



JUNE						
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23	24	25	26	27	28	29
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JULY						
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28	29	30	31			

## RCWD BOARD OF MANAGERS REGULAR MEETING AGENDA

Wednesday, June 12, 2024, 9:00 a.m.

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

or via Zoom Meeting:

<https://us06web.zoom.us/j/81233607447?pwd=LWbYW1YzHc4ckfk0kyqtmZudNm3cl.1>

Meeting ID: 812 3360 7447

Passcode: 067171

+1 312 626 6799 US (Chicago)

Meeting ID: 812 3360 7447

Passcode: 067171

## Agenda

**CALL TO ORDER**

**ROLL CALL**

**SETTING OF THE AGENDA**

**APPROVAL OF BOARD MINUTES: MAY 22, 2024, REGULAR MEETING**

**CONSENT AGENDA**

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

### Table of Contents-Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
24-034	MA Holdings, LLC Apex Blaine, LLC Polo Crown, LLC Keva Blaine, LLC	Blaine	Final Site Drainage Plan	CAPROC 1 item

*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 June 5, 2024.*

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

No.	Applicant	Location	Project Type	Eligible Cost	Pollutant Reduction	Funding Recommendation
A24-02	City of Fridley	Fridley	Road Reconstruction Rain Gardens	\$62,682.52	Volume: 24.7% TSS: 24.2% TP: 29.47%	75% cost share of \$30,000 not to exceed 75%; or \$7,500/rain garden/ \$30,000 total, whichever cost is lower

*It was moved by Manager \_\_\_\_\_ and seconded by Manager \_\_\_\_\_, to approve the Water Quality Grant consent agenda as outlined in the above table, in accordance with RCWD Staff's Recommendation based on established program guidelines, dated June 5, 2024.*

## 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. Solitude Lake Management Partial Pay Request #1, Centerville Lake Alum Project (Matt Kocian)
2. JACON LLC Partial Pay Request #5 – AWJD 3 Branches 1, 2 & 4 Repair Project (Tom Schmidt)
3. Check Register Dated June 12, 2024, in the Amount of \$134,194.40 Prepared by Redpath and Company

## ITEMS FOR DISCUSSION AND INFORMATION

1. Common Carp Management Update (Matt Kocian)
2. District Engineer Update and Timeline
3. Administrator Updates
4. Manager's Update



**APPROVAL OF BOARD MINUTES: MAY 22, 2024, REGULAR  
MEETING**

For Consideration of Approval at the June 12, 2024 Board Meeting.  
Use these minutes only for reference until that time.

## REGULAR MEETING OF THE RCWD BOARD OF MANAGERS

Wednesday, May 22, 2024

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

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

## Minutes

### CALL TO ORDER

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

### ROLL CALL

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

Absent: None

Staff Present: District Administrator Nick Tomczik, Regulatory Manager Patrick Hughes, Outreach and  
Grant Technician Molly Nelson, Drainage and Facilities Manager Tom Schmidt, Office  
Manager Theresa Stasica

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

Visitors: None

### SETTING OF THE AGENDA

*Motion by Manager Weinandt, seconded by Manager Waller, to approve the agenda as presented.  
Motion carried 5-0.*

### READING OF THE MINUTES AND THEIR APPROVAL

*Minutes of the May 6, 2024 Workshop and May 8, 2024, Board of Managers Regular Meeting. Motion  
by Manager Robertson, seconded by Manager Weinandt, to approve the minutes, as presented.*

President Bradley suggested changes to page 1, line 17, of the May 6, 2024 Workshop minutes and asked  
that after, 'Manager Wagamon that' the following be inserted into the minutes 'if he desires Board review  
of the project, he should apply for a Watershed District permit and complete a Minnesota Wetland  
Conservation District joint application to start the project as soon as possible.' He stated that he would

also like to suggest a change on page 3, line 68, of the minutes from Board meeting on May 8, 2024, to strike the word 'water' and add the word 'garden' in its place.

Manager Robertson stated that she also had a change she would like to see on the May 6, 2024 Workshop minutes, on page 2, line 49 it states that she left the meeting due to a prior commitment. She explained that she had left the meeting just after 11:00 a.m. and the meeting adjourned at 11:11 a.m. and wanted it to be clear that she was in attendance for the majority of the meeting.

District Administrator Tomczik stated that staff will insert the time Manager Robertson actually left the meeting so that would be clear.

***Amended motion by Manager Robertson, second amended by Manager Weinandt, to approve the minutes, as revised.***

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

## **OPEN MIC/PUBLIC COMMENT**

None

## **ITEMS REQUIRING BOARD ACTION**

### **1. Houston Engineering Task Order 2024-006 Enhanced Street Sweeping Initiative**

Outreach and Grant Technician Nelson reviewed HEI Task Order 2024-006 for the Enhanced Street Sweeping Prioritization Study. She explained that this had been discussed at the April 8, 2024 Board Workshop meeting and reminded the Board that this would be executed under the Storm Water Master Planning account in an amount of \$29,000 and will be completed by December 31, 2024.

Manager Weinandt asked how the high priority areas were identified and who, at HEI, would serve as project manager and GIS scientist.

District Engineer Otterness explained that there are several different criteria to help identify the prioritization, such as how well treated the existing stormwater is within the watershed to the resource of concern. He stated that Rachel Ulm will serve as the Project Manager and noted that she had also helped draft and complete the Watershed Management Plan and stated that there will be a few different staff people that will helping with other aspects of the project.

Manager Weinandt stated that the street sweeping action was being considered State-wide and has also been an ongoing conversation within the Clean Water Council. She asked if the District, within GIS, already knows about the canopy and the BMPs that are on the ground. She asked if this information would be gathered through the database or if people would actually be out on the street gathering this information.

District Engineer Otterness explained that this would be an office exercise. He noted that there are some layers of data available and stated that they are trying to take the first step of identifying the prioritization and what could go into these plans that would be city specific, in the future.

Manager Waller noted that in the past this has been a subject of the Washington County Consortium meeting and tour and suggested that staff also check with the health department and the Washington County Conservation District, because they had conducted a street sweeping study in the Mahtomedi and Birchwood areas. He stated that Hugo has a vacuum street sweeper as does Forest Lake, so they may also want to contact them.

***Motion by Manager Weinandt, seconded by Manager Bradley, to authorize the Board President to execute the HEI Task Order 2024-006 to complete the RCWD Enhanced Street Sweeping Prioritization Study in an amount not to exceed \$29,000. Motion carried 5-0.***

- 2. Water Quality Grant W20-02 Fran Miron Waste Storage Facility Invoicing Schedule Authorization**
- Outreach and Grant Technician Nelson explained that the Washington Conservation District had reached out to staff regarding a possible payment prior to the completion of the waste storage facility. She reminded the Board that this project was being done in conjunction with the NRCS and the Washington Conservation District. She noted that the contractor has proposed an invoicing schedule that will be effective as of early June. She explained that the NRCS would have an engineer go out and inspect the project and report back to the other parties.

***Motion by Manager Waller, seconded by Manager Bradley, to authorize the W20-02 Fran Miron Waste Storage Facility Water Quality Grant cost-share payment of \$30,000.00 in coordination of the WCD/NRCS funds dispersal plan and upon delivery of confirmation from the NRCS that the project work completed at the time of payment is built according to the approved plans. Motion carried 5-0.***

**3. Ramsey County Ditch 4 Bid Consideration**

Drainage and Facilities Manager Schmidt stated that bids were opened on May 1, 2024 for repairs on RCD 4. He explained that the lowest successful bid was received from Valdes Lawn Care and Snow Removal, LLC.

***Motion by Manager Waller, seconded by Manager Bradley, to Adopt Resolution 2024-04 Awarding the Contract for the Repair of Ramsey County Ditch #4.***

Therefore, be it resolved by the RCWD Board of Managers that:

- A. The contract for the repair of Ramsey County Ditch #4 is awarded to Valdes Lawn Care and Snow Removal, LLC, for the contract price of \$104,165.00.

- 114 B. The District administrator shall sign and transmit the notice of award, sign the construction  
115 agreement, and issue the notice to proceed on advice of counsel and the District's  
116 engineer, when prerequisites for issuance and bonding have been met by the contractor.
- 117 C. The District administrator may sign task/change orders increasing the contract price in an  
118 aggregate net amount not to exceed 30% of the contract price (\$31,249.50) to address  
119 unforeseen conditions or omissions discovered as the project progresses.

120  
121 President Bradley stated that this company is one that handles lawn care, snow and tree removal,  
122 but noted that he did not see that they had any experience with dredging.

123 Drainage and Facilities Manager Schmidt clarified that dredging would not be part of this repair and  
124 explained that this would simply be for tree removal and vegetation management.

125 President Bradley asked what made this project be considered a 'repair'.

126 Drainage and Facilities Manager Schmidt explained that it was a repair to the right-of-way and  
127 access to the ditch.

128 District Engineer Otterness stated that this was definitely different than many of the District's other  
129 repair efforts and noted that it was closer to what was done on ACD 53-62 in Circle Pines where the  
130 largest portion of that effort was tree removal and gaining access. He confirmed that RCD 4 there  
131 is little to no sediment accumulation in the ditch.

132 President Bradley asked if the District had determined how they were going to recover these costs.

133 District Engineer Otterness explained that this repair was 60% Water Management District and 40%  
134 Ad Valorem, which is identical to what they have done in the past.

135 Manager Waller referenced page 29 of the packet under 'Review of Bids and Recommendation' and  
136 stated that there was a bullet point that says, 'Clearing, grubbing, erosion control, and turf  
137 establishment with for Washington County.' He asked what Washington County had to do with a  
138 Ramsey County ditch.

139 District Engineer Otterness stated that those particular bullet points were not actually describing  
140 what was being done on this project but were describing the contractor's previous projects. He  
141 explained that the contractor had worked with Washington County in the past, so what should be  
142 removed from that bullet point was just the word 'with'.

143 Manager Wagamon asked for a definition of what grubbing entails.

144 District Engineer Otterness stated that their definition of grubbing would be pulling the stumps out  
145 or grinding them in order to get rid of that material. He stated that for public drainage repairs, they  
146 almost always leave the stump and root mass in the ground so it helps hold the bank together. He  
147 explained that they flush cut, which means that they cut the tree down to within 2 inches of the  
148 surface.

Manager Weinandt asked about the bid amounts and stated that the District Engineer had estimate \$226,000 and the bid being considered is less than half that amount. She stated that all of the other bids were also under the engineer's estimate and asked what that communicated to the District.

District Engineer Otterness stated that when they had prepared the probable cost for the project, they were very conservative on the costs, particularly for tree removal and hydroseeding because they felt the contractors may have concerns regarding access along this area which could equate to inflated costs. He stated that as it turned out the contractors who bid the project did not share that perspective and noted that the bid from Valdes included only \$2,400 in mobilization for the project. He noted that he had recommended budgeting an additional 30% for potential change orders, because the costs came in so low, in order to handle any unforeseen circumstances that may arise.

**ROLL CALL:**

***President Bradley – Aye***

***Manager Robertson – Aye***

***Manager Wagamon – Aye***

***Manager Waller – Aye***

***Manager Weinandt – Aye***

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

- 4. Check Register Dated May 22, 2024, in the Amount of \$290,252.56 and May Interim Financial Statements Prepared by Redpath and Company**

***Motion by Manager Weinandt, seconded by Manager Robertson, to approve check register Dated May 22, 2024, in the Amount of \$290,252.56 and May Interim Financial Statements Prepared by Redpath and Company. Motion carried 5-0.***

District Administrator Tomczik stated that it was notable that the audit that was completed in 2023 was now reflected in the monthly reports.

**ITEMS FOR DISCUSSION AND INFORMATION**

**1. Staff Reports**

**2. June Calendar**

District Administrator Tomczik stated that the Minnesota Watersheds Summer Tour will coincide with the RCWD Board meeting on June 26, 2024, the Bus Tour will take place on June 26, 2024. He asked if a quorum of the Board is available when some of the managers plan to attend. He explained that if there was not a quorum they could look at moving the meeting to Thursday of that week.

189 Manager Weinandt stated that there are two tours on June 26, 2024 and stated that she was  
190 thinking that she would join the tour following the Board meeting. She noted that if that meeting  
191 has a light agenda like today's meeting, she felt the Board could easily attend both the Board  
192 meeting and one of the tour options.

193  
194 President Bradley stated that he would also be happy to carpool with other Board members in order  
195 to catch up with the tour, if necessary.

196  
197 Manager Waller stated that he would be present for the board meeting.

198  
199 Manager Wagamon stated that he was not yet sure about his attendance.

200  
201 Manager Robertson stated that she also serves on the Met Council Transportation Advisory Board  
202 and because of the Juneteenth holiday, they have moved their meeting to June 12, 2024. She  
203 explained that she intended to try to attend both meeting, but wanted to give the District a heads  
204 up in case there ended up being scheduling conflicts on that day.

205  
206 Manager Weinandt stated that she would not be at the Board meeting on June 12, 2024.

207  
208 Manager Robertson stated that she was willing to attend remotely, if necessary, since Manager  
209 Weinandt would not be in attendance.

### 210 211 **3. Administrator Updates**

212 District Administrator Tomczik stated that the District continues to work with FEMA on floodplain  
213 mapping associated with Hansen Park in New Brighton. He stated that some of the homes around  
214 the park are located within the FEMA floodplain based on the historic modeling and noted that the  
215 District finds the modeling to be incorrect. He explained the district is in communication with New  
216 Brighton and the District continues to work with FEMA on resolving that issue.

217  
218 Manager Waller stated that he felt it was important to note that the City of New Brighton had  
219 requested that the District work with them on this item.

220  
221 District Administrator Tomczik stated that at the last Board meeting the Board had some questions  
222 about the CEO Human Resources agreement. He explained that under the running contract, at the  
223 end of April \$12,000 remains available and within the 2024 budget has \$40,000 remaining. He  
224 stated that while there are available dollars, the agreement would need amendment before the end  
225 of the year and felt that if the agreement was going to be changed, it was best to do it only once.  
226 He stated that the concurrence letters are coming together regarding the District's legal boundary  
227 and should be sent out soon to the partners. He noted that the JD3 work is coming to a close and  
228 staff was continuing to field some concerns from landowners. He stated that issues with beavers  
229 have been quite extensive this year. He stated that Lake and Stream Manager Matt Kocian has

230 reported on the Centerville Lake Alum treatment and noted that the first phase was wrapping up.  
231 He explained that they ended up applying nearly 200,000 gallons of alum treatment and noted that  
232 everything went according to plan. He explained that he had filled one of the Staff Inspector  
233 positions and has had some interest for the Project Manager and Program Support positions. He  
234 stated that he was hopeful that there will be signed agreements in the near future.  
235

#### 236 **4. Managers Update**

237 Manager Waller stated that he had gotten some complaints from the Mahtomedi area about  
238 flooding on Birchwood Road and also a complaint from Birchwood about beavers in Hall's Marsh.  
239 He noted that the DNR Administrative Law Judge made a decision that was announced late last week  
240 regarding White Bear Lake. He stated that he had not yet read details of the decision, but from  
241 what he has gathered, the decision just shifted the responsibilities. He noted that he was  
242 disappointed to read that the State's bonding bill had not passed and hopes that they will be able  
243 to get additional information about that while they are on the bus tours. He stated that he has heard  
244 that Lake and Stream Manager Kocian gave a nice presentation at the Clear Lake HOA and explained  
245 that he also received compliments regarding Lake and Stream Manager Kocian's knowledge and  
246 interest.  
247

248 Manager Wagamon referenced the June calendar and clarified that he would be at all of the District  
249 meetings, but was not sure if he would be able to attend the bus tour.  
250

251 Manager Robertson stated that she also wanted to compliment Lake and Stream Manager Kocian  
252 because she thinks he is doing a fantastic job on Centerville Lake and noted that she has enjoyed  
253 seeing the updates and visuals of the process. She commended staff for doing such a great job of  
254 highlighting that work. She thanked District Administrator Tomczik for providing the details  
255 related to the CEO Human Resources contract information but asked that when this comes back  
256 around for further discussion, she would also like to see how the dollar amounts were being used,  
257 so she can more fully understand the content behind the charges.  
258

#### 259 **ADJOURNMENT**

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

261 ***Motion carried 5-0.***  
262



## CONSENT AGENDA

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

### Table of Contents-Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
24-034	MA Holdings, LLC Apex Blaine, LLC Polo Crown, LLC Keva Blaine, LLC	Blaine	Final Site Drainage Plan	CAPROC 1 item

