting	
	Shoreline with Native Planting	
	Pollinator Lawns	
	Pollinator Meadows	
	Pollinator Beneficial Trees and Shrubs*	Count/#:
Time Spent Working on the Pollinator Planting (hours):		

*Project Area for Pollinator Beneficial Trees and Shrubs is not required, please only provide the count/#.

Project Narrative

ITEMS REQUIRING BOARD ACTION

4. Ramsey County Lake Monitoring Services (Matt Kocian)



MEMORANDUM
Rice Creek Watershed District

Date: January 30, 2025
To: RCWD Board of Managers
From: Matt Kocian, Lake and Stream Program Manager
Subject: Ramsey County Lake Monitoring Services 2025

Introduction

Seeking Board approval for agreement with Ramsey County for lake monitoring services in 2025

Background

Water quality monitoring is conducted on most lakes in the Rice Creek Watershed. Data are used to track long-term trends and improvement following projects completed by the RCWD and others. Water quality monitoring data also support acquisition of state grant dollars; existing data and post-project monitoring are often required for grants.

Several agencies cooperate to ensure data coverage while avoiding overlapping effort. District staff monitor 8-10 lakes annually. The District supports a volunteer monitoring program (the *Citizen Assisted Monitoring Program – “CAMP”*) that covers another 8-10 lakes. Finally, staff at Ramsey County cover nine lakes.

Ramsey County staff have monitored water quality on lakes in Ramsey County since the early 1980's. Since 2016, the District has reimbursed Ramsey County for labor and equipment costs for monitoring lakes located within the Rice Creek Watershed. Other watershed districts in Ramsey County (e.g. RWMWD) do the same. In 2025, Ramsey County labor and equipment costs will be \$28,532.84. This cost was anticipated and is included in the approved 2025 District budget. The agreement between the District and Ramsey County is attached here.

Staff Recommendation

Staff recommend proceeding with the agreement. Data collected by Ramsey County are extremely valuable, and their labor and equipment costs are economical.

Note: Costs for laboratory sample analysis are separate (Exhibit D of the attached agreement). RCWD also bears these costs, but on a 'fee-for-service' basis (non-contract). These costs were also anticipated and included in the approved 2025 budget.

MEMORANDUM
Rice Creek Watershed District



Proposed Motion

Manager _____ moves to authorize the Administrator to enter into an agreement with Ramsey County for lake monitoring services in 2025 for an amount not to exceed \$28,532.84.

Attached:

Ramsey County Agreement with the Rice Creek Watershed District for 2025 Lake Monitoring Services

**RAMSEY COUNTY AGREEMENT
WITH THE RICE CREEK WATERSHED DISTRICT
for 2025 LAKE MONITORING SERVICES**

This Agreement is between the Rice Creek Watershed District, a local special purpose unit of government ("Watershed") and Ramsey County, a political subdivision of the State of Minnesota, ("County") for the testing of water quality, within the Watershed, within Ramsey County.

RECITALS

1. County is in possession of water quality testing facilities and capability.
2. Watershed desires County, upon request, to perform water quality testing on its behalf.
3. Watershed is willing to pay County costs and expenses for such tests.
4. All tests requested by Watershed will be within the Watershed's boundaries and within Ramsey County.

AGREEMENT

1. Scope of Agreement

- 1.1. County will perform a water quality testing protocol for Watershed pursuant to the 2009 Ramsey County Lake Management Program Sampling Protocol ("Baseline Request") at the locations and according to the parameters as listed in Exhibit A. Baseline testing will be performed eight times per year at each location between the dates of May 1st and September 30th.
- 1.2. Upon request, and subject to staffing or other limitations, County will perform Additional Testing as directed by the Watershed. Additional Testing will be performed within 2 weeks of receiving request.
- 1.3. This agreement is limited to the services requested and provided between January 1, 2025 and December 31, 2025.

2. Water Quality Testing Services

- 2.1. County staff will collect samples, preserve and transport samples and perform water quality tests or otherwise arrange for testing in accordance with Section 3 herein.

2.2. All tests will be performed in accordance with accepted industry standards. The designated standard for each test is identified in Exhibit B.

2.3. Nothing herein is intended to transfer any statutory duties or responsibilities.

3. Sub-contracting for Testing Services

3.1. If the County is unable to perform the testing, County may sub-contract for the water quality testing to be performed by a qualified third-party.

3.2. Qualified sub-contractors will comply with industry standards and will be solicited in accordance with state law and County procedures. The County will maintain a list of qualified sub-contractors.

3.3. Prior to submitting a sample for testing to a qualified sub-contractor, County will obtain a quote for the procedure and specific number of samples and will provide the specific quote and the identity of the sub-contractor to Watershed. County will not proceed with testing until it receives written approval by the Watershed to proceed. If Watershed does not provide approval, the services will not be provided, and the watershed will not be responsible for the associated costs.

3.4. The sub-contractor quote for sample testing is identified in Exhibit D.

4. Test Reports and Samples

4.1. County will deliver test reports to Watershed within 30 days of availability, or when otherwise requested.

4.2. Upon transmittal to Watershed, County is not responsible for maintaining a record of the sample, the test or its results.