*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 June 5, 2024.*

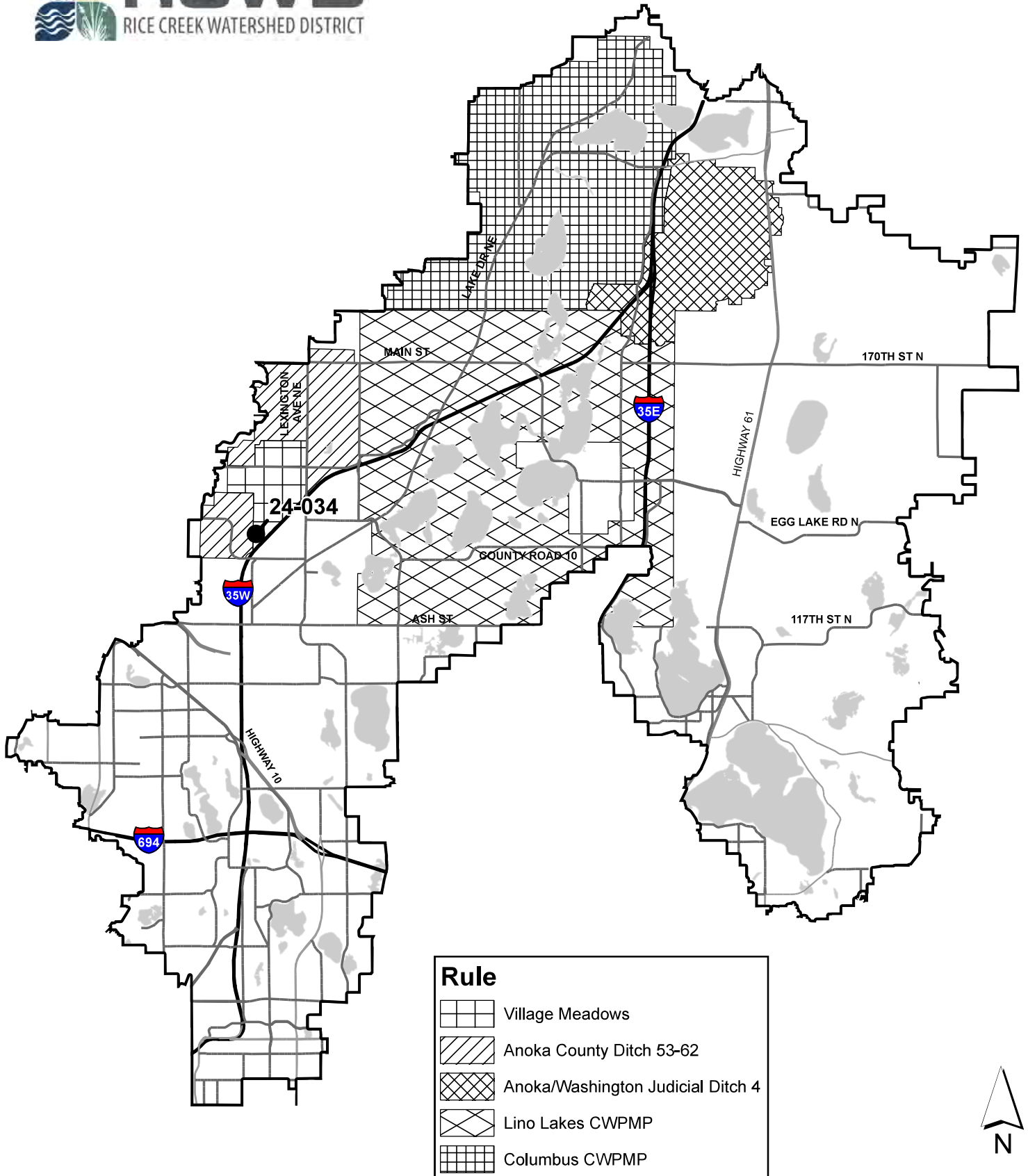
**RICE CREEK WATERSHED DISTRICT  
CONSENT AGENDA**

**June 12, 2024**

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 June 5, 2024.

**TABLE OF CONTENTS**

<b>Permit Application <u>Number</u></b>	<b><u>Applicant</u></b>	<b><u>Page</u></b>	<b><u>Recommendation</u></b>
	Permit Location Map	13	
24-034	MA Holdings, LLC Apex Blaine, LLC Polo Crown, LLC Keva Blaine, LLC	14	CAPROC





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

Permit Application Number:

24-034

Permit Application Name:

Crown Iron Works Addition

---

Applicant/Landowner:

MA Holdings, LLC  
Attn: R Michael Armstrong  
3945 Market Street Apt. 512  
Edina, MN 55424

Apex Blaine, LLC  
Attn: Ashish Aggarwal  
11800 Singletree Lane STE 301  
Eden Prairie, MN 55344

Polo Crown, LLC  
Attn: Yoni Nitzani  
11800 Singletree Lane STE 301  
Eden Prairie, MN 55344

Keva Blaine, LLC  
Attn: Rajeev Mangalick  
11800 Singletree Lane STE 301  
Eden Prairie, MN 55344  
Ph: 612-872-2302

Permit Contact:

CPM  
Attn: Daniel Rathbun  
Daniel.Rathbun@cpm.net

Mohagen Hansen  
Attn: Mike Silvestrini  
1000 Twelve Oaks Center Dr STE 200  
Wayzata, MN 55391  
Ph: 952-426-7442  
msilvestrini@mohagenhansen.com

Server Construction Company  
Attn: Jacob Sprecher  
5151 Edina Industrial Blvd STE 650  
Edina, MN 55439  
Ph: 952-746-5338  
jake.sprecher@severco.com

Project Name: Crown Iron Works Addition

Purpose: FSD – Final Site Drainage; Office addition and utility work

Site Size: 2 parcels totaling 18.64± acres / 0.55 ± acres of disturbed area; existing and proposed impervious areas are 4.55± acres and 4.77± acres, respectively

Location: 9879 Maples St NE, Blaine

T-R-S: NW ¼, Section 26, 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:

Administrative

1. 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 or indicate if the plan set dated 2-23-2024 is final.

Stipulations: None.

Exhibits:

1. Plan set containing 31 sheets dated 2-23-2024 and received 5-1-2024
2. MS4 Permit application receipt, received 5-1-2024
3. Stormwater Calculations, dated 4-23-2024 and received 5-1-2024, containing narrative, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions
4. Signed escrow agreement, dated 6-3-2024 and received 6-4-2024.
5. \$1,000 surety check, dated 5-30-2024 and received 6-4-2024.
6. Permit 18-030.

Findings:

1. Description – The project proposes to construct a building addition on a site totaling 18.64± acres parcel located in Blaine. The project will increase the impervious area from 4.55± acres to 4.77± acres and disturb 0.55± acres overall. The project area will drain via storm sewer to 2 existing stormwater ponds. The ponds discharge to a series of wetlands located on and adjacent to the site which ultimately outlet into Golden Lake, which is the resource of concern. The applicant has submitted a \$3,000 application fee for a Rule C permit creating less than 5 acres of new and/or reconstructed impervious surface.
2. Stormwater – The applicant is proposing to use two existing BMPs as described below for the project:

Existing BMP Description	Location	NURP requirement	As-built Volume provided	EOF
NURP Pond North	NURP Pond North	21,668± cubic feet	33,233± cubic feet	NA
NURP Pond South	South Side of Site	27,062± cubic feet	41,533± cubic feet	NA

Soils on site are primarily silty sands and poorly graded sands (HSG B) soils. However, infiltration is not considered feasible due to a high-water table and NURP ponds are acceptable to meet the water quality requirement. Per Rule C.6(c)(1), the Water Quality requirement is 2.2-inches over the new/reconstructed area (14,8778 SF), however NURP sizing criteria governs. An as-built survey was received, demonstrating that the ponds were built to plan.

The pond sizing, and outlets and overflows are consistent with the design criteria of Rule C.9(d). The applicant has treated 98% of the project area. Additional TSS removal is not practicable. The applicant has met all the Water Quality requirements of Rule C.6.

Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
West of Site	0.3	0.6	1.1	1.3	3.1	3.1
East Wetland	5.5	3.9	9.2	5.9	17.8	13.3
North Wetland	2.2	0.2	4.4	0.7	10.2	2.3
South Wetland	2.1	0.2	4.6	0.9	11.1	2.8
Totals (In Aggregate)	10.1	4.9	19.3	8.8	42.2	21.5

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

The applicant has complied with the bounce and inundation requirements of C.8 and freeboard requirements of Rule C.9(g).

3. Wetlands – The project will not impact any wetlands. The project area is located within the Village Meadows CWPMP boundary. All wetland and CWPMP requirements were fulfilled under permit 18-030.
4. Floodplain – There are three regulatory floodplain elevations on site: 904.0 to the west, 902.9 to the northwest and 901.7 north. All based on the 24-hour rainfall and NAVD 88. The project will not create any floodplain impacts.
5. Erosion Control – Proposed erosion control methods include silt fence, and inlet protection. The project will disturb less than 1 acre; an NPDES permit nor a SWPPP is required, however a SWPPP is located on plan sheets C.2 and C.3. The project does not flow to a nutrient impaired water (within 1 mile). The project complies with RCWD Rule D requirements. The erosion control contact is Jake Sprecher of Server Construction Company as listed under Permit Contacts above.
6. Regional Conveyances – Rule G is not applicable.
7. Public Drainage Systems – Rule I is not applicable. ACD 53-62 Branch 6 is located on the property and an acceptable easement was placed on the property under permit 18-030.
8. Documenting Easements and Maintenance Obligations – An acceptable maintenance declaration and WMC easement/declaration was recorded under permit 18-030. No drainage easements were required.
9. Previous Permit Information – The site and stormwater ponds were constructed under permit 18-030.

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.



06/05/2024

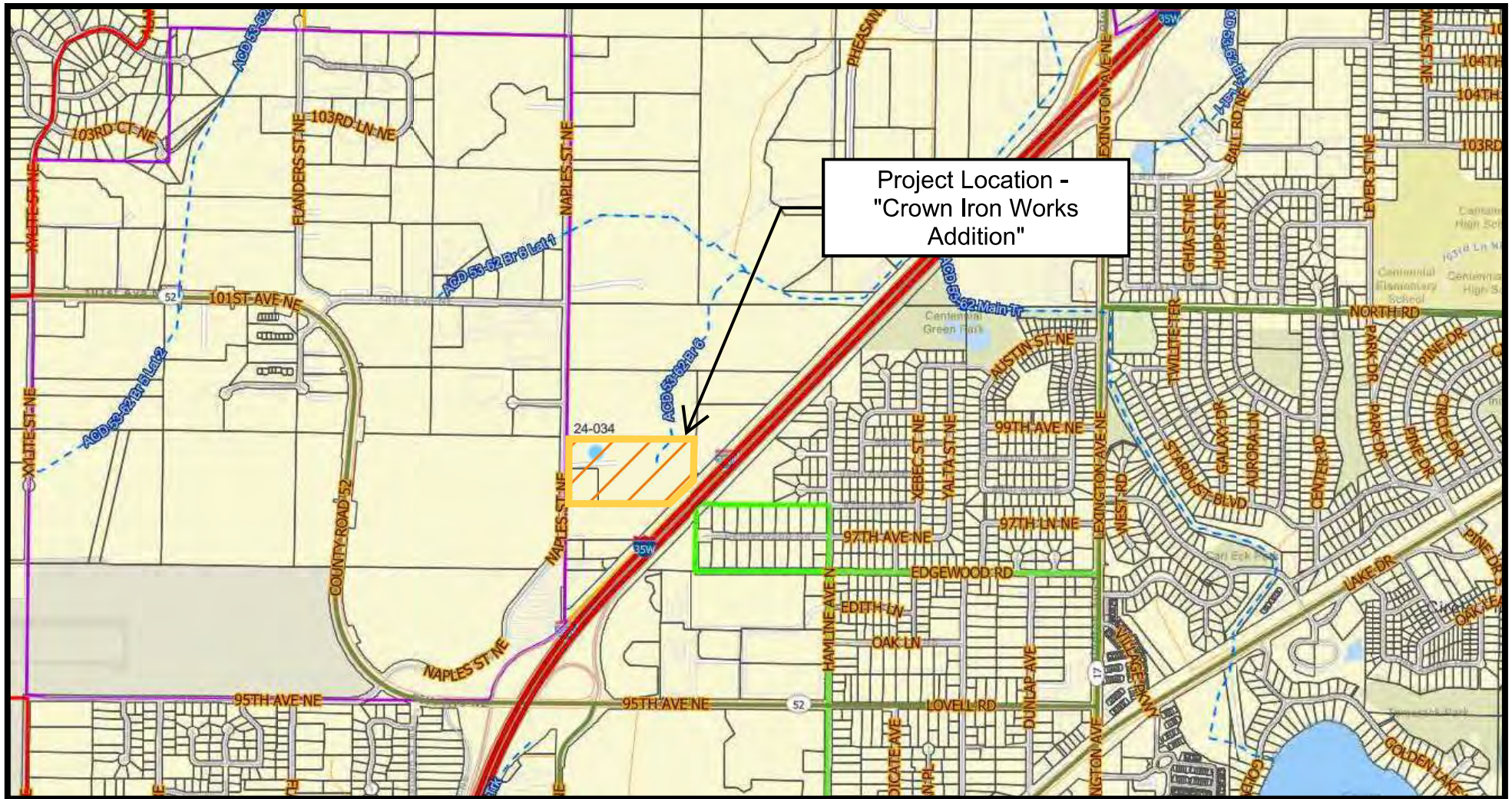
Greg Bowles, MN Reg. No 41929



06/05/2024

Katherine MacDonald, MN Reg. No 44590





## Legend



District Boundary



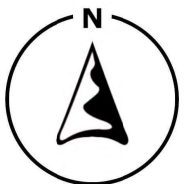
Project Location



Public Ditch - Open Channel



Private Ditch





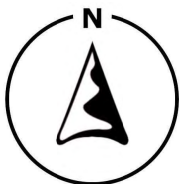


## Legend

 Project Location

 Building addition

 Drainage Arrow





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

<b>No.</b>	<b>Applicant</b>	<b>Location</b>	<b>Project Type</b>	<b>Eligible Cost</b>	<b>Pollutant Reduction</b>	<b>Funding Recommendation</b>
A24-02	City of Fridley	Fridley	Road Reconstruction Rain Gardens	\$62,682.52	Volume: 24.7% TSS: 24.2% TP: 29.47%	75% cost share of \$30,000 not to exceed 75%; or \$7,500/rain garden/ \$30,000 total, whichever cost is lower

*It was moved by Manager \_\_\_\_\_ and seconded by Manager \_\_\_\_\_, to approve the Water Quality Grant consent agenda as outlined in the above table, in accordance with RCWD Staff's Recommendation based on established program guidelines, dated June 5, 2024.*

# MEMORANDUM

## Rice Creek Watershed District



**Date:** June 5<sup>th</sup>, 2024  
**To:** RCWD Board of Managers  
**From:** Molly Nelson, Outreach and Grants Technician  
**Subject:** RCWD Water Quality Grant Program Application, A24-02 2024 Fridley Road Reconstruction Rain Gardens

### Introduction

A24-02 Fridley Road Reconstruction Rain Gardens (4 curb-cut rain gardens)

- Applicant: The City of Fridley
- Location: 6619 Channel Rd. NE; 6609 Channel Rd. NE; 6805 Channel Rd. NE; 6810 Channel Rd. NE, Fridley, MN
- Total Eligible Project Cost: \$62,682.52
- RCWD Grant Recommendation: \$30,000.00 (75%)

### Background

The City of Fridley is proposing to construct four rain gardens on residential properties in the Channel Rd. NE neighborhood adjacent to Rice Creek. These properties were identified as strategic rain garden locations during a neighborhood-specific drainage analysis completed by the Anoka Conservation District on behalf of the City of Fridley. The City used this list of candidate locations to target landowners for rain garden installation in conjunction with a street rehabilitation project occurring in the same neighborhood. ACD provided site assessments and designs based on landowner interest, which resulted in the four projects proposed in this application. The city will act as the project manager for the grant and provide the cost- share match. The property owners have all agreed to provide ongoing maintenance of the rain gardens and will enter into maintenance agreements with Rice Creek Watershed District and the City.

Currently, all the stormwater runoff from the roadways adjacent to these properties flows to and through the storm sewer system directly to Rice Creek, untreated. These rain gardens would be installed in conjunction with a hydrodynamic separator at the downstream catch basin, which has been approved for funding assistance from RCWD's Stormwater Management Grant Program. The estimated cumulative pollutant reductions for the proposed project are: 24.7% reduction in volume (57,063 cu-ft/year), 24.2% reduction in total suspended solids (TSS) (470 pounds/year), and a 29.47% reduction in total phosphorus (TP) (2.93 pounds/ year). The project location scored a value of 23 on the Water Quality Grant Program Screening form and is eligible for the RCWD Water Quality Grant program.

The ACD estimated the installation work for all four raingardens would cost \$51,173.76 including 10% contingency and the curb cut work would cost \$11,508.76. The city has secured North Valley, Inc for the curb cut, bunker, and pretreatment chamber installations and work is expected to commence directly after July 4th, 2024. The four rain gardens will be combined into a single bid package for a landscaping contractor which has yet to be solicited by the city. Like the City of White Bear Lake's street reconstruction raingarden project process, the City of Fridley will enter into an agreement with

## **MEMORANDUM**

### **Rice Creek Watershed District**



the low bidder. The District will enter into a grant agreement with the city and instead of the four landowners providing a match for the project, the city will be covering all the project match. The District will require operation and maintenance agreements with each individual landowner, who will be responsible for the raingarden maintenance and maintenance costs.

The project application was discussed at the CAC meeting on June 5th. The CAC was supportive of the project and recommended it as presented. Motion carried 7-0.

#### **Staff Recommendation**

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality Grant funds for A24-02 2024 Fridley Road Reconstruction Rain Gardens.

#### **Request for Proposed Motion**

Manager \_\_\_\_\_ moves to authorize the Administrator, on advice of counsel, to approve the Water Quality Grant Contract of \$30,000.00 not to exceed 75% of eligible project costs or up to \$7,500.00 per rain garden, whichever amount is lower, as outlined in the consent agenda and in accordance with the RCWD Staff's recommendation and established program guidelines.

#### **Attachments**

Water Quality Grant A24-02 application items.



**ANOKA CONSERVATION DISTRICT**

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

**MEMORANDUM**

**TO: RCWD Board of Managers and Citizen Advisory Committee**  
**FROM: Breanna Keith, Anoka Conservation District**  
**DATE: May 27, 2024**  
**SUBJECT: Water Quality Grant Program Application – City of Fridley Channel Rd NE Rain Garden Project, Rice Creek**

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The following summarizes the RCWD Water Quality Grant Program application to cost-share the installation of four curb-cut rain gardens in the City of Fridley. These rain gardens would infiltrate stormwater runoff that otherwise flows to Rice Creek untreated.

**PROJECT DESCRIPTION**

The City of Fridley is proposing to construct four rain gardens on residential properties in a neighborhood adjacent to Rice Creek (Figure 1). Construction is anticipated in summer 2024. The properties were identified as priority rain garden locations during a neighborhood-specific drainage analysis completed by the Anoka Conservation District at the request of the City of Fridley.

The City used these priority rain garden locations to target landowners for rain garden installation in conjunction with a street rehabilitation project occurring in the same neighborhood. Based on landowner interest, ACD provided site assessments and designs, which resulted in the four projects proposed in this application.

Stormwater runoff that flows by each of the four proposed rain garden locations is currently piped directly to Rice Creek. Curb-cut rain gardens at these locations will provide reductions in runoff volume, total suspended solids (TSS), and total phosphorus (TP) reaching Rice Creek, Locke Lake, and ultimately the Mississippi River. Cumulatively, the contributing drainage area to the four proposed rain garden locations is nearly three acres and comprised of medium-density residential land use.

Because this area of the watershed is fully developed, large regional options for treatment are limited. The four proposed rain garden locations are optimally positioned because they have large contributing drainage areas for the neighborhood, provide sufficient space for appropriately sized rain gardens, have minimal utility conflicts, and have appropriate underlying soils for infiltration.

Regarding the designs, ACD staff worked with landowners of the four properties to size basins appropriately for each contributing drainage area and position the rain gardens in approved locations. Designs accounted for existing landscaping, yard slope, underlying soils and utilities, and landowner requests. Planting plans were also developed in collaboration with landowners to incorporate requested native species.

The City will act as the project manager for the grant and provide the required cost-share match. The property owners have all agreed to provide ongoing maintenance of the rain gardens and will enter into maintenance agreements with RCWD and the City.

Rain garden construction is anticipated to occur in two stages; first, the curb cuts, inlet aprons, and bunkers for each will be installed at the same time as the road reconstruction. Then, a separate landscaping contractor will install the remaining garden components.



*Figure 1. Four proposed rain garden locations (parcel boundaries shown in red) and associated contributing drainage areas (light blue polygons).*

## ESTIMATED VOLUME AND POLLUTANT REDUCTIONS

Cumulatively, the six proposed rain gardens are estimated to provide 57,063 cf of volume reduction (24.7%), 470 lbs of TSS reduction (24.2%), and 2.929 lbs of TP reduction (29.47%) annually. Each proposed rain garden was modeled using WinSLAMM. Property-specific and cumulative reductions are shown in the table below.

ADDRESS	ANNUAL REDUCTIONS					
	VOLUME REDUCTION (CF)	VOLUME REDUCTION (%)	TSS REDUCTION (LBS)	TSS REDUCTION (%)	TP REDUCTION (LBS)	TP REDUCTION (%)
6619 Channel Rd. NE	26,571	11.52%	234	12.02%	1.44	14.49%
6609 Channel Rd. NE	18,730	8.12%	165	8.48%	1.02	10.26%
6805 Channel Rd. NE	9,583	4.11%	72	3.70%	0.474	4.77%
6810 Channel Rd. NE	8,276	3.62%	56	2.88%	0.347	3.49%
<b>TOTAL*</b>	<b>56,192</b>	<b>24.33%</b>	<b>677</b>	<b>34.79%</b>	<b>3.569</b>	<b>35.91%</b>

*\* TOTAL values include the benefits of the hydrodynamic separator which will be installed at the downstream catch basin, and also reflect the treatment train effects produced by gardens at 6609 and 6619 Channel Rd NE, which are paired to treat the same (large) drainage area.*

WinSLAMM modeling assumptions included street cleaning for existing conditions and a 1.63"/hour infiltration rate of underlying native soils for all four infiltration basins.

## ELIGIBLE EXPENSES AND REQUESTED FUNDING

The ACD has generated an itemized cost estimate totaling \$51,173.76 for all four rain gardens, including a 10% contingency. All gardens have been combined into a single bid package for both the road and landscaping contractors. Currently, the City has not yet solicited a bid for the landscaping contractor. The City has secured a road contractor (North Valley Inc.) who will install the curb cuts and bunker pretreatment chambers amounting to \$11,508.76. This work is anticipated to begin immediately after July 4<sup>th</sup>. The bid package for the landscaping contractor to complete the remainder of the project installation will be presented for recommendation and approval at the August CAC meeting. The City will then enter into an agreement with the low bidder.

Given the anticipated water quality benefits to Rice Creek and cost estimates exceeding \$10,000 per garden, we recommend cost share funding at 75%, up to \$30,000 (\$7,500 per site). The City will be covering all of the project match.

## STAFF NOTES

Landowners have been highly engaged in the project planning process and are excited for this opportunity. The RCWD, ACD, and City of Fridley recently (2022) collaborated on the successful installation of six rain gardens in Fridley's Rice Creek Terrace neighborhood.

## RECOMMENDATION

**Approve Water Quality Grant Program application for RCWD cost-share up to \$30,000.**

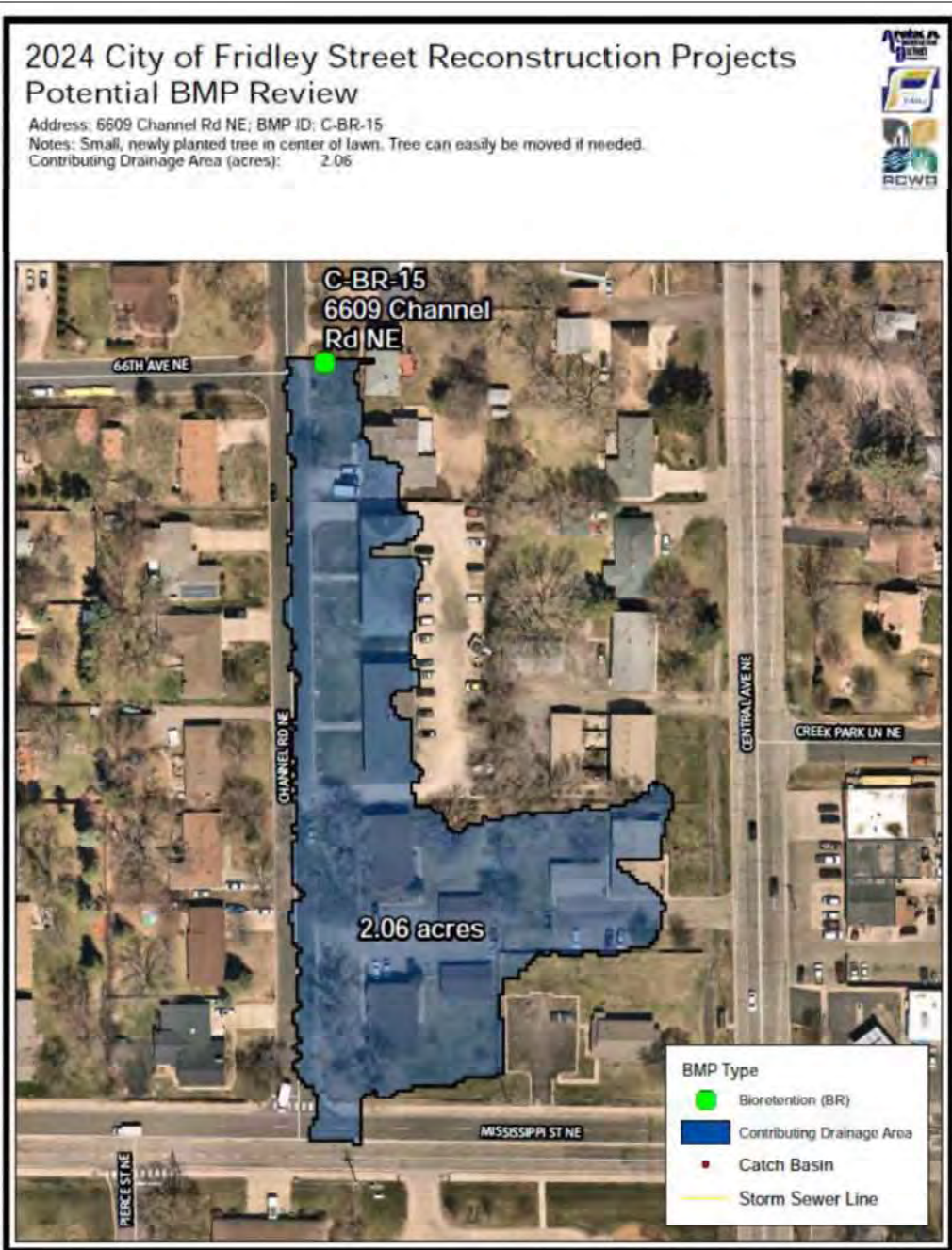
## SITE PICTURES

See attached plan set. Three pictures are provided for each proposed rain garden location.



C-BR-15

6609 Channel Rd. NE





C-BR-13

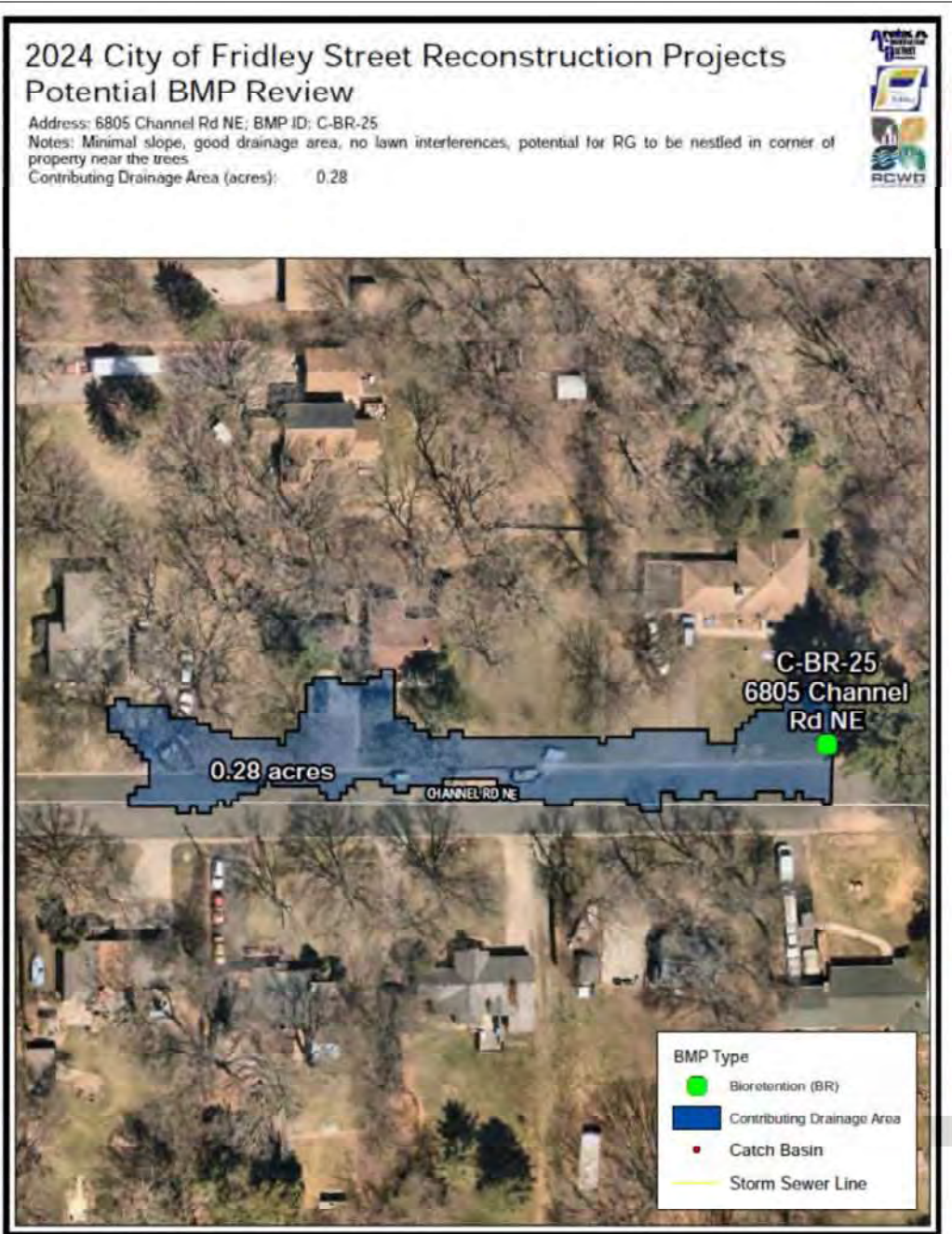
6619 Channel Rd. NE





C-BR-25

6805 Channel Rd. NE





C-BR-26

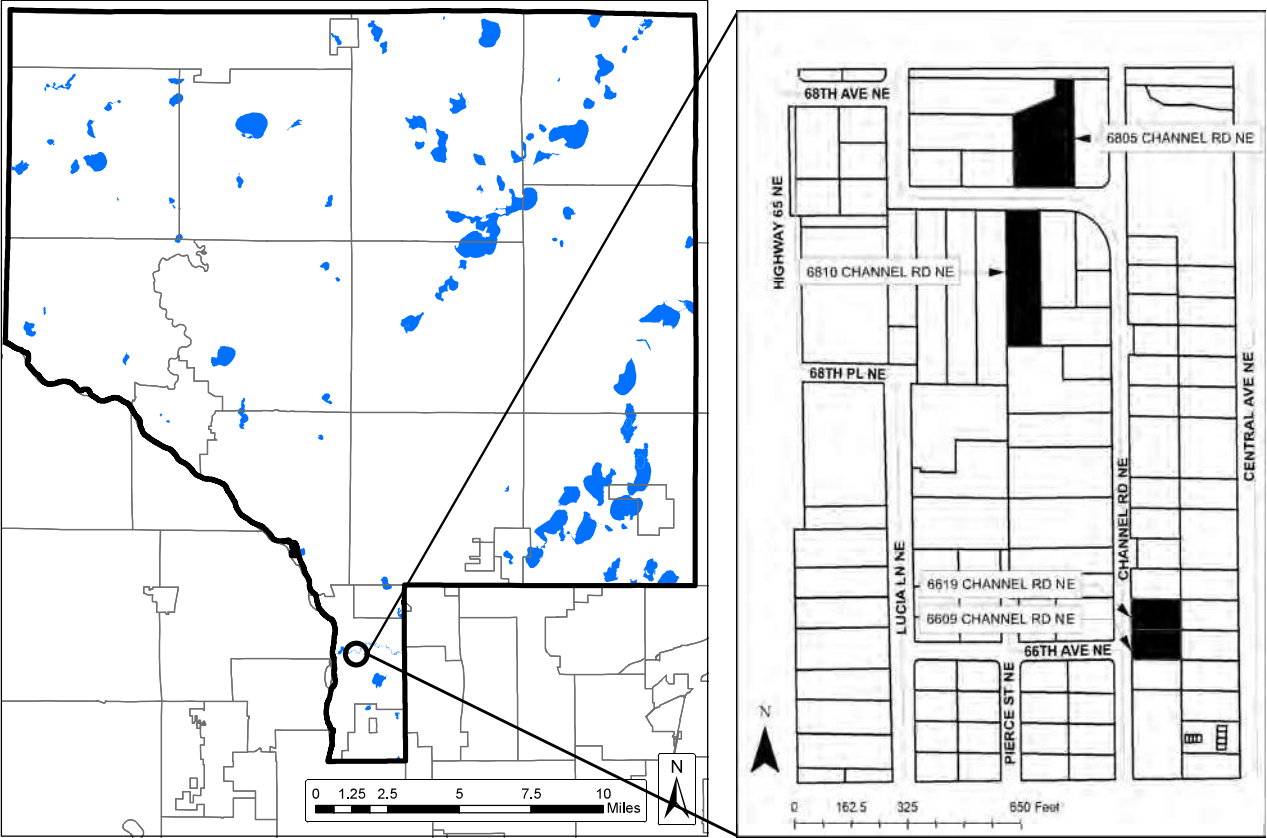
6810 Channel Rd. NE



# RICE CREEK RAIN GARDEN PROJECTS

## CHANNEL ROAD NE NEIGHBORHOOD

### FRIDLEY, MN




FRIDLEY, ANOKA COUNTY

## PROJECT LOCATIONS

**PROJECT SUMMARY**

Curb-cut bioinfiltration basins (4) will improve water quality in Rice Creek.