4.3. County and Watershed shall be considered joint owners of the tests, and may use, share or distribute the same in any non-commercial manner. The samples will be disposed of at the County's discretion.

5. Water Quality Test Fees

5.1. Except as provided in Section 5.2, County will perform the sampling, transportation, and testing for the Baseline Request and the Extended Baseline Request, if any, at a flat rate. The flat rate is based on the quantity of testing done in the previous year and the current year's labor and testing rates, plus a pro rata portion of the County's identified equipment costs. The flat rate for the current year is provided and itemized in Exhibit C.

5.2. The flat rate fee identified in Section 5.1 will be credited for any test performed by a sub-contractor pursuant to Section 3. The credit will be equal to the per sample cost identified in Exhibit B.

5.3. County will perform Additional Testing, as provided in Section 1.2, at the rate provided in Exhibit B or the rate quoted by the qualified sub-contractor, for any requested collection, transportation, or testing.

5.4. Watershed will be billed directly from a qualified sub-contractor for sample testing. Exhibit D identifies quoted costs from the sub-contractor conducting sample testing.

6. Payment Schedule

6.1. County will invoice for the Baseline Request, and any Extended Baseline Request, fees, less any credit, in November following the testing season.

6.2. County will invoice for any Additional Testing services in November, along with the invoice for the Section 6.1 fees.

6.3. County will invoice Watershed for any third-party costs as incurred.

6.4. Watershed will pay all invoices within 60 days of receipt.

7. The Watershed and County shall indemnify, defend, and hold each other harmless against any and all liability, losses, costs, damages, expenses, claims, or actions, including attorney's fees, which the indemnified party, its officials, agents, or employees may hereafter sustain, incur, or be required to pay, arising out of or by reason of any act or omission of the indemnifying party, its officials, agents, or employees, in the execution, performance, or failure to adequately perform the indemnifying party's obligation pursuant to this Agreement. Nothing in this Agreement shall constitute a waiver by the County or the Watershed of any statutory or common law immunities, liability limits, or exceptions on liability.
8. County will maintain all records pertaining to fees or costs incurred in connection with the services for six years from the date of completion of the services. County agrees that any authorized Watershed representative or the state auditor may have access to and the right to examine, audit and copy any such records during normal business hours.
9. This Agreement shall remain in full force and effect until terminated by mutual agreement of the parties. Any amendment must be in writing.

Rice Creek Watershed District

By: _____
President

Date: _____

RAMSEY COUNTY, MINNESOTA

County Manager

Date: _____

Approval recommended:

Brian Isaacson, Director
Public Works Department

Date: _____

Approved as to form:

Assistant County Attorney

Exhibit A: Baseline Request

Lake Sites to be Tested Under Baseline Agreement

Lake Name	DNR Lake ID	DNR Lake Site ID
Otter	02-0003	204
Bald Eagle	62-0002	207
Bald Eagle	62-0002	202
Bald Eagle	62-0002	210
Josephine	62-0057	401
Turtle	62-0061	208
Long	62-0067	202
Long	62-0067	201
Island South	62-0075-01	202
Island North	62-0075-02	202
Johanna	62-0078	101
Silver West	62-0083	204
White Bear	82-0167	234
White Bear	82-0167	229
White Bear	82-0167	230
White Bear	82-0167	231

Water Parameters to be Tested

- Ammonia
- Chloride
- Chlorophyll a
- Dissolved Oxygen
- Inorganic Nitrogen
- pH
- Phytoplankton community analysis
- Secchi Disk Depth
- Soluble Reactive Phosphorus
- Specific Conductivity
- Temperature
- Total Kjeldahl Nitrogen
- Total Phosphorus
- Zooplankton community analysis

Exhibit B: Laboratory Analysis Methods and Rates

Procedure	Method	Method Year	Cost/Sample
SRP Filtering	EPA 365.1 Rev 2	1993	\$5.00
Zooplankton Analysis	SM 10200 G	2017	\$61.25
Phytoplankton Analysis	SM 10200 F	2017	\$61.25
Labor			\$99.22

*Rates for 2022 analysis by RMB Environmental Laboratories, Inc. All other procedure rates are for Ramsey County. Subject to review on an annual basis.

EXHIBIT C: Baseline Request Estimated Program and Flat Fee

RCWD		2025	
Analysis 2025	Count	Unit Price	Amount Billed by Ramsey County
SRP filtering	427	\$5.00	\$2,135.00
Zooplankton	72	\$61.25	\$4,410.00
Phytoplankton	72	\$61.25	\$4,410.00
Equipment	41%	\$4,175.57	\$1,702.15
Labor	160	\$99.22	\$15,875.69
		Total	\$28,532.84

EXHIBIT D: RMB Labs Quoted 2025 Rates

Analysis 2025	Count	Unit Price	Amount Billed by RMB Labs
Total Phosphorus	413	\$ 16.80	\$ 6,938.40
Soluble Reactive Phosphorous	413	\$ 16.80	\$ 6,938.40
Chloride	177	\$ 14.00	\$ 2,478.00
Total Kjeldahl Nitrogen	128	\$ 20.30	\$ 2,598.40
Ammonia	128	\$ 16.10	\$ 2,060.80
Nitrate + Nitrite	128	\$ 14.00	\$ 1,792.00
Chlorophyll A	128	\$ 21.00	\$ 2,688.00
		Total	\$25,494.00

ITEMS REQUIRING BOARD ACTION

5. 2025 Agreement for Carp Management Services (Matt Kocian)

MEMORANDUM

Rice Creek Watershed District



Date: January 30, 2025
To: RCWD Board of Managers
From: Matt Kocian, Lake and Stream Manager
Subject: 2025 Agreement for Carp Management Services

Introduction

Seeking Board approval for a professional services agreement for carp management services in 2025

Background

The District is continuing its carp management program in the Long Lake / Lino Chain of Lakes system in 2025 in accordance with the Board-approved Carp Management Plan (Dec 2018, rev. 2022). The plan calls for the removal of at least 50% of the adult carp population annually. Our 2025 goal remains the same, and the attached proposal from **Carp Solutions** provides labor and specialized services to meet that goal.

Carp Solutions contract highlights for Long and Lino Chain of Lakes:

- Maintaining existing monitoring infrastructure, such as Passive Integrated Transponder systems and antennas to monitor carp migration
- Maintaining existing fish trap associated with the ProCom electronic guidance system (also referred to as the 'electric barrier') and remove aggregated carp
- Remove aggregated carp at new Johanna Creek barrier
- Labor for carp removal, transport, and disposal
- Population assessment
- Data analysis and reporting

New in 2025, Carp Solutions will be testing new trap designs and other technology to prevent carp escape from the migratory trap. In 2024, catch/removal rates (% of migrating carp removed) dropped at the Rice Creek carp trap. Testing new trap designs should help improve catch/removal rates and improve program efficiency.

Proposed costs fit within the approved 2025 budget – no new or unbudgeted costs are proposed. Management costs for the Long Lake / Lino Chain of Lakes system have trended downward in recent years, as the carp population declines. Our costs with Carp Solutions have been decreasing by 10-15% each year for the past few years.

Staff Recommendation

The proposed work is consistent with the approved RCWD Carp Management Plan, and necessary to achieve Plan goals. District staff recommend approving a professional services agreement with Carp Solutions for \$86,060.

MEMORANDUM
Rice Creek Watershed District



Proposed Motion

Manager _____ moves to authorize the Administrator to enter into a professional services agreement with Carp Solutions, LLC for an amount not-to-exceed \$86,060.00. The Administrator is further authorized to approve contract amendments for additional work, not to exceed 20% of the contract cost (\$17,212).

Attachments

Carp Solutions, LLC Proposal:
2025 Proposal for Carp Management Services in the Rice Creek Watershed District, January 27, 2025



2025 Proposal for Carp Management in Rice Creek Watershed District

January 27, 2025

Prepared For: Rice Creek Watershed District

Attn.: Matt Kocian

Prepared by: Carp Solutions LLC

www.carpsolutionsmn.com

Objective 1: Spring removal of carp in Rice Creek

From 2019-2023, carp removals at the EGS site in Rice Creek have proven to be highly successful and more efficient than box netting in Long Lake itself. This efficiency has been partly due to the fact that the methods have been continually refined. However, in 2024, this removal efficiency dropped as the spawning run has been greatly decreased. To reverse this trend, in 2025, experimentation with the trap will be conducted.

In order to monitor carp movement and system success, we plan to re-install one PIT system downstream of the EGS that can be remotely monitored and another one inside the trap. The second unit will be used to inform the new one-way entrance/aggregation system. We will also re-tune and if necessary replace the Old Highway 8 PIT antenna upstream of the EGS. To ensure the smooth operation of the EGS, Carp Solutions will check, repair, and put the electrodes back into the trap. The two conveyors will be reinstalled in the similar configuration as 2024. After the preparation, Carp Solutions will remotely monitor the site for fish aggregations, and will be responsible for removals and disposal (including supplying a dump trailer). To increase the percentage of the run captured, Carp Solutions will experiment with one-way barrier designs inside the trap. The objective of these experiments will be to figure out a design that will let carp into the trap but not back out so that all carp that enter the trap will be removed the next morning. RCWD will be responsible for maintaining the security fence, site security, and rental of equipment to move carp from the conveyors to the trailer. All carp will be scanned for PIT tags, and 10 carp will be measured for length on each removal day until 100 carp have been measured for the season.

Cost Objective 1: \$46,680

Objective 2: Removing carp at the Johanna Creek barrier

After data from 2022 showed a significant migration of carp up Johanna Creek, a barrier was installed by RCWD near the New Brighton Community Center. In 2023 and 2024, 676 carp were removed from the creek around the barrier. To continue this in 2025, a remote access camera and PIT antenna will be installed on the downstream side of this barrier. Carp Solutions will remotely monitor the site for fish aggregations, and will be responsible for removals and disposal. All carp will be scanned for PIT tags, and up to 100 carp will be measured for length for the season.