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	PROJECT LOCATIONS MAP
2	STANDARD INLET APRON DETAIL
3	RAIN GUARDIAN BUNKER PRETREATMENT CHAMBER DETAIL
4	6805 CHANNEL RD NE SITE PICTURES
5	6805 CHANNEL ROAD NE EXISTING/PROPOSED CONDITIONS
6	6805 CHANNEL RD NE PLANTING PLAN
7	6619 CHANNEL RD NE SITE PICTURES
8	6619 CHANNEL RD NE EXISTING/PROPOSED CONDITIONS
9	6619 CHANNEL RD NE PLANTING PLAN
10	6609 CHANNEL RD NE SITE PICTURES
11	6609 CHANNEL RD NE EXISTING/PROPOSED CONDITIONS
12	6609 CHANNEL RD NE PLANTING PLAN
13	6609 CHANNEL RD NE INLET APRON DETAIL
14	6810 CHANNEL RD NE SITE PICTURES
15	6810 CHANNEL RD NE EXISTING/ PROPOSED CONDITIONS
16	6810 CHANNEL RD NE PLANTING PLAN
17	6810 CHANNEL RD NE INLET APRON DETAIL
18	ESTIMATED SCHEDULE AND QUANTITIES




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

**PROJECT:**  
Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
Channel Rd NE Neighborhood

**CLIENT:**  
City of Fridley

**WATERSHED DISTRICT:**



**DESIGNED BY:** BREANNA KEITH  
**DATE:** 05/15/2024  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** MDH

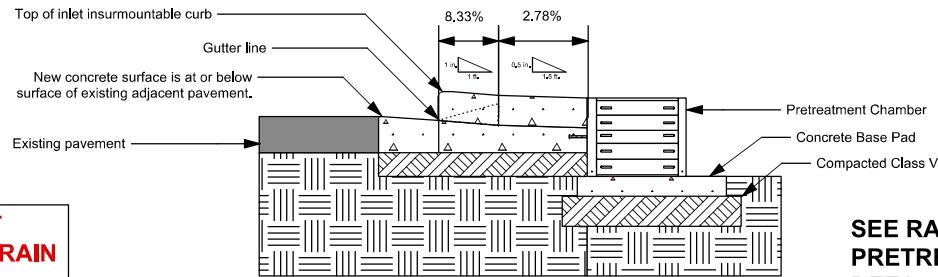
**NOTES:**

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

**SCALE:** VARIABLE

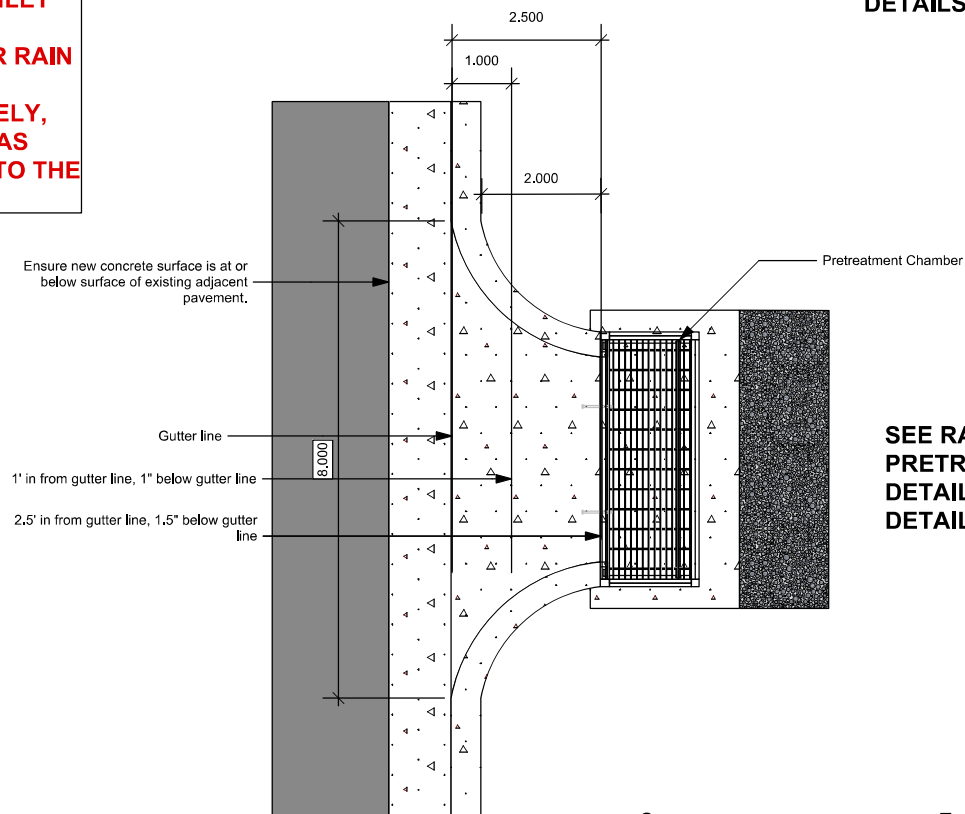
**PROJECT LOCATIONS MAP**

**SHEET 1/18**

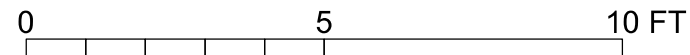


**SEE RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
DETAIL SHEET FOR INSTALLATION  
DETAILS**

**NOTE: THIS STANDARD INLET  
DETAIL WILL BE APPLIED TO RAIN  
GARDENS AT 6805 AND 6619  
CHANNEL RD NE. UNIQUE INLET  
DESIGNS ARE PROVIDED ON  
SHEETS 13/18 AND 17/18 FOR RAIN  
GARDENS AT 6609 AND 6810  
CHANNEL RD NE, REPECTIVELY,  
GIVEN THE PRESENCE OF GAS  
LINES RUNNING PARALLEL TO THE  
CURB.**



**SEE RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
DETAIL SHEET FOR INSTALLATION  
DETAILS**



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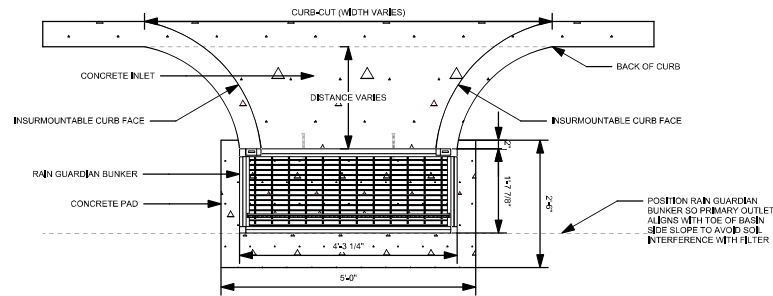
**SCALE:** VARIABLE

**STANDARD INLET  
APRON DETAIL**

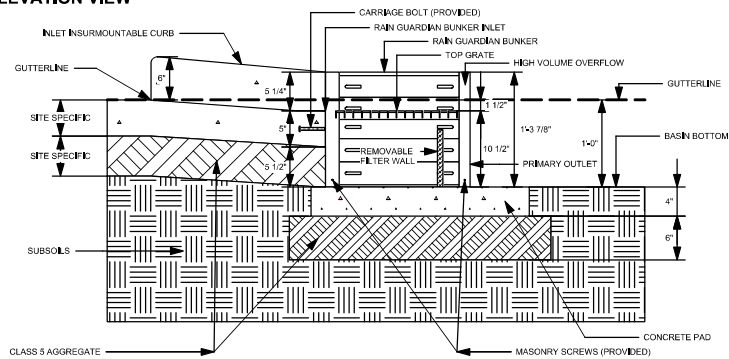
**SHEET 2/18**



### PLAN VIEW



**ELEVATION VIEW**



## PLAN VIEW NOTES

1. INLET WIDTH AND DISTANCE BETWEEN BACK OF CURB AND RAIN GUARDIAN BUNKER MAY VARY WITH SITE CONDITIONS. INSTALLATION FLUSH WITH THE BACK OF THE CURB CAN ALSO BE COMPLETED WITH THE RAIN GUARDIAN BUNKER.

2. CONCRETE PAD EXTENDS BEYOND THE FILTER WALL OF THE RAIN GUARDIAN BUNKER TO SERVE AS A SPLASH DISSIPATOR.

## SPECIFICATIONS

1. CHAMBER CONSTRUCTED OF RECYCLED PLASTIC LUMBER (95%+) MANUFACTURED AND DESIGNED TO ASTM C1028, D6108, D6109, D6111, D6117, AND D6341 (54 LBS).  
2. TOP GALVANIZED METAL GRATE (35 LBS, 1" THICK) - 316 LB CONCENTRATED LOAD OR 158 LB/SQ-FT UNIFORM LOAD.

## INSTALLATION NOTES

1. INSTALL THE CONCRETE PAD WITH A 1' 10" OFFSET FROM THE BACK OF THE CURB TO ACCOMMODATE THE CONCRETE INLET. THIS DISTANCE MAY VARY BASED ON SITE CONDITIONS, BUT CONSIDERATIONS SHOULD INCLUDE SLOPE OF THE INLET AND BASIN SIDE SLOPES ADJACENT TO THE RAIN GUARDIAN BUNKER, POSITION RAIN GUARDIAN BUNKER SO PRIMARY OUTLET ALIGNS WITH TOE OF BASIN SIDE SLOPE TO AVOID SOIL INTERFERENCE WITH REMOVABLE FILTER WALL. THE CONCRETE PAD SHOULD BE REINFORCED WITH REBAR.

2. EXCAVATE 1' 10" BELOW THE GUTTERLINE ELEVATION (I.E. THE BI-RETENTION OVERFLOW ELEVATION) TO ACCOMMODATE THE 1' PONDING DEPTH, 6" CLASS 5 AGGREGATE, AND 4" CONCRETE PAD TO WHICH THE RAIN GUARDIAN BUNKER WILL BE SECURED, THEREFORE, THE TOP OF THE FINISHED CONCRETE PAD IS PRECISELY 1' BELOW THE GUTTERLINE ELEVATION, THE TOP OF THE RAIN GUARDIAN BUNKER METAL GRADE WILL BE 10-1/2" ABOVE THE TOP OF THE CONCRETE PAD AND 11-1/2" ABOVE THE GUTTERLINE ELEVATION TO ACCOMMODATE A SLOPED INLET FROM THE GUTTER TO THE RAIN GUARDIAN BUNKER.

3. THE RAIN GUARDIAN BUNKER SHOULD BE POSITIONED 2" FROM THE EDGE OF THE CONCRETE PAD CLOSEST TO THE BACK OF THE CURB. THEREFORE, THE RAIN GUARDIAN BUNKER WILL BE 2" FROM THE BACK OF THE CURB.

### 3D VIEWS



### ELEVATION VIEW NOTES

1. THE TOP OF THE CLASS 5 BASE (COMPACTED TO 95% STANDARD PROCTOR) IS PRECISELY 1' 4" BELOW THE GUTTERLINE ELEVATION.
2. THE TOP OF THE CONCRETE PAD IS PRECISELY 1' BELOW THE GUTTERLINE.

## REVISION HISTORY

REV	BY	DATE	DESCRIPTION
A	MDH	02/22/2022	BUNKER -
SCALE		VARIABLE	
U.S. PATENT NOS.		8,501,016 AND 8,858,804	

**DEVELOPED BY:**



**MANUFACTURED BY:**



**RAIN**  
**GUARDIAN**  
BE IT THE FIRST DROP, IT'S THE LAST DROP  
**PRETREATMENT FOR BIORETENTION**  
 Rain Gardens • Swales • Filtration Basins • Infiltration Basins  
[www.RainGuardian.biz](http://www.RainGuardian.biz)

**RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
BIORETENTION PONDING DEPTH: 1'  
TYPICAL DETAIL**

1318 MCKAY DR. NE, SUITE 300  
HAM LAKE, MN 55304  
763-434-2030  
[www.AnokaSWCD.org](http://www.AnokaSWCD.org)

PROJECT:

Fridley 2024 Street Reconstruction  
Rain Gardens

LOCATION:

Channel Rd NE Neighborhood

CLIENT:

City of Fridley

## WATERSHED DISTRICT:



DESIGNED BY: BREANNA KEITH

DATE: 05/15/2024

REVISION:

REVISION:

REVISION:

REVISION:

CHECKED BY: MDH

## NOTES:

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SCALE: VARIABLE

## RAIN GUARDIAN BUNKER DETAIL

SHEET 3/18

# SITE PICTURES




SITE OVERVIEW FACING NORTH/ NORTHEAST



SITE OVERVIEW FACING NORTH INCLUDING MARKED GAS LINE



SITE OVERVIEW FACING NORTH INCLUDING MARKED WATER LINE




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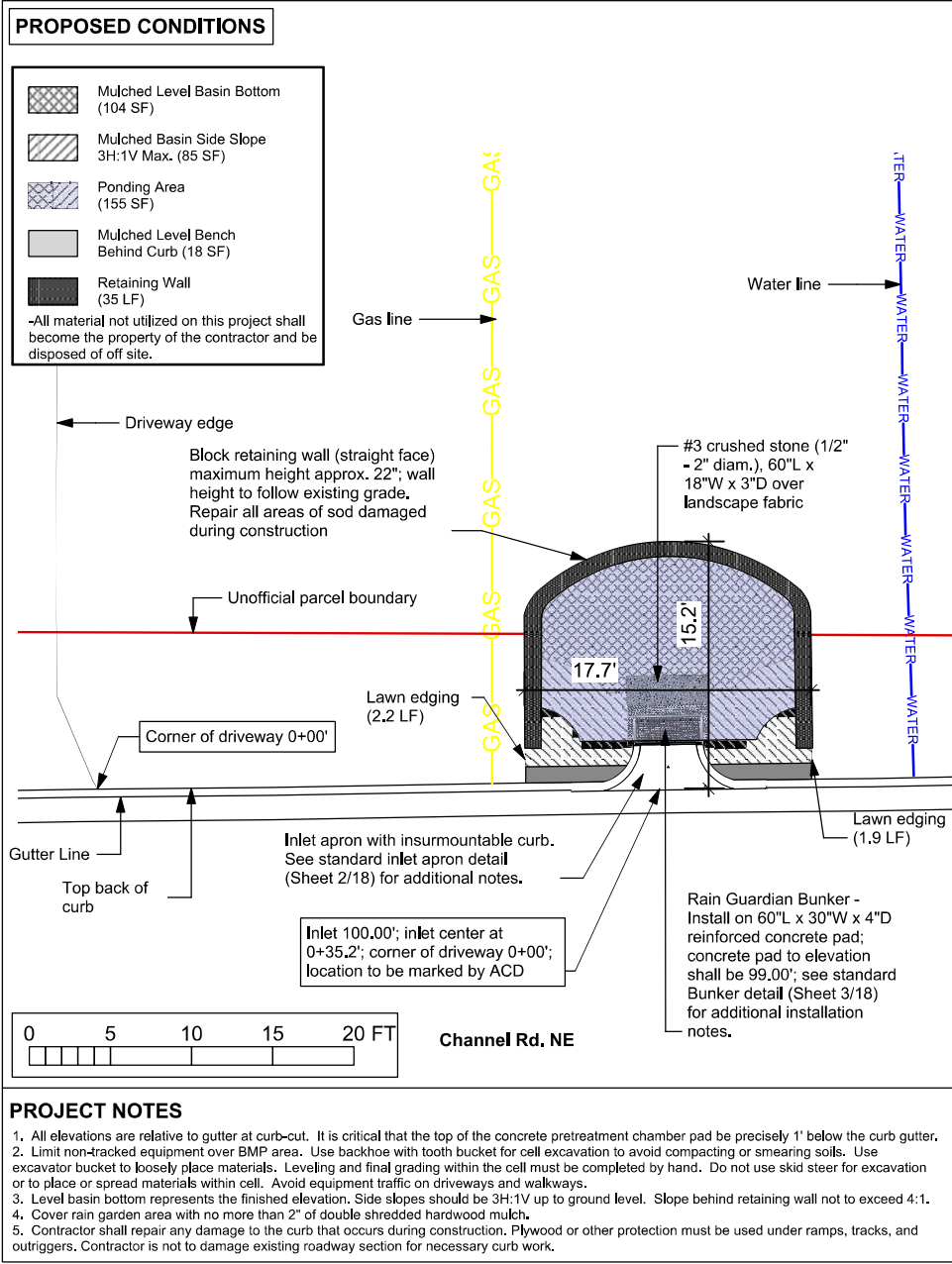
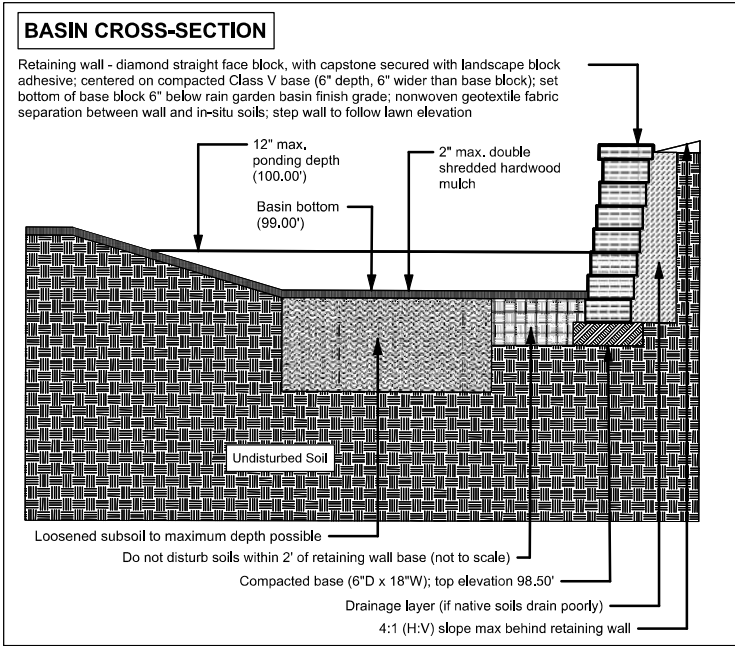
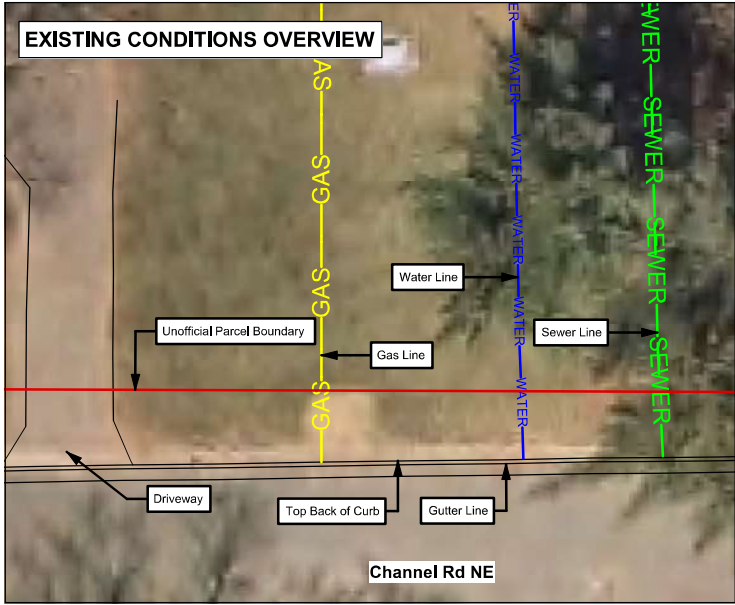
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**SCALE:** VARIABLE

**SITE PICTURES**  
**6805 CHANNEL**  
**RD NE**

**SHEET 4/18**





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www.AnokaSWCD.org


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Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
Channel Rd NE Neighborhood

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City of Fridley

**WATERSHED DISTRICT:**



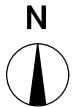
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






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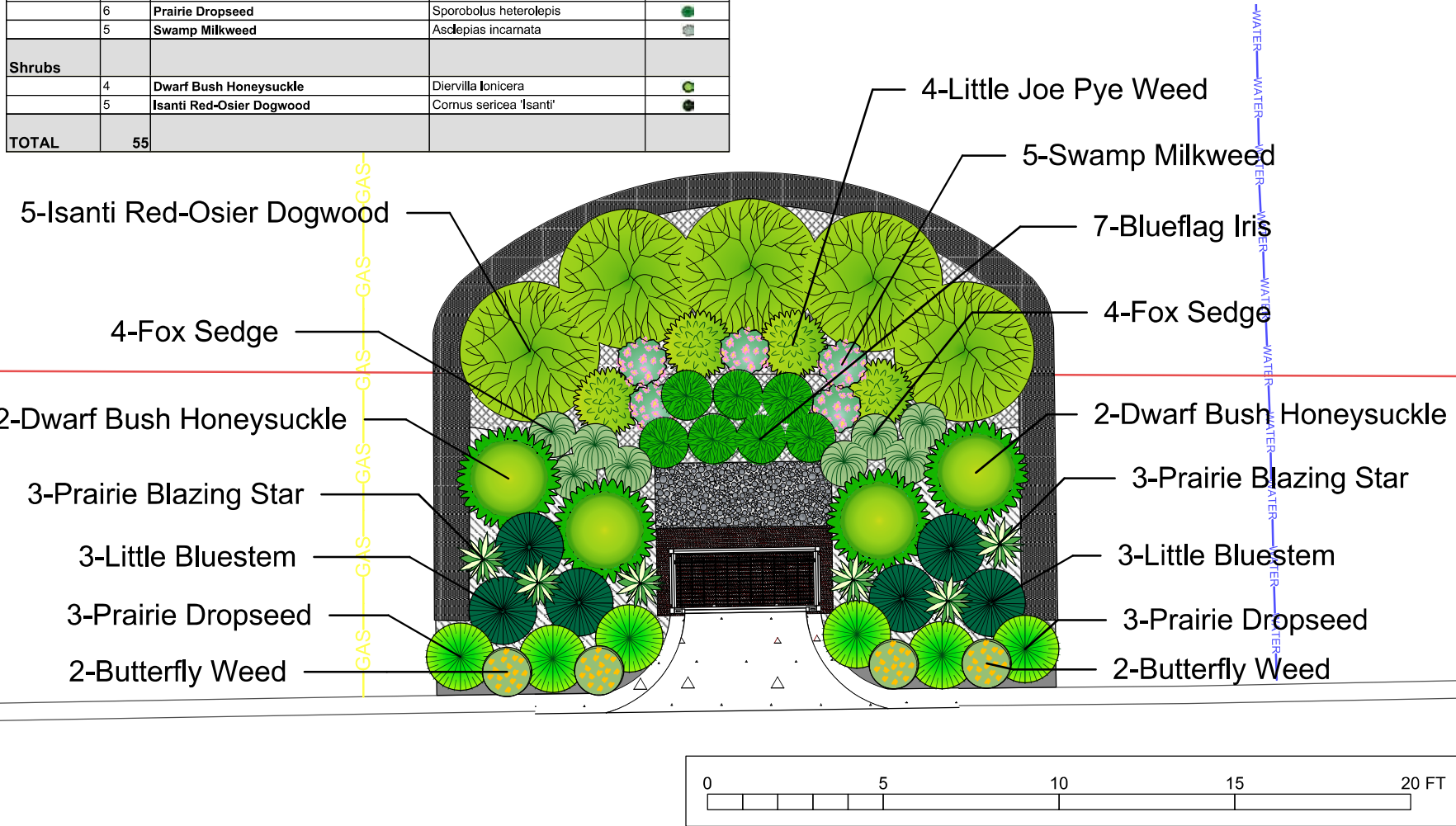
**EXISTING/  
PROPOSED  
CONDITIONS  
6805 CHANNEL  
RD NE**


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**SHEET 5/18**



Plant List				
	Qty	Common Name	Botanical Name	Symbol
<b>Perennials</b>				
	7	Blueflag Iris	Iris versicolor	
	4	Butterfly Weed	Asclepias tuberosa	
	8	Fox Sedge	Carex vulpinoidea	
	6	Little Bluestem	Schizachyrium scoparium	
	4	Little Joe Pye Weed	Eupatorium dubium 'Little Joe'	
	6	Prairie Blazing Star	Liatris pycnostachya	
	6	Prairie Dropseed	Sporobolus heterolepis	
	5	Swamp Milkweed	Asclepias incarnata	
<b>Shrubs</b>				
	4	Dwarf Bush Honeysuckle	Diervilla lonicera	
	5	Isanti Red-Osier Dogwood	Cornus sericea 'Isanti'	
<b>TOTAL</b>	<b>55</b>			






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**N**



**SCALE:** VARIABLE

**PLANTING PLAN**  
6805 CHANNEL  
RD NE

**SHEET 6/18**



# SITE PICTURES



SITE OVERVIEW FACING EAST



SITE OVERVIEW FACING EAST/SOUTHEAST  
INCLUDING MARKED GAS LINE



SITE OVERVIEW FACING EAST/ SOUTHEAST  
INCLUDING MARKED WATER LINE

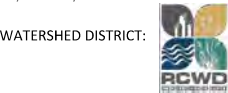


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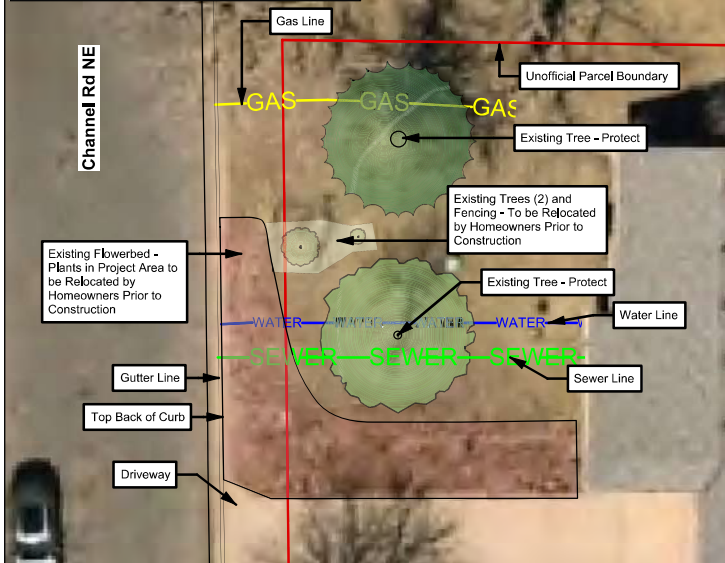
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SCALE: VARIABLE

SITE PICTURES  
6619 CHANNEL  
RD NE

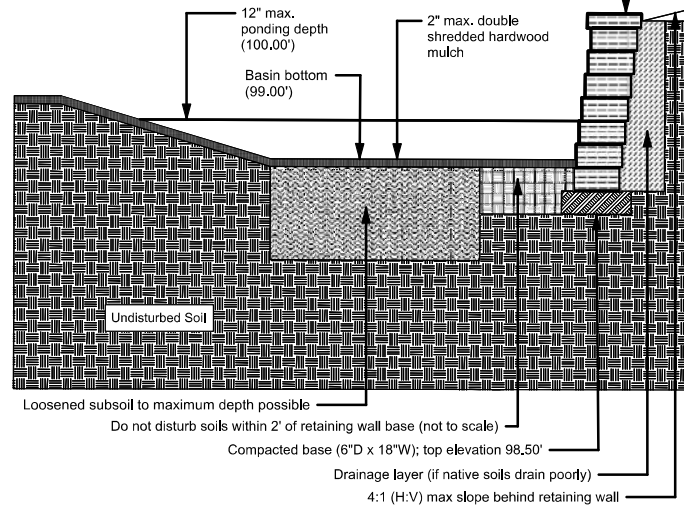
SHEET 7/18

## EXISTING CONDITIONS OVERVIEW

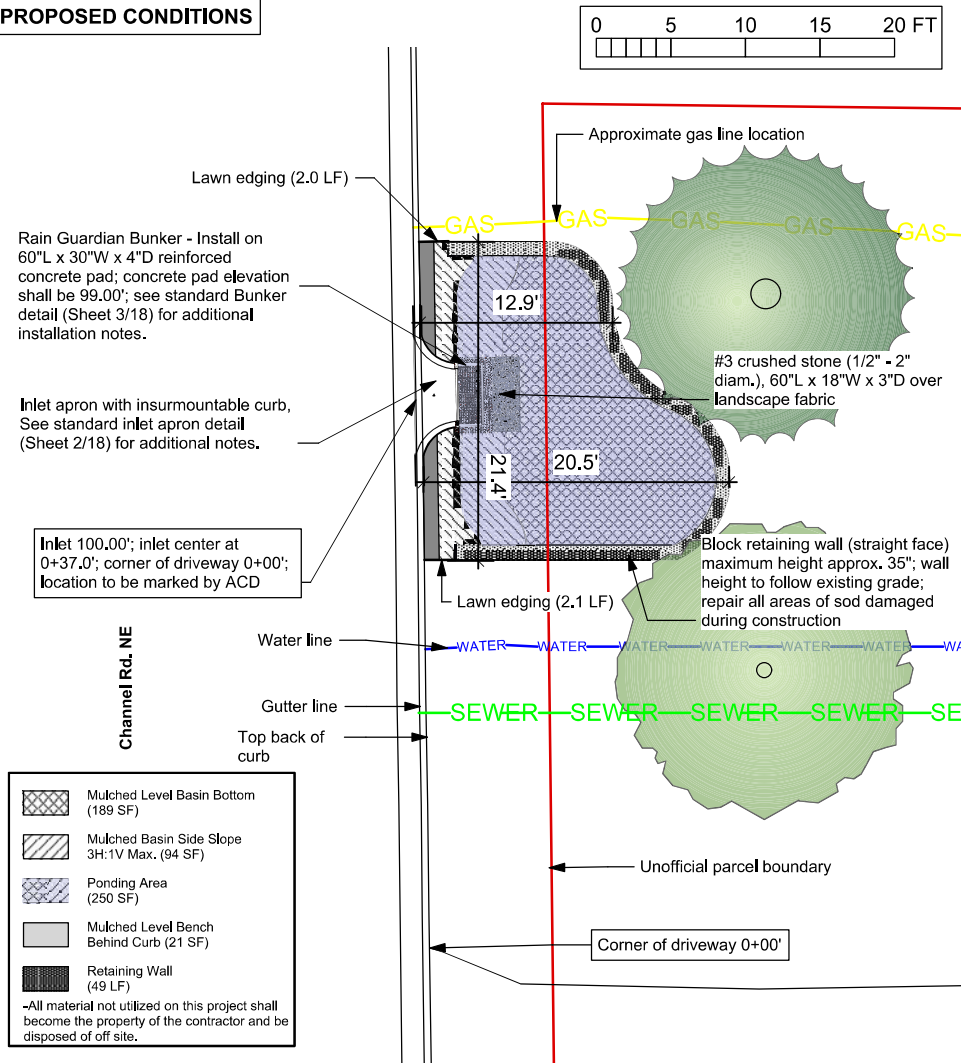


## BASIN CROSS-SECTION

Retaining wall - diamond straight face block, with capstone secured with landscape block adhesive; centered on compacted Class V base (6" depth, 6" wider than base block); set bottom of base block 6" below rain garden basin finish grade; nonwoven geotextile fabric separation between wall and in-situ soils; step wall to follow lawn elevation



## PROPOSED CONDITIONS



## PROJECT NOTES

1. All elevations are relative to gutter at curb-cut. It is critical that the top of the concrete pretreatment chamber pad be precisely 1' below the gutterline elevation.
2. Limit non-tracked equipment over BMP area. Use backhoe with tooth bucket for cell excavation to avoid compacting or smearing soils. Use excavator bucket to loosely place materials. Leveling and final grading within the cell must be completed by hand. Do not use skid steer for excavation or to place or spread materials within cell. Avoid equipment traffic on driveways and walkways.
3. Level basin bottom represents the finished elevation. Side slopes should be 3H:1V up to ground level. Slope behind retaining wall not to exceed 4H:1V.
4. Cover rain garden area with no more than 2" of double shredded hardwood mulch.
5. Contractor shall repair any damage to the curb and/ or roadway that occurs during construction. Plywood or other protection must be used under ramps, tracks, and outriggers. Contractor is not to damage existing roadway section for necessary curb work.