Cost objective 2: \$22,920

Objective 3: Survey of Rice Lake for the presence of juvenile carp

Keeping track of carp reproduction is of paramount importance for long-term carp management in the Rice Creek watershed. A simple way to track this is to do fish surveys in known nursery lakes to search for juvenile or young of the year (YOY) carp. In 2025, we will conduct one small-mesh trap net survey in Rice Lake. This survey will be conducted in late summer or early fall as in previous years. If juvenile carp are present, we will implant up to 100 with PIT tags to track their survival and migration to Long Lake.

Cost objective 3: \$3,680

Objective 4: Population estimate for carp in Long Lake and implantation of PIT tags for future surveys

To track management progress, it is important to conduct standard annual surveys of carp in Long Lake. We will conduct three days of boat electrofishing surveys to estimate carp abundance (from catch per effort) and length distribution (to estimate the possible influx of young carp into the population). During these surveys, carp will also be marked with a fresh fin clip and PIT tag for use in future mark-recapture estimates and migration tracking.

Cost objective 4: \$5,600

Objective 5: Survey of E2 Wetland for the presence of young of year carp

After a heavy rainfall event on May 21, 2024, the Johanna Creek barrier was flooded and carp were able to get over it. While it is unknown how far these carp managed to travel, there is a strong possibility that they were able to reach upstream nursery ponds and spawn there. To see if carp successfully reproduced there, Carp Solutions will conduct a trap netting survey in the pond in the late summer or early fall to sample for juvenile carp. If juvenile carp are present, we will implant up to 100 with PIT tags to track their survival and migration to Long Lake.

Cost objective 5: \$3,680

Other (Coordination, cloud data fees, PIT monitoring): 1,000

Report

At the conclusion of this effort, we will provide a written report with management recommendations. The report will be submitted by January 31, 2026.

Cost: \$2,500

Cost

This work will be conducted at a not-to-exceed budget of **\$86,060**. Detailed budget is presented below.

		Hours	People	Rate per person	Hourly rate	\$	Totals
1. Spring Removal in Rice Creek							
Task 1	Site prep (install gate, adjust electrodes, deploy trap electrodes, connect, check)	16	3	115	345	\$5,520	
	Materials						
Task 2	Build, install, help tune the new HWY 8 PIT antenna	8	2	115	230	\$1,840	
Task 3	Installation/maintenance of two PIT antennas below EGS	8	2	115	230	\$1,840	
	Monitoring migration with two PIT systems (\$1000/month; 3 months)					\$6,000	
	CATCH system for remote closing of carp trap gate & informing new aggregation system					\$2,000	
	Data plan for CATCH					\$720	
	Install and maintain camera for monitoring carp in the trap					\$300	
Task 4	Install Conveyors	12	3	115	345	\$4,140	
	Conveyor rental from U of M					\$2,000	
Task 5	Constructing and experimenting with one-way entrance	24	2	115	230	\$5,520	
Task 6	Removing carp x 15 days (4h per day)	60	2	115	230	\$13,800	
Task 7	Carp disposal (\$300/day)	10			300	\$3,000	
	<i>Spring Subtotal</i>						\$46,680
2. Monitoring migration and removals in							

Johanna Creek							
Task 1	Install PIT antenna	4	2	115	230	\$920	
Task 2	Monitor carp migration with remote monitoring (\$1,000/month; 3 months)					\$3,000	
Task 3	Carp removal (10 d; 4h per day)	40	4	115	460	\$18,400	
	Carp disposal (\$300/day)	2			300	\$600	
							\$22,920
3. Trap netting survey in Rice Lake							
	Two days of trap netting	16	2	115	230	\$3,680	
							\$3,680
4. Electrofishing survey on Long Lake							
	3 days of boat electrofishing/ marking	24	2	115	230	\$5,520	
	PIT tags (40 @ \$2 each)					\$80	
							\$5,600
5. Trap netting survey in E2							
	Two days of trap netting	16	2	115	230	\$3,680	
							\$3,680
<i>Sampling/ tagging Subtotal</i>							
Report and							\$2,500

analysis							
Coordination, permitting							\$1,000
TOTAL							\$86,060

ITEMS REQUIRING BOARD ACTION

6. Washington Judicial Ditch #2 Right of Way Maintenance (Tom Schmidt)

MEMORANDUM
Rice Creek Watershed District



Date: February 04, 2025
To: RCWD Board of Managers
From: Tom Schmidt Drainage & Facilities Manager
Subject: Washington Judicial Ditch #2 ROW Maintenance

Introduction

The Board is asked to approve a public drainage system maintenance work order for right-of-way maintenance on Washington Judicial Ditch #2 (WJD#2) for Dunaway construction.

Background

Staff have recently contracted with Dunaway Construction for right-of-way maintenance on sections of WJD #2. The Board approved one of these sections at the January 22, 2025, Board meeting. Favorable conditions and contractor availability have created the opportunity to do additional bank mulching work on the WJD #2 right-of-way. This area of WJD #2 is downstream of branch #4, where the ditch begins to cross a large wetland complex with little woody vegetation. The intended work is for both sides of the ditch. The estimated cost of this additional work is \$19,500.

Staff Recommendation

District staff recommends that the board approve the work order, estimated at \$ 19,500.

Proposed Motion

Manager _____ moves to approve Washington Judicial Ditch #2 work order for Dunaway construction, as outlined and directed by staff in District Drainage Department Repair Report #25-020, estimated at \$ 19,500.

Attachments

RCWD DRAINAGE DEPARTMENT REPAIR REPORT# 25-020.

Rice Creek Watershed District
DRAINAGE DEPARTMENT
REPAIR REPORT
For Staff Documentation & Contractor Information

JD 2 Repair #25-020



OVERVIEW

Date Repair Was Created:	2025-01-28	Branch:	Main
Problem/Proposed Work:	Brush cutting overgrown woody vegetation on both ditch banks		
Ditch Repair:	Brush mowing slopes and ditch bank.		
Tile Repair:			
FEMA Event:	None	FEMA Date:	None

REPAIR LOCATION DETAILS

County:	Washington	Township:	Hugo
Twp:	31	Range:	21
Section:	5	Qtr-Qtr Section:	
Latitude:	45.2045509056635	Longitude:	-92.99320671354637
Parcel Number:			
Location Details			

PERSON REQUESTING REPAIR

Name	Address	Phone
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Rice Creek Watershed District DRAINAGE DEPARTMENT REPAIR REPORT

For Staff Documentation & Contractor Information

Abel Green	4325 Pheasant Ridge Dr. NE #611	6125975031
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LANDOWNER

Name	Address	Phone
None	None	None

STATUS LOG

Action	Date	Initials	Notes
For Review	01/31/2025	tschmidt	Estimated Cost:\$19,500.00

DRAINAGE AUTHORITY ACTIONS

Action	Date	Board Date	Initials	Notes
For Approval	2025-02-12	2025-02-26	tschmidt	All Work to be completed as directed by RCWD Staff.

REPAIR ESTIMATES

Order	Date	Contractor	Total Cost	Notes
1	2025-01-31	Dunaway Construction	\$19500	Brush cutting head on excavator, cutting both ditch banks and slopes

REPAIR INVOICES

Order	Date	Contractor	%Complete	Total Cost	Notes
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ITEMS REQUIRING BOARD ACTION

7. 2025 Information Management – Houston Engineering Inc. Task Orders (Nick Tomczik)

MEMORANDUM
Rice Creek Watershed District



Date: February 5, 2025
To: RCWD Board of Managers
From: Nick Tomczik, Administrator
Subject: 2025 Information Management – HEI Task Orders

Introduction

The District annually considers HEI task orders to pay for software subscriptions and the general maintenance and upkeep of software data.

Background

The District has established software use of DrainageDB for public drainage system records, GIS Data management, and MS4Front for grants, regulatory, and general alignment of District work efforts. These software systems and resultant information are foundational in the District’s work. Two HEI task orders are under consideration; the expenses in each are planned for in annual budgeting work.

Staff Recommendation

Staff recommend Board approval of the HEI Task Order 2025 – 002 and 2025 - 003.

Proposed motion

Manager _____ moves approval of HEI Task Order 2025 – 002 and HEI Task Order 2025 - 003 and authorize the District Administrator to sign, seconded by Manager _____.

Attachments

- HEI Task Order 2025 – 002
- HEI Task Order 2025 – 003

SCOPE OF SERVICES



HoustonEngineering Inc.

Task Order No. 2025-002
Rice Creek Watershed District



GIS and Ditch Records Maintenance; DrainageDB Annual Subscription

RCWD Administrative Information:

Account No.: 35-05

Account Name: Information Management

Houston Engineering Project No.: R005555-0031 Phase 025

Task Order Purpose:

The project purpose is to provide maintenance for RCWD's GIS data and ditch records. This task order also includes the annual subscription to the DrainageDB software and maintenance for drainage records management.

Professional Services Rendered:

HEI intends to provide the following professional services during the completion of this Task Order:

1. HEI will provide technical support and maintenance services for the GIS viewers, ArcGIS Online account, drainage records and GIS data. Technical support could include software upgrades, data updates, bug fixes, enhancements, configuration changes or correspondence regarding the applications and data. HEI will only complete revisions, updates, tasks or services as authorized by the RCWD with the exception of routine GIS layer and drainage record updates. The RCWD will supply an email as authorization to provide technical support or fill a maintenance request. HEI can provide a cost estimate to complete the request, if the RCWD requests one. HEI has assumed approximately 100 hours for the year's requests and routine data updates depending upon HEI staff completing the request and corresponding annual fee schedule. These data updates include, but are not limited to:
 - a. Updating Water Management District (WMD) charges annually and as new charges are certified;
 - b. Adding public drainage system documents to DrainageDB;
 - c. Modifying the public drainage system geodatabase to reflect modifications approved by the RCWD Board as drainage authority;
 - d. Downloading updates to data layers created outside of the District (e.g. parcel data)
 - e. Publishing map service updates to the district's ArcGIS online account.
 - f. Configuration revisions as requested by staff to the GIS viewers.

SCOPE OF SERVICES



HoustonEngineering Inc.

Task Order No. 2025-002
Rice Creek Watershed District



GIS and Ditch Records Maintenance; DrainageDB Annual Subscription

2. HEI will provide their DrainageDB software as a software subscription to RCWD for a 12-month period beginning January 1, 2025 and ending December 31, 2025 for \$4,000. This includes hosting, technical support and maintenance as per the software as a service subscription agreement.