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

PROJECT:  
Fridley 2024 Street Reconstruction  
Rain Gardens

LOCATION:  
Channel Rd NE Neighborhood

CLIENT:  
City of Fridley

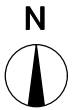
WATERSHED DISTRICT:



DESIGNED BY: BREANNA KEITH  
DATE: 05/15/2024  
REVISION:  
REVISION:  
REVISION:  
CHECKED BY: MDH

## NOTES:

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

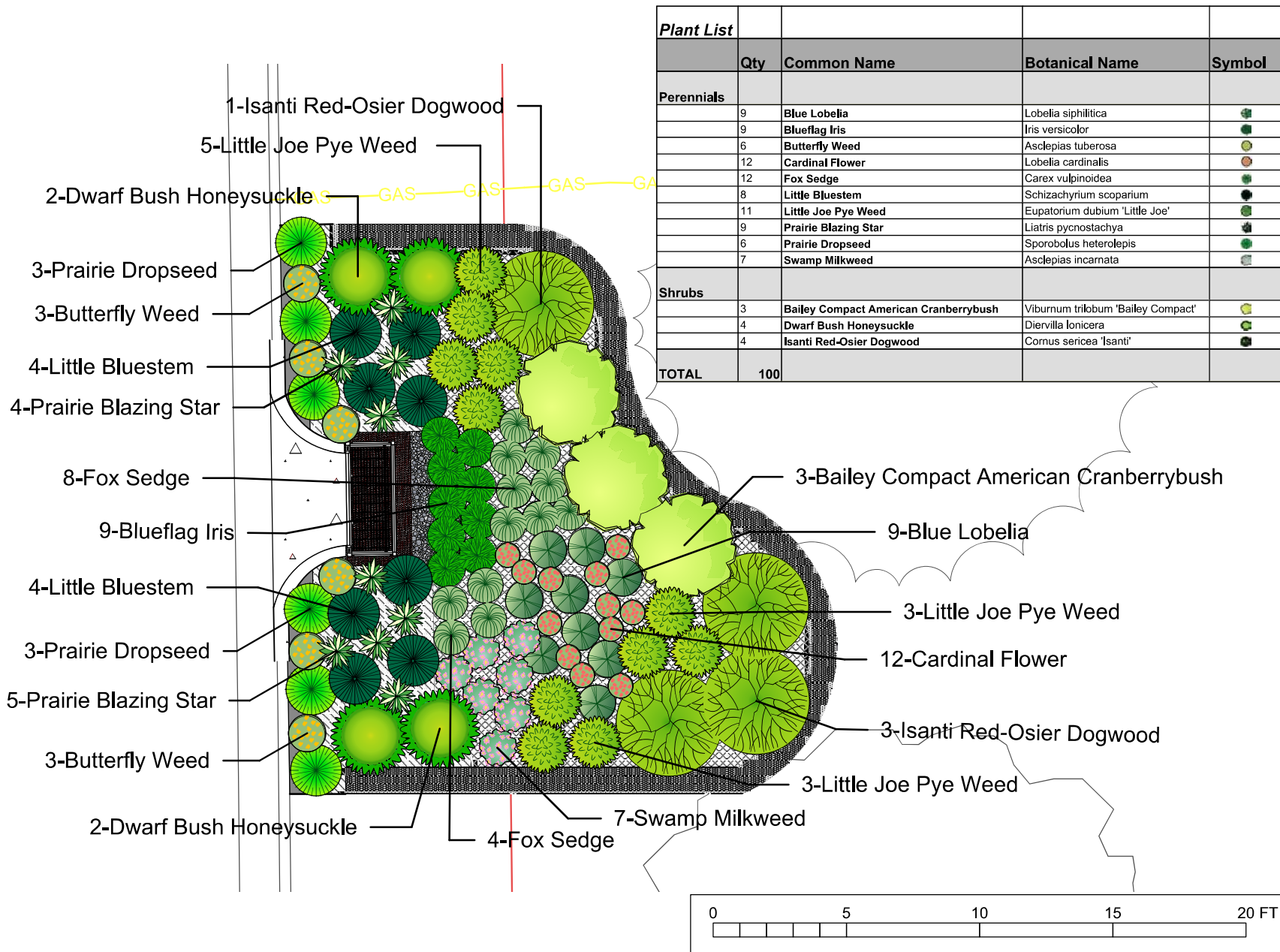


SCALE: VARIABLE

EXISTING/  
PROPOSED  
CONDITIONS  
6619 CHANNEL  
RD NE

SHEET 8/18





**ANOKA CONSERVATION DISTRICT**

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

**PROJECT:**  
Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
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**CLIENT:**  
City of Fridley

**WATERSHED DISTRICT:**

**DESIGNED BY:** BREANNA KEITH  
**DATE:** 05/15/2024  
**REVISION:**  
**REVISION:**  
**REVISION:**  
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**CHECKED BY:** MDH

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**SCALE:** VARIABLE

**PLANTING PLAN**  
6619 CHANNEL  
RD NE

**SHEET 9/18**

# SITE PICTURES




SITE OVERVIEW FACING EAST



SITE OVERVIEW FACING EAST/SOUTHEAST  
INCLUDING MARKED GAS AND WATER LINES



SITE OVERVIEW FACING EAST  
INCLUDING MARKED GAS LINE




1318 MCKAY DR. NE, SUITE 300  
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763-434-2030  
www.AnokaSWCD.org

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Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
Channel Rd NE Neighborhood

**CLIENT:**  
City of Fridley

**WATERSHED DISTRICT:**



**DESIGNED BY:** BREANNA KEITH  
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**REVISION:**  
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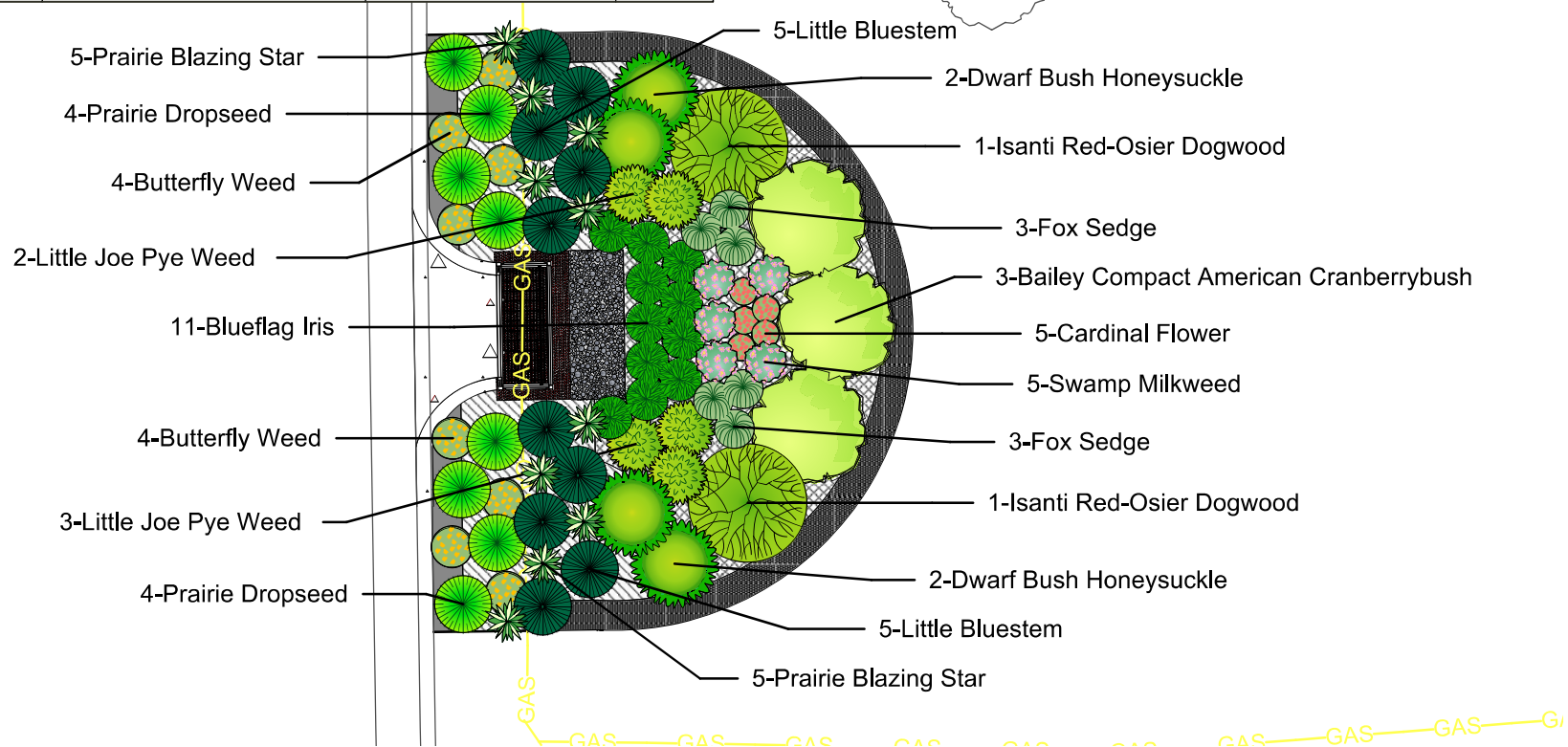
**SCALE:** VARIABLE

SITE PICTURES  
6609 CHANNEL  
RD NE

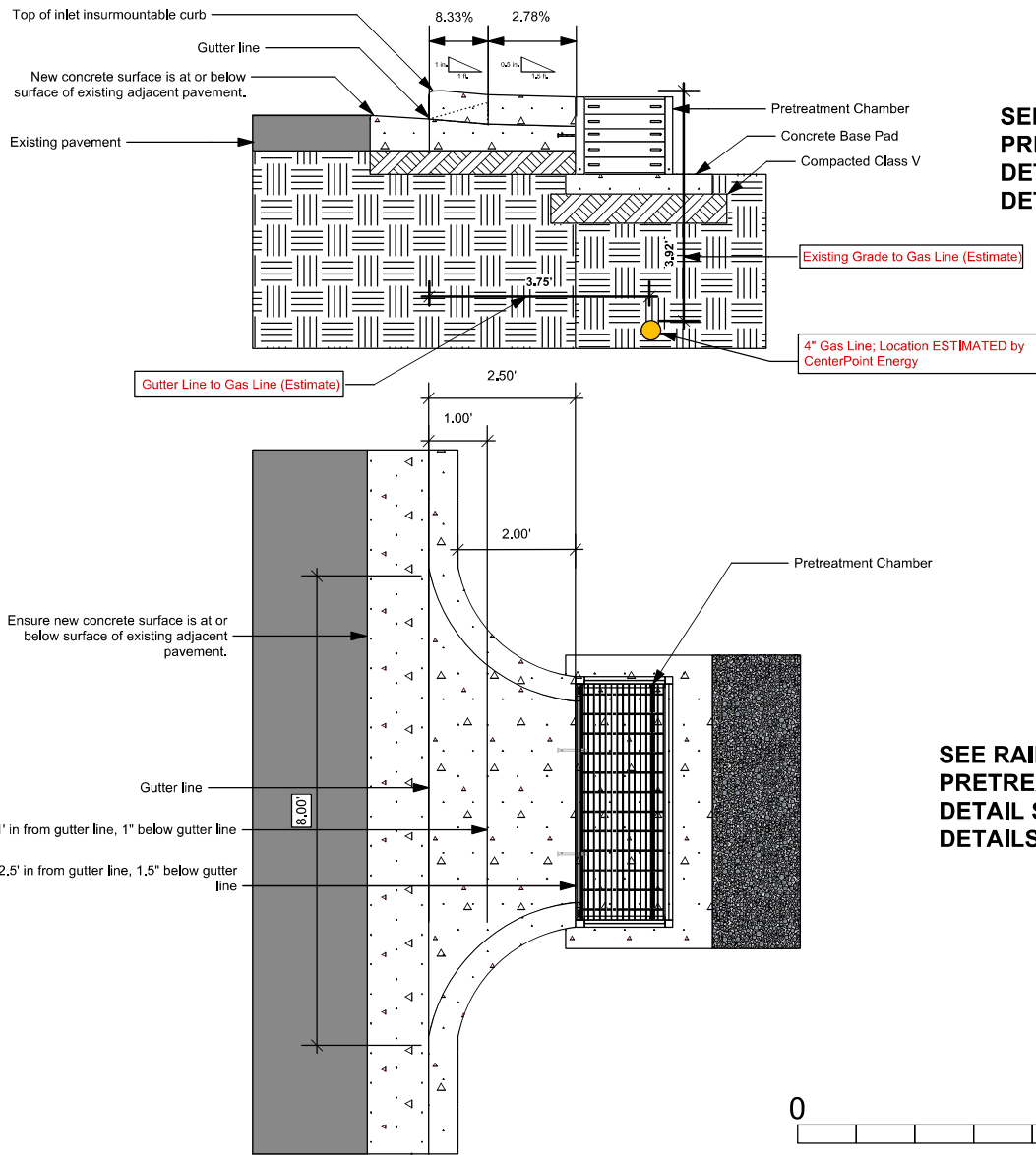
SHEET 10/18





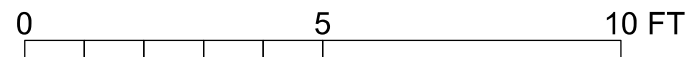


SHEET 12/18



**SEE RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
DETAIL SHEET FOR INSTALLATION  
DETAILS**

**SEE RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
DETAIL SHEET FOR INSTALLATION  
DETAILS**



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

**PROJECT:**  
Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
Channel Rd NE Neighborhood

**CLIENT:**  
City of Fridley

**WATERSHED DISTRICT:**



**DESIGNED BY:** BREANNA KEITH  
**DATE:** 05/15/2024  
**REVISION:**  
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**SCALE:** VARIABLE

**INLET APRON  
DETAIL  
6609 CHANNEL  
RD NE**

**SHEET 13/18**



# SITE PICTURES




SITE OVERVIEW FACING SOUTH



SITE OVERVIEW FACING SOUTH/SOUTHWEST  
INCLUDING MARKED GAS LINE



SITE OVERVIEW FACING SOUTH/ SOUTHEAST  
INCLUDING MARKED GAS AND WATER LINES




1318 MCKAY DR. NE, SUITE 300  
HAM LAKE, MN 55304  
763-434-2030  
[www.AnokaSWCD.org](http://www.AnokaSWCD.org)

**PROJECT:**  
Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
Channel Rd NE Neighborhood

**CLIENT:**  
City of Fridley

**WATERSHED DISTRICT:**



**DESIGNED BY:** BREANNA KEITH  
**DATE:** 05/15/2024  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** MDH

**NOTES:**

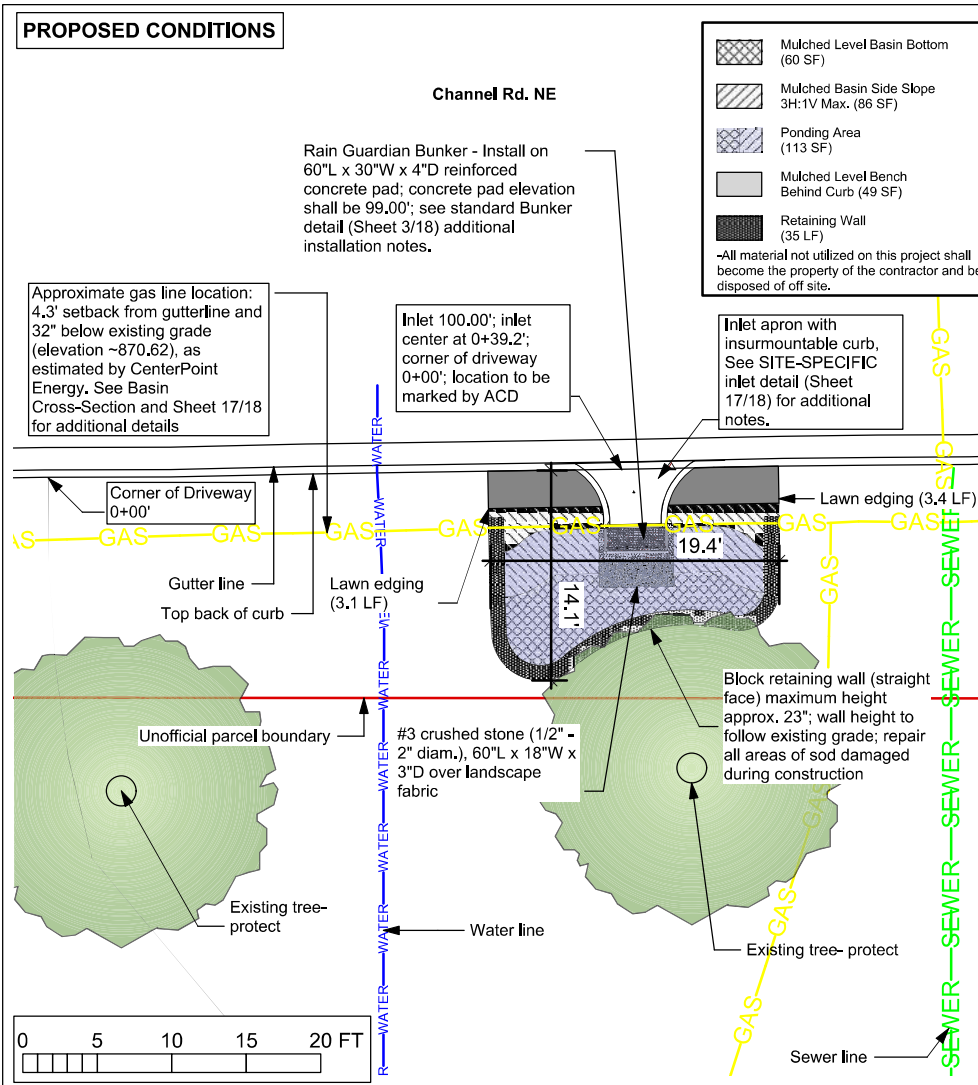
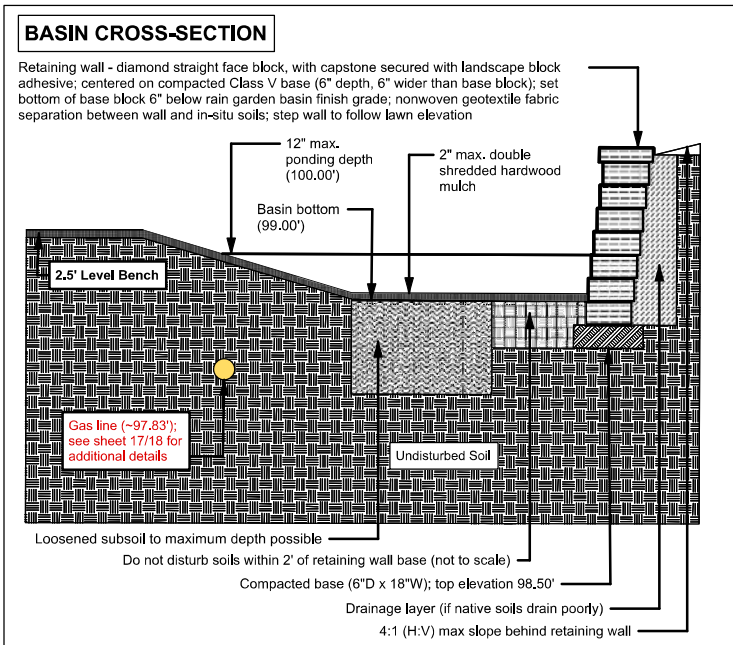
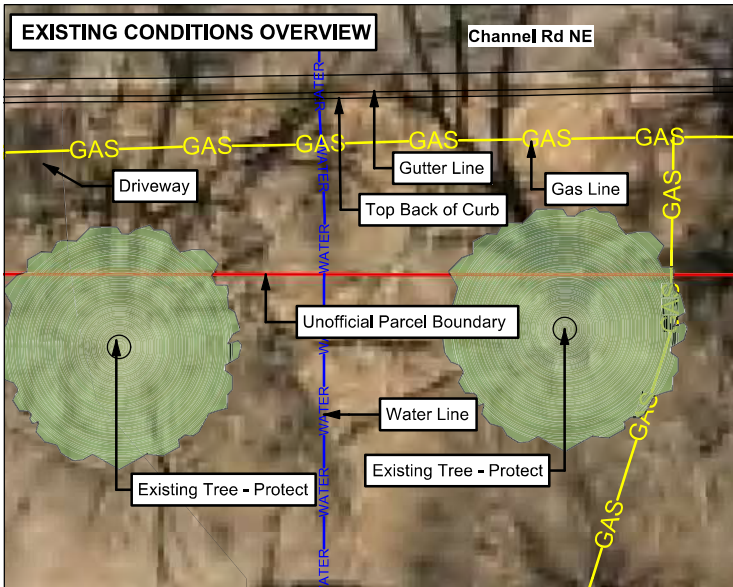
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**SCALE:** VARIABLE

**SITE PICTURES**  
**6810 CHANNEL**  
**RD NE**

**SHEET 14/18**





### PROJECT NOTES

1. All elevations are relative to gutter at curb-cut. It is critical that the top of the concrete pretreatment chamber pad be precisely 1' below the gutterline elevation.
2. Limit non-tracked equipment over BMP area. Use backhoe with tooth bucket for cell excavation to avoid compacting or smearing soils. Use excavator bucket to loosely place materials. Leveling and final grading within the cell must be completed by hand. Do not use skid steer for excavation or to place or spread materials within cell. Avoid equipment traffic on driveways and walkways.
3. Level basin bottom represents the finished elevation. Side slopes should be 3H:1V up to ground level. Slope behind retaining wall not to exceed 4H:1V.
4. Cover rain garden area with no more than 2" of double shredded hardwood mulch.
5. Contractor shall repair any damage to the curb and/ or roadway that occurs during construction. Plywood or other protection must be used under ramps, tracks, and outriggers. Contractor is not to damage existing roadway section for necessary curb work.