Procedure for Requesting Maintenance

The procedure for making a GIS maintenance request and completing it will follow these steps.

- 1) RCWD staff will email Brian Fischer (bfischer@houstoneng.com) and carbon copy Chris Otterness (cotterness@houstoneng.com) requesting completion of the work. The email may include a request for a cost for the work if desired by the RCWD. The email should include requesting a read receipt to ensure it is received by Brian Fischer.
- 2) Brian will respond within one business day that he received the request and start to coordinate with a HEI programmer to evaluate the request.
- 3) Alternatively, if Brian is out of the office, Chris Otterness will respond within two business days of receiving the request.
- 4) If both Brian and Chris are unavailable due to vacation or illness, the first one to be back in the office will respond indicating that the request was received.
- 5) HEI will determine the technical feasibility of completing the request based on the web hosting environment and current programming of the application. If the request is not feasible or will require more than 4 hours of time to complete, then the RCWD will be notified.
- 6) If the request is feasible and causing an issue with the website being down or a feature not functioning properly, HEI will strive to complete the request within two business days after evaluation.
- 7) If the request is feasible and a feature enhancement or issue that is not affecting the website from running properly, then the HEI will strive to address the request within 6 business days.

Deliverables:

The deliverables for the Task Order consist of an application maintenance and support requests completed as requested. The other deliverable consists of hosting the web applications in accordance the "Warranties and Maintenance" portion of this Task Order.

Warranties and Maintenance:

SCOPE OF SERVICES



Task Order No. 2025-002
Rice Creek Watershed District



GIS and Ditch Records Maintenance; DrainageDB Annual Subscription

HEI makes no warranties of merchantability or fitness for a particular purpose or any other warranties or guaranties whatsoever, expressed or implied, with respect to any service performed or any materials provided under this Task Order. In addition, and without limitation, HEI does not guarantee the website application and source code is free from programming bugs or irregularities or that the service performed or materials provided are free of claims of any person by way of infringement (including, but not limited to, patent or copyright infringement) or the like.

While HEI will make every reasonable effort to protect and backup data for the RCWD on a regular basis, Engineer is not responsible for Client's files residing on HEI's server. The RCWD is solely responsible for independent backup of data stored on HEI's server and network. If HEI needs and is able to restore client's files due to a file lost HEI is not responsible for, HEI may charge an additional fee for this service.

Use of illegal or copyright material on any web page or other distribution mechanism used in conjunction with these applications by the RCWD, can result in termination of this Task Order. Illegal material is defined as any material not permitted under United States local, state or federal laws. If "illegal material" was submitted by a client of the RCWD without RCWD's knowledge, this Task Order can remain in effect if the RCWD removes the "illegal material."

Any use of Houston Engineering's systems that disrupts the normal use of the system for other Houston Engineering Inc. customers is considered to be abuse of Houston Engineering Inc. services and is grounds for termination of this Task Order. Some examples of abuse include spawning dozens of processes, consuming large amounts of memory or CPU cycles for long periods of time, attempting to access other account areas of other HEI Clients, or conducting provocative activities such as mass emailing, which may result in retaliatory actions against Houston Engineering Inc. systems.

Schedule and Compensation:

HEI will perform the professional services identified above on a time and materials basis up to the not-to-exceed amount of **\$16,000**. HEI will notify the RCWD, should this amount be exceeded, for authorization to proceed. Services will be performed as requested from January 1,

SCOPE OF SERVICES



HoustonEngineering Inc.

Task Order No. 2025-002
Rice Creek Watershed District



GIS and Ditch Records Maintenance; DrainageDB Annual Subscription

2025 thru December 31, 2025. These services will be billed on a time and materials basis per the standard rates described by the latest contract amendment. RCWD will only be charged for actual time worked up to the not-to-exceed amount.

HEI will provide a DrainageDB software subscription as identified above for a fixed fee of **\$4,000** for the period of January 1, 2025 thru December 31, 2025.

Assumptions:

The estimated compensation for the execution of the tasks identified within the “Professional Services Rendered” section of this Task Order is based upon the following assumptions:

1. RCWD will provide clear explanation and markups of the service requests.
2. RCWD will provide access to their ArcGIS Online organizational account to HEI.
3. HEI staff will strive to respond within two business days, but there may be times when both Brian and Chris are out of the office for more than two business days.
4. HEI will add content to the maximum extent possible as part of the normal workflow process as District Engineer as part of project-specific costs.

SCOPE OF SERVICES



**Task Order No. 2025-002
Rice Creek Watershed District**



GIS and Ditch Records Maintenance; DrainageDB Annual Subscription

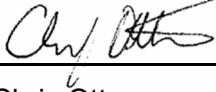
SIGNATURES:

The services described by this Task Order are being provided in accordance with the Professional Services Agreement between the Rice Creek Watershed District and Houston Engineering dated May 14, 2008, as amended and extended. This **Task Order** shall be effective **January 1, 2025** as authorized by the signatures of representatives of the Rice Creek Watershed District and Houston Engineering, Inc.

Rice Creek Watershed District

By: _____
Name: Nick Tomczik
Title: Administrator
Date: _____

Houston Engineering, Inc.

By: 
Name: Chris Otterness
Title: District Engineer
Date: February 5, 2025

SCOPE OF SERVICES



HoustonEngineering Inc.

Task Order No. 2025-003
Rice Creek Watershed District



MS4Front Annual Subscription and Implementation Services

RCWD Administrative Information:

Account No.: 35-05

Account Name: Information Management

Houston Engineering Project No.: R005555-0324 Phase 025

Task Order Purpose:

The task order purpose is to provide an annual subscription to Houston Engineering's MS4Front software platform. The task order includes a block of hours for the year to be used for as requested existing module configuration revisions, new module setup, new report creation or other technical services in relationship to the MS4Front as requested.

Professional Services Rendered:

HEI intends to provide the following professional services during the completion of this Task Order:

1. HEI will provide technical support for MS4Front configuration and report creation. Technical support could include configuration changes, correspondence, data imports, data exports, report creation, map layer configuration or other technical tasks. HEI will only complete tasks or services as authorized by the RCWD. The RCWD will supply an email as authorization to provide technical support requests. HEI can provide a cost estimate to complete the request, if the RCWD requests one. HEI has assumed 100 hours for the year's requests and routine data updates. Any larger enhancement requests would be done under a separate task order.
2. HEI will provide their MS4Front software as a software subscription to RCWD for a 12-month period beginning January 1, 2025 and ending December 31, 2025 for \$6,000. This includes hosting, technical support and bug fixes as per the software as a service subscription agreement.

Procedure for Requesting Maintenance

The procedure for making permit database web application maintenance request and completing it will follow these steps.

- 1) RCWD staff will email Brian Fischer (bfischer@houstoneng.com) and carbon copy Chris Otterness (cotterness@houstoneng.com) and Joe Jeurissen (jjeurissen@houstoneng.com) requesting completion of the work. The email shall

SCOPE OF SERVICES



HoustonEngineering Inc.

Task Order No. 2025-003
Rice Creek Watershed District



MS4Front Annual Subscription and Implementation Services

include a request for a quote for the work if desired by the RCWD. The email should include requesting a read receipt to ensure it is received by Brian Fischer.

- 2) Brian will respond within one business day that he received the request and start to coordinate with a HEI staff to evaluate the request.
- 3) Alternatively, if Brian is out of the office, Chris Otterness will respond within two business days of receiving the request.
- 4) If both Brian and Chris are unavailable due to vacation or illness, the first one to be back in the office will respond indicating that the request was received.
- 5) HEI will determine the technical feasibility of completing the request based on the web hosting environment and current programming of the application. If the request is not feasible or will require more than 4 hours of time to complete, then the RCWD will be notified.
- 6) If the request is feasible and causing an issue with the website being down or a feature not functioning properly, HEI will strive to complete the request within two business days after evaluation.
- 7) If the request is feasible and a feature enhancement or issue that is not affecting the website from running properly, then the HEI will strive to address the request within 6 business days.

Deliverables:

The deliverables for the Task Order consist of an application maintenance and support requests completed as requested.

Schedule and Compensation:

HEI will perform the professional services identified above on a time and materials basis up to the not-to-exceed amount of **\$16,000**. HEI will notify the RCWD, should this amount be exceeded, for authorization to proceed. Services will be performed as requested from January 1, 2025 thru December 31, 2025. These services will be billed on a time and materials basis per the standard rates described by the latest contract amendment. RCWD will only be charged for actual time worked up to the not-to-exceed amount.

HEI will provide a MS4Front software subscription as identified above for a fixed fee of **\$6,000** for the period of January 1, 2025 thru December 31, 2025.

SCOPE OF SERVICES



HoustonEngineering Inc.

Task Order No. 2025-003
Rice Creek Watershed District



MS4Front Annual Subscription and Implementation Services

Assumptions:

The estimated compensation for the execution of the tasks identified within the “Professional Services Rendered” section of this Task Order is based upon the following assumptions:

1. RCWD will provide clear explanation and markups of the service requests.
2. RCWD will maintain a subscription to ESRI’s ArcGIS online and provide access to HEI developers. RCWD will be responsible for an ArcGIS online user subscription for each field staff that needs access to mobile apps. RCWD will be responsible for all field equipment such as smart phones and tablet devices.
3. HEI staff will strive to respond within two business days, but there may be times when both Brian and Chris are out of the office for more than two business days.
4. HEI will add content to the maximum extent possible as part of the normal workflow process as District Engineer as part of project-specific costs.

SCOPE OF SERVICES



**Task Order No. 2025-003
Rice Creek Watershed District**



MS4Front Annual Subscription and Implementation Services

SIGNATURES:

The services described by this Task Order are being provided in accordance with the Professional Services Agreement between the Rice Creek Watershed District and Houston Engineering dated May 14, 2008, as amended and extended. This **Task Order** shall be effective **January 1, 2025** as authorized by the signatures of representatives of the Rice Creek Watershed District and Houston Engineering, Inc.