**ANOKA CONSERVATION DISTRICT**

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

---

**PROJECT:**  
Fridley 2024 Street Reconstruction  
Rain Gardens

**LOCATION:**  
Channel Rd NE Neighborhood

**CLIENT:**  
City of Fridley

**WATERSHED DISTRICT:**

RCWD

---

**DESIGNED BY:** BREANNA KEITH  
**DATE:** 05/15/2024  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**REVISION:**  
**CHECKED BY:** MDH

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N

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**SCALE:** VARIABLE

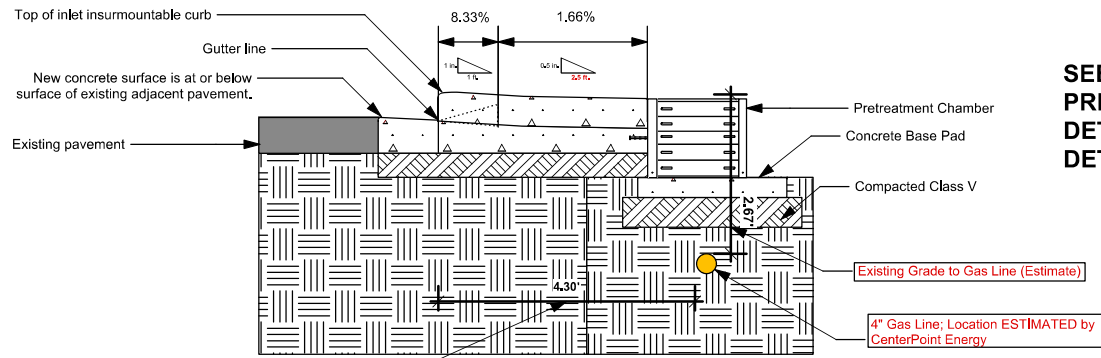
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**EXISTING/  
PROPOSED  
CONDITIONS  
6810 CHANNEL  
RD NE**

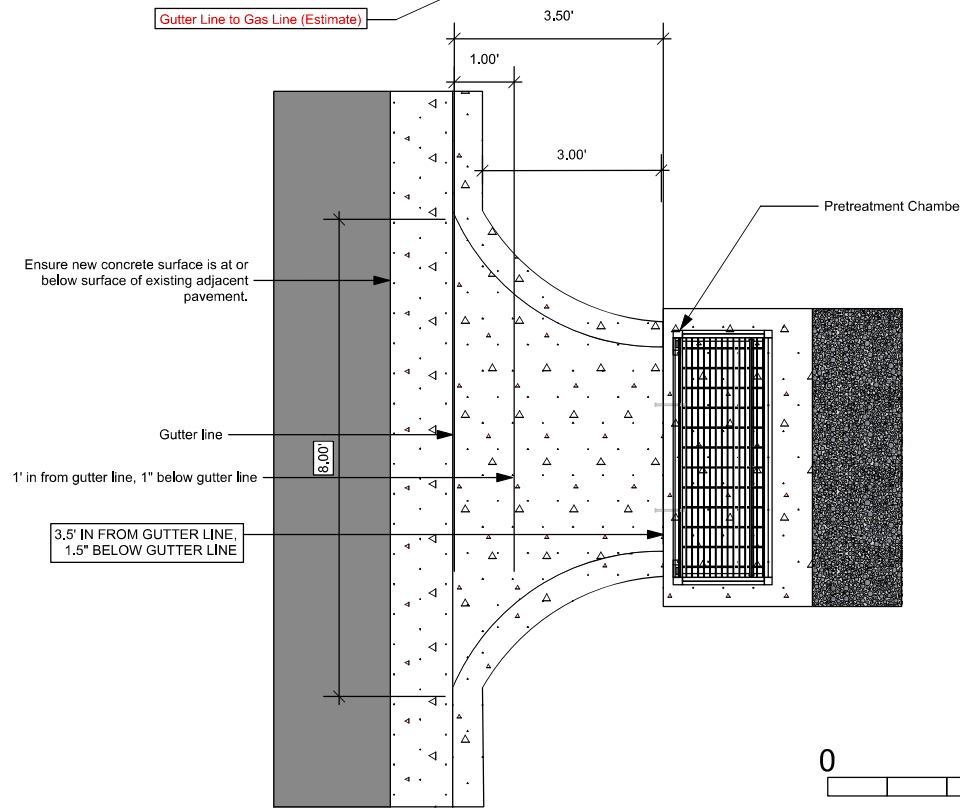
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**SHEET 15/18**

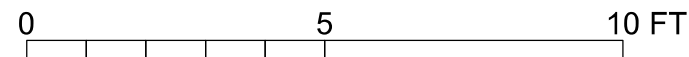




**SEE RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
DETAIL SHEET FOR INSTALLATION  
DETAILS**



**SEE RAIN GUARDIAN BUNKER  
PRETREATMENT CHAMBER  
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City of Fridley

**WATERSHED DISTRICT:**



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**SCALE:** VARIABLE

**INLET APRON  
DETAIL  
6810 CHANNEL  
RD NE**

**SHEET 17/18**

ITEM NO.	SPECIFIC NOTE	DESCRIPTION	UNITS	TOTAL ESTIMATED QUANTITY
<b>BASE BID</b>				
1		MOBILIZATION/DEMobilIZATION	EACH	1
2	S1	EXCAVATION (EV), DISPOSAL, AND GRADING	CY	15
3		DRAINAGE FABRIC (BEHIND RETAINING WALL, UNDER ROCK AT INLET)	SY	N/A
4		CLASS 5 AGGREGATE BASE	CY	N/A
5		SEGMENTAL BLOCK RETAINING WALL (DIAMOND STRAIGHT FACE, WITH CAPSTONES)	SF	N/A
6		STANDARD CONCRETE WORK (PRETREATMENT CHAMBER BASE)	EACH	4
7		#3 WASHED CRUSHED STONE (0.5" - 2" DIAMETER)	CY	N/A
8		STANDARD CONCRETE WORK (CURB-CUT, CURB, AND INLET)	EACH	4
9		RAIN GUARDIAN PRETREATMENT CHAMBER (1' PONDING DEPTH)	EACH	4
10		COMPOST (2" DEPTH)	CY	N/A
11		DOUBLE SHREDDED HARDWOOD MULCH (2" MAX)	CY	N/A
12		1" PLANT PLUG	EACH	N/A
13		4" PLANT POTS	EACH	N/A
14		1-GALLON PLANT POT	EACH	N/A
15		VINYL LANDSCAPE EDGING	LF	N/A
16		TURF RESTORATION	SY	N/A

S1. ALL MATERIAL NOT UTILIZED ON THIS PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTORS AND SHALL BE DISPOSED OF OFF SITE




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City of Fridley

**WATERSHED DISTRICT:**



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**SCALE:** VARIABLE

**SCHEDULES AND  
QUANTITIES -  
STREET  
CONTRACTOR**

**SHEET 18/18**

## RE: 2024 Fridley Raingardens Application Planning

Workin, Rachel <Rachel.Workin@fridleymn.gov>

Tue 5/21/2024 8:31 AM

To: Molly Nelson <mnelson@ricecreek.org>; mitch.haustein@anokaswcd.org <mitch.haustein@anokaswcd.org>; breanna.keith@anokaswcd.org <breanna.keith@anokaswcd.org>

Hi all,

Here is our pricing from the road contractor for the grant application:

The Bunker Price also includes the necessary excavation and concrete work, so we came in pretty close (\$240.81 under per rain garden) to the estimate.

No	Item	Quantity	Unit Price	Amount
1	Remove Concrete Curb & Gutter	32 LF	\$7.20/LF	\$230.40
2	Rain Guardian Bunker	4 EA	\$2819.59/EA	\$11,278.36
<b>TOTAL</b>				<b>\$11,508.76</b>

Kind regards,

### Rachel Workin

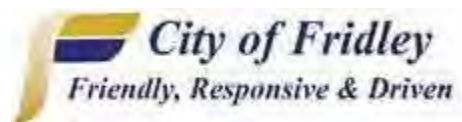
Environmental Planner

City of Fridley

Direct: 763-572-3594

7071 University Ave. N.E., Fridley, MN 55432

[Rachel.Workin@FridleyMN.gov](mailto:Rachel.Workin@FridleyMN.gov) | [FridleyMN.gov](http://FridleyMN.gov)



---

From: Workin, Rachel

Sent: Monday, May 20, 2024 11:14 AM

To: 'Molly Nelson' <mnelson@ricecreek.org>; mitch.haustein@anokaswcd.org; breanna.keith@anokaswcd.org; Brodhag, Brandon



Cost Item	Total Quantity	Average Unit Price (\$)	Total Cost Estimate (\$)
MOBILIZATION/DEMOBILIZATION	4	1,060.00	4,240.00
EXCAVATION, DISPOSAL, AND GRADING	72.6	79.50	5,773.72
DRAINAGE FABRIC (BEHIND RETAINING WALL, UNDER ROCK AT INLET)	58.0	7.42	430.52
CLASS 5 AGGREGATE BASE	5.2	106.00	548.65
SEGMENTAL BLOCK RETAINING WALL (DIAMOND STRAIGHT FACE, WITH CAPSTONES)	410.2	42.40	17,390.78
STANDARD CONCRETE WORK (PRETREATMENT CHAMBER BASE)	4	530.00	2,120.00
#3 WASHED CRUSHED STONE (0.5" - 2" DIAMETER)	0.28	742.00	206.11
STANDARD CONCRETE WORK (CURB-CUT, CURB, AND INLET)	4	1,590.00	6,360.00
COMPOST (2" DEPTH)	6.4	95.40	606.44
RAIN GUARDIAN PRETREATMENT CHAMBER (1' PONDING DEPTH)	4	1,000.00	4,000.00
DOUBLE SHREDDED HARDWOOD MULCH (2" MAX)	6.4	95.40	606.44
1" PLANT PLUG	234	3.18	744.12
4" PLANT POTS	47	15.90	747.30
1-GALLON PLANT POT	20	31.80	636.00
VINYL LANDSCAPE EDGING	79.0	8.48	669.92
TURF RESTORATION	34.0	42.40	1,441.60
<b>Total</b>	<b>988.97</b>	<b>\$340.62</b>	<b>\$46,521.60</b>
		<b>10% CONTINGENCY</b>	<b>\$4,652.16</b>
		<b>GRAND TOTAL</b>	<b>\$51,173.76</b>

## **ITEMS REQUIRING BOARD ACTION**

1. Solitude Lake Management Partial Pay Request #1,  
Centerville Lake Alum Project (Matt Kocian)

# MEMORANDUM

## Rice Creek Watershed District



**Date:** June 4, 2024  
**To:** RCWD Board of Managers  
**From:** Matt Kocian, Lake and Stream Manager  
**Subject:** Centerville Lake Alum Project – Contractor Pay App #1

---

### Introduction

Seeking Board approval for contractor pay application #1

### Background

The District was awarded a Clean Water Fund (CWF) grant in the amount of \$954,500 for the Centerville Lake Alum Project. The grant agreement was approved and fully executed on February 12, 2024. The District hired Barr Engineering Company (“Barr”) in January of 2024 as the project engineer. Solitude Lake Management was hired in April as the project contractor (alum applicator).

The Centerville Lake Alum Project is proceeding in two phases – spring of 2024 and spring of 2026. Each phase includes application of one-half of the total alum dose. Phase 1 began on May 13 and concluded on May 21, 2024. 195,546 gallons of alum were applied to Centerville Lake during this period.

Solitude submitted a pay application for phase 1 on May 28, 2024 in the amount of \$464,065.30. Barr has reviewed Solitude’s pay application (see attached memo from Barr) and concluded that the work was completed in accordance with the project specifications. Thus, Barr is recommending full payment of the invoice. Earlier this calendar year, the District received 50% of the CWF grant dollars from the State (approximately \$477,000); the District has sufficient funds in the project account to cover the payment.

### Recommendation

The project engineer, Barr, is recommending payment of Solitude’s invoice. District staff concur with Barr, and recommend payment of Solitude’s invoice.

### Proposed motion

Manager \_\_\_\_\_ moves to approve partial payment to Solitude Lake Management for the Centerville Lake Alum Project in the amount of \$464,065.30

### Attachments

- Barr Engineering, Memorandum: Centerville Lake Aluminum Sulfate Treatment—Review of 2024 Pay Request, May 31, 2024
- Solitude Lake Management: Invoice PSI074967

## Memorandum

**To:** Rice Creek Watershed District Board of Managers  
**From:** Mark Origer, PE, Water Resources Engineer and Joe Bischoff, Senior Aquatic Ecologist  
**Subject:** Centerville Lake Aluminum Sulfate Treatment—Review of 2024 Pay Request  
**Date:** May 31, 2024  
**Project:** 23621512  
**c:** Matthew Kocian, Lake and Stream Manager

### Background

In April 2024, Rice Creek Watershed District (RCWD) awarded the Centerville Lake aluminum application project to Solitude Lake Management. The contract included two applications of aluminum, one in 2024 and one in 2026 to the lake for a total price of \$957,312.50. The final completion date of the 2024 application was May 23, 2024.

Solitude Lake Management completed the first application on May 21, 2024. Included in the scope of work was mobilization, application of liquid aluminum sulfate, pH monitoring of the lake, and demobilization of equipment. A pay request was made on May 28, 2024, for \$464,065.3 for the first application. This is slightly less than half of the contract amount because the quote for second application includes an adjusted unit price per gallon of aluminum sulfate for future product price increases.

### Application

Application of liquid aluminum sulfate to Centerville Lake occurred on 8 consecutive days from May 14 through May 21. An average of 24,300 gallons were applied each day with 5 tanker trucks refilling tanks daily. Three different pH tests were completed daily to ensure pH values were within the tolerable range. Each morning prior to application, a pH jar test was completed which measured a portion of the lake water with the aluminum dose. Multiple pH measurements were made during application with one occurring in front the vessel and one behind in the treatment zone. All test collected measured pH values between 7.5 and 8.5, which are within tolerance of the specifications.

The total area treated includes 284 acres with a treatment rate of 685 gallons per acre. A total of 195,546 gallons of liquid aluminum sulfate was applied to Centerville Lake in the 2024 application. The treatment area included depths greater than 10 feet throughout the lake.

### Schedule

Solitude Lake Management has completed the application within the 2024 timeframe and has demobilized equipment from the lake and staging area. There were no visible restoration items necessary from the St. Paul Regional Water Services property where staging occurred. The application window for the 2026 application is in the spring of 2026 to May 22, 2026, as conditions are favorable.

### Recommendation

The completed liquid aluminum sulfate application to Centerville Lake met all specifications outlined in the contract documents. Based on the 2024 application and pay request from Solitude Lake Management, we recommend that full payment be issued to the contractor.