Rice Creek Watershed District

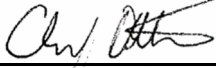
By: _____

Name: Nick Tomczik

Title: Administrator

Date: _____

Houston Engineering, Inc.

By: 

Name: Chris Otterness

Title: District Engineer

Date: February 5, 2025

ITEMS REQUIRING BOARD ACTION

8. Check Register Dated February 12, 2025, in the Amount of \$181,474.86 Prepared by Redpath and Company

Rice Creek Watershed District
Check Register
January 23, 2025 -February 12, 2025
To Be Approved at the February 12, 2025 Board Meeting

Check #	Date	Payee	Description	Amount	
26021	02/12/25	Blue Water Science	Contracted Services	\$19,900.00	2024
26022	02/12/25	Career Enhancement Options, Inc.	Contracted Services	1,595.00	2024
26023	02/12/25	City of White Bear Lake	Computer Software	712.54	
26024	02/12/25	Davey Resource Group, Inc.	Contracted Services	2,865.00	2024
26025	02/12/25	Friends of the Mississippi River	Contracted Services	19,000.00	2024
26026	02/12/25	Growing Green Hearts, LLC	Contracted Services	1,275.00	
26027	02/12/25	Metro Blooms	Contracted Services	8,100.00	
26028	02/12/25	ODP Business Solutions, LLC	Office Supplies	184.92	2024
26029	02/12/25	Print Central	Office Supplies	55.00	
26030	02/12/25	Ramsey County, Finance	Contracted Services	5,695.96	2024
26031	02/12/25	Ramsey County, Parks & Recreation	Contracted Services	360.00	2024
26032	02/12/25	Rinke Noonan	Legal Expense	1,536.50	2024
26033	02/12/25	Rymark	Professional Services	3,558.92	
26034	02/12/25	Timesaver Off Site Secretarial, Inc.	Professional Services	416.75	
26035	02/12/25	Uline	Field Supplies	45.97	
26036	02/12/25	US Geological Survey	Contracted Services	3,569.50	
26037	02/12/25	Washington Conservation District	Contracted Services	7,733.90	2024
26038	02/12/25	Woodland Restorations, LLC.	Contracted Services	2,450.00	
11443	02/12/25	Aspen Gardens Holdings, LLC	Surety Release - #17-007	7,200.00	
Payroll	02/15/25	Feb 15th Payroll (estimate)	Feb 15th Payroll (estimate)	39,224.12	
EFT	12/31/24	Card Services-Elan	January/February Credit Card	722.53	2024
EFT	02/12/25	Card Services-Elan	January/February Credit Card	2,448.94	
EFT	02/12/25	Comcast	Telecommunications	319.89	
EFT	02/01/25	Delta Dental of Minnesota	Employee Benefits	1,160.70	
EFT	02/05/25	Medica	Employee Benefits	24,450.72	
EFT	12/31/25	Wex Bank	Vehicle Fuel	108.01	2024
EFT	02/12/25	Wex Bank	Vehicle Fuel	167.26	
EFT	02/12/25	Xcel Energy	Telecommunications	5.76	
EFT	02/12/25	Xcel Energy	Telecommunications	12.67	
EFT	02/10/25	US Bank Equipment Finance	Equipment Lease	669.32	
EFT	02/15/25	Internal Revenue Service	2/15 Federal Withholding (estimate)	13,718.29	
EFT	02/15/25	Minnesota Revenue	2/15 State Withholding (estimate)	2,448.00	
EFT	02/15/25	Empower Retirement	2/15 Deferred Compensation	895.00	
EFT	02/15/25	Empower Retirement	2/15 Roth IRA	305.00	
EFT	02/15/25	Health Equity	2/15 HSA	453.83	
EFT	02/15/25	PERA	2/15 PERA (estimate)	8,109.86	
Total				\$181,474.86	

ITEMS FOR DISCUSSION AND INFORMATION

1. District Engineer Updates and Timeline



District Engineer - Monthly Project Report January 2025 Rice Creek Watershed District



Date Prepared:
Prepared by:

5-Feb-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	\$27,162	\$338	Y	100.0%	98.8%	Y	N/A	31-Dec-23	A public hearing was completed on January 22, 2025 to review and consider the public drainage system record.
ACD 53-62 Branches 5 & 6 Repair Report	Adam Nies	\$82,200	\$80,413	\$1,787	N	95.0%	97.8%	Y	N/A	30-Apr-24	A draft repair report has been submitted to District staff for review.
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	\$15,000	\$2,343	\$12,657	Y	8.3%	15.6%	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	\$15,000	\$180	\$14,821	Y	8.3%	1.2%	Y	N/A	31-Dec-25	We continued to make updates on an as-requested basis.
Enhanced Street Sweeping Initiative	Rachel Olm	\$29,000	\$27,733	\$1,268	N	95.0%	95.6%	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	\$21,417	\$9,483	N	70.0%	69.3%	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	\$6,565	\$936	Y	100.0%	87.5%	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	\$5,676	\$11,324	N	30.0%	33.4%	Y	N/A	7-Feb-25	We have started compiling information on WCA activities in 2024 in the CWPMP areas.

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 January 2025