INVOICE

Please Remit Payment to:

Solitude Lake Management, LLC  
1320 Brookwood Drive  
Suite H  
Little Rock, AR 72202  
Phone #: (888) 480-5253  
Fax #: (888) 358-0088

Page: 1

Invoice Number: PSI074967  
Invoice Date: 5/28/2024

Bill  
To: Rice Creek Watershed District  
Rice Creek Watershed District, c/o Matt Kocian  
4325 Pheasant Ridge Dr. Suite 611  
Minneapolis, MN 55449

Ship  
To: Rice Creek Watershed District  
Rice Creek Watershed District, c/o Matt  
4325 Pheasant Ridge Dr. Suite 611  
Blaine, MN 55449

Ship Via		Customer ID	20713
Ship Date	5/28/2024	P.O. Number	
Due Date	6/27/2024	P.O. Date	5/28/2024
Terms	Net 30	Our Order No.	

Item/Description	Unit	Order Qty	Quantity	Unit Price	Total Price
Water Quality Restoration (Alum, Phoslock, Etc) One-Time Service Centerville Lake - Rice Creek Watershed District ALUM		1	1	464,065.30	464,065.30
- Alum Treatment Project Phase One Treatment (2024) complete. - Phase Two Treatment scheduled for 2026					

Amount Subject to Sales Tax 0.00  
Amount Exempt from Sales Tax 464,065.30

Subtotal: 464,065.30  
Invoice Discount: 0.00  
Total Sales Tax: 0.00  
Payment Amount: 0.00  
Total: 464,065.30



## **ITEMS REQUIRING BOARD ACTION**

2. JACON LLC Partial Pay Request #5 – AWJD 3 Branches 1, 2 & 4 Repair Project (Tom Schmidt)

# MEMORANDUM

## Rice Creek Watershed District



**Date:** June 4, 2024  
**To:** RCWD Board of Managers  
**From:** Tom Schmidt, Drainage & Facilities Manager  
**Subject:** JACON LLC Partial Pay Request # 5 – AWJD 3 Branches 1, 2 & 4 Repair

### Introduction

The Board is asked to consider approving JACON LLC's fifth partial pay request for the Anoka-Washington Judicial Ditch 3 (JD3) Branches 1, 2, and 4 Repair.

### Background

JACON LLC initiated work in 2023, with most of the work occurring in 2024. Work has been progressing, with seeding and grading completed last month.

The results have been verified by the District Engineer. The repair is considered substantially completed. Before the contract is complete, the contractor must satisfactorily finish several punch list items. Some of the remaining items include final grading and site stabilization. The project completion date is July 1, 2024.

Partial payment # 5 totals \$ 21,047.25. The Watershed Management Plan identifies trunk conveyance systems and describes that costs for repairs on trunk conveyance systems are to be paid for by ad valorem taxes. Per Board resolution 2022-21, the District is utilizing alternative authority under statutes section 103D.621 to use ad valorem tax revenues to pay for these drainage system repairs.

Staff concurs with the District Engineer's recommendation (attached) that the pay request is accurate and ready for approval. RCWD holds a 5% retainage on this contract. The partial payment recommended is the total after the 5% retainage is deducted.

### Staff Recommendation

District staff recommends that \$ 21,047.25 be issued to JACON LLC, as detailed in the HEI Memorandum.

### Proposed Motion

Manager \_\_\_\_\_ moves to approve JACON LLC's partial pay request #5 as submitted and certified by the District Engineer and directs staff to issue a payment in the amount of \$21,047.25 seconded by Manager \_\_\_\_\_.

### Attachments

HEI Memorandum JD 3 Branches 1, 2, and 4 Repair Project Partial Payment #5, dated May 17, 2024.

# Technical Memorandum

---

**To:** Nick Tomczik, RCWD  
Abel Green, RCWD  
**From:** Adam Nies, PE  
**Subject:** JD 3 Branches 1, 2, and 4 Repair Project Partial Payment #5  
**Date:** May 17, 2024  
**Project:** 5555-0332

---

The purpose of this memorandum is to recommend Partial Payment #5 to JACON LLC for the JD 3 Branches 1, 2, and 4 Repair Project.

## Project Update

The contractor has progressed with final grading and seeding work within the last month. In the coming month, remaining "punchlist" items will be required to be addressed prior to project close-out.

## Payment Application Review

We have reviewed the materials submitted by JACON LLC. We have verified the items for which payment have been requested have been completed.

The following is a summary of payment:

Work Completed to Date:	\$ 274,474.45
Less 5% retainage:	\$ 13,723.72
<u>Less previous payments:</u>	<u>\$ 239,703.48</u>
Pay Request for this estimate:	\$ 21,047.25

A detailed summary of work completed and partial payment certification are attached.

## Recommendation

We recommend authorization of Partial Payment #5 in the amount of \$21,047.25 to JACON LLC for work completed under this pay request.

JD 3 Branches 1, 2, and 4 Repair Project

Partial Payment #5

5/17/2024

Item Code	Item Description	Units	Unit Price	Contract		Completed to Date	
				Quantity	Extension	Quantity	Extension
	1 Mobilization	LS	\$30,120.00	1	\$30,120.00	0.9	\$27,108.00
	2 Removal and Dispose of Inplace Culvert	Ln Ft	\$14.60	127	\$1,854.20	127	\$1,854.20
	3 Excavation of Open Channel	Ln Ft	\$4.00	13427	\$53,708.00	10165	\$40,660.00
	4 Spoil Management	Ln Ft	\$2.25	13427	\$30,210.75	10165	\$22,871.25
	5 Tree Clearing, Chipping and Removal	Acre	\$10,000.00	5	\$50,000.00	5	\$50,000.00
	6 36" CP Pipe Culvert	Ln Ft	\$180.00	122	\$21,960.00	125	\$22,500.00
	7 42" CP Pipe Culvert	Ln Ft	\$195.00	32	\$6,240.00	37	\$7,215.00
	8 Field Crossing	Ea	\$3,975.00	4	\$15,900.00	4	\$15,900.00
	9 Seeding and Mulch	Acre	\$3,500.00	9.1	\$31,850.00	6.33	\$22,155.00
	10 Silt Fence, Type PA	Ln Ft	\$4.00	100	\$400.00	0	\$0.00
	11 Erosion Control Blanket Cat. 3	Sq Yd	\$12.00	100	\$1,200.00	60	\$720.00
	12 Sediment Control Log	Ln Ft	\$2.00	100	\$200.00	0	\$0.00
	13 SWPPP Documentation and Management	LS	\$900.00	1	\$900.00	1	\$900.00
CO 2a	Extra Clearing	Acre	\$10,000.00	1.25	\$12,500.00	1.25	\$12,500.00
CO 2b	18" and 24" Field Crossing and Sand	LS	\$1,700.00	1	\$1,700.00	1	\$1,700.00
CO 2a	Extra Clearing (past 25% of contract)	Acre	\$15,000.00	1.01	\$15,150.00	1.01	\$15,150.00
CO 3	Side Inlets	LS	\$10,075.00	1	\$10,075.00	1	\$10,075.00
CO 4	Amphibious Excavation	LF	\$51.48	450	\$23,166.00	450	\$23,166.00
	<b>TOTAL</b>				<b>\$307,133.95</b>		<b>\$274,474.45</b>

Retainage 5%	\$13,723.72
Previous Payments	\$239,703.48
<b>TOTAL DUE</b>	<b>\$21,047.25</b>



## PARTIAL PAYMENT CERTIFICATION

OWNER: Rice Creek Watershed District  
ENGINEER: Houston Engineering Inc.

PROJECT: JD 3 Branches 1, 2, and 4 Repair

CONTRACTOR: JACON, LLC

PARTIAL PAYMENT: #05  
PERIOD OF ESTIMATE: 3/1/24 – 4/30/24

### CONTRACT CHANGE ORDER SUMMARY

No.	Deduction	Additions
1		\$0.00
2		\$29,350.00
3		\$10,075.00
4		\$23,166.00
Totals		\$62,591.00
Net Change to Contract		\$62,591.00

### CONTRACT TIME:

Original Days:

Revisions: none

Days Remaining:

On Schedule (y/n): Yes

Starting Date: October 2, 2023

Projected Completion: 3/1/24 (substantial)  
July 1, 2024 (Final)

### ESTIMATE

Original Contract Amount.....	\$ 244,542.95
Change Orders.....	\$ 62,591.00
Revised Contract Amount.....	\$ 307,133.95
Completed to Date Amount.....	\$ 274,474.45
Materials On-Site.....	\$ N/A
Subtotal.....	\$ 274,474.45
Retainage.....	\$ 13,723.72
Previous Payments.....	\$ 239,703.48
Amount Due This Payment.....	\$ 21,047.25

(see attached breakdown)

### CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that to the best of their knowledge, information and belief, the work covered by this payment estimate has been completed in accordance with the contract documents, that all amounts have been paid by the Contractor for work for which previous payment estimates were issued and for which payments were received from the Owner, and that current payment shown herein is now due.

RELEASE OF CLAIMS AND WAIVER OF LIEN: NOW THEREFORE, upon receipt of the above payment amount, the undersigned does hereby irrevocably releases and waives any and all claims for payment of any type for any work up through and including the date of this application, and irrevocably releases and waives all bond claims, construction liens, mechanic's liens, and/or other liens, or right to claim any against the above project or any part thereof.

Contractor: JACON LLC

By: *Sarah Jensen*

Date: 05/22/2024

### ENGINEER'S CERTIFICATION

The undersigned certifies that the work has been carefully inspected and to the best of their knowledge and belief, the quantities shown in this estimate are correct and the work has been performed in accordance with the contract documents.

Engineer: Houston Engineering, Inc.

By: *Ad N Li*

Date: 5/17/2024

### OWNER'S APPROVAL

Owner: Rice Creek Watershed District

By: \_\_\_\_\_

Date: \_\_\_\_\_

## **ITEMS REQUIRING BOARD ACTION**

3. Check Register Dated June 12, 2024, in the Amount of \$134,194.40 Prepared by Redpath and Company

**Rice Creek Watershed District**  
**Check Register**  
**May 23, 2024 - June 12, 2024**  
**To Be Approved at the June 12, 2024 Board Meeting**

Check #	Date	Payee	Description	Amount
25667	06/12/24	Barr Engineering	May Engineering Expense	\$5,757.00
25668	06/12/24	Aaron Bauer	Mini-Grant, Construction	500.00
25669	06/12/24	Carp Solutions, LLC	Professional Services	24,840.00
25670	06/12/24	City of Fridley	WQ Grant-Construction	405.00
25671	06/12/24	Comcast	Telecommunications	319.89
25672	06/12/24	Growing Green Hearts, LLC.	Professional Services	1,925.00
25673	06/12/24	Joseph Grubbs	Contracted Services	2,537.50
25674	06/12/24	Jill Heinz-Nesvold	Mini-Grant, Construction	500.00
25675	06/12/24	Instrumental Research, Inc.	Lab Expense	2,281.00
25676	06/12/24	Iron Mountain	Professional Services	272.45
25677	06/12/24	Lake Management, Inc.	Contracted Services	14,854.31
25678	06/12/24	Plaidit Design	Contracted Services	340.97
25679	06/12/24	Red Rock Fire	Contracted Services	12,240.99
25680	06/12/24	RMB Environmental Laboratories, Inc.	Lab Expense	3,186.40
25681	06/12/24	Rymark	Professional Services	3,134.06
25682	06/12/24	Timesaver Off Site Secretarial	Professional Services	361.25
25683	06/12/24	Washington Conservation District	Contracted Services	3,981.50
25684	06/12/24	Zayo Group, LLC	Telecommunications	1,391.46
11396	06/12/24	Norhart Construction	Surety Release - #19-091	1,000.00
Payroll	06/15/24	Jun 15th Payroll (estimate)	Jun 15th Payroll (estimate)	28,595.26
EFT	06/01/24	First Unum Life Insurance Co.	Benefits	746.35
EFT	06/12/24	Wex Bank	Vehicle Fuel	417.21
EFT	06/12/24	Xcel Energy	Telecommunications	49.52
EFT	06/10/24	US Bank Equipment Finance	Equipment Lease	648.75
EFT	06/12/24	Card Services-Elan	May/June Credit Card	3,007.06
EFT	06/15/24	Internal Revenue Service	06/15 Federal Withholding (estimate)	11,125.37
EFT	06/15/24	Minnesota Revenue	06/15 State Withholding (estimate)	1,993.00
EFT	06/15/24	Empower Retirement	06/15 Deferred Compensation	870.00
EFT	06/15/24	Empower Retirement	06/15 Roth IRA	305.00
EFT	06/15/24	Further	06/15 HSA	621.47
EFT	06/15/24	PERA	06/15 PERA (estimate)	5,986.63
<b>Total</b>				<b><u><u>\$134,194.40</u></u></b>



## **ITEMS FOR DISCUSSION AND INFORMATION**

1. Common Carp Management Update (Matt Kocian)

# MEMORANDUM

## Rice Creek Watershed District



**Date:** June 5, 2024  
**To:** RCWD Board of Managers  
**From:** Matt Kocian, Lake and Stream Manager  
**Subject:** 2024 Carp Management Update

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### Introduction

Providing a progress report on 2024 carp management activities

### Background

The District continued implementation its Long Lake / Lino Chain of Lakes Carp Management Plan in 2024. Most management activities occur from February to June each year. This memo, and the corresponding presentation at the June 12 Board meeting, will provide an update on these activities.

As in previous years, labor and specialty services have been provided by Carp Solutions, LLC. Most of Carp Solutions' effort is spent on blocking migration of carp as they move toward spawning areas, and removing carp from the system. Our goals are to block 90-100% of migrating carp, and remove at least 50% of those carp. The two primary locations for carp blocking and removal are 1) in **Rice Creek**, just upstream of Long Lake, and 2) in **Johanna Creek**, near the New Brighton Community Center.

At the **Rice Creek** site: We continue to utilize the NEPTUN electric barrier and guidance system to block upstream migration and guide carp into a trap for removal. Carp activity above and below the barrier is monitored with Passive Integrated Transponder (PIT) antennas. These antennas detect movement of PIT-tagged carp. Data from the antennas suggest that the barrier was 99-100% effective at blocking upstream migration. Thus, carp that were not captured were stuck in Long Lake, which does not have adequate spawning habitat, and the population does not increase. So far in 2024, 776 carp have been removed, which is approximately 30% of the migrating population. This is much lower than removal numbers from several years ago (15,000 removed in 2022!), reflecting the reduced population in the system.

At the **Johanna Creek** site, the District owns a physical barrier. The primary purpose of this barrier is to block upstream migration, with a secondary purpose of facilitating carp removal as they congregate on the downstream side. At most flow conditions, this barrier is 100% effective at blocking upstream migration. During flood conditions, carp can jump over the barrier. Unfortunately, in 2024, flood conditions facilitated the passage of some fish over the barrier. Luckily, carp removals (353 carp) occurred in the weeks leading up to the flood, meaning less fish were present at the time of the flood. District staff are working on plans to retrofit the barrier screens to prevent upstream migration during flood periods.

### Summary and Next Steps

Overall in 2024, carp removal and blocking has gone well. Removal numbers are down, reflecting the reduced population. We estimate the carp population is down 85-90% from its peak. Remaining work in 2024 includes surveys for juvenile carp in spawning areas, and a refined population estimate for the system.

## MEMORANDUM

### Rice Creek Watershed District



District staff and Carp Solutions will be exploring ideas for refining the carp management plan, reflecting the reduced size of the population. Consistent with our focus on “*effective, efficient, and reliable*”, we will be considering new approaches that maximize efficiency. Since we are meeting our long-term management goals, and recognizing that eradication is not possible, our approach should shift to “maintenance” mode.

## **ITEMS FOR DISCUSSION AND INFORMATION**

2. District Engineer Update and Timeline



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



Date Prepared:  
Prepared by:

4-Jun-24  
C. Grandbois

Project Name	Task Order Manager	Estimated Budget	Cost to Date	Remaining Budget	Project Complete / Transfer Funds?	Estimated Progress Based on Work Completed	Percentage of Budget Utilized	Within Budget? (Y/N)	District Billed for Exceedence of Budget? (Y/N)	Initial Target Completion Date	Items of Interest / Concern
RCD 2, 3, & 5 Basic Water Management Project	Joe Lewis	\$167,500	\$148,316	\$19,184	N	95.0%	88.5%	Y	N/A	2-May-23	A preliminary report has been completed and submitted to District staff.
RCD 1 Records Reestablishment	Adam Nies	\$27,500	\$25,965	\$1,535	N	95.0%	94.4%	Y	N/A	31-Dec-23	A public information meeting has been held. Next step is to hold a public hearing for consideration of ordering the reestablishment of
RCWD Boundary Petition Assistance	Chris Otterness	\$16,500	\$21,456	(\$4,956)	N	95.0%	130.0%	N	N	1-Mar-24	A package for consideration of concurrence with the boundary change has been prepared for each city/WMO. Once letters of concurrence are received, a petition to BWSR for the change may move forward.
ACD 53-62 Branches 5 & 6 Repair Report	Adam Nies	\$82,200	\$48,761	\$33,439	N	60.0%	59.3%	Y	N/A	30-Apr-23	Wetland lateral effects analysis has been completed. We are currently preparing a draft repair report.
JD 3 Clearwater Creek Stabilization	Adam Nies	\$74,900	\$78,255	(\$3,355)	N	85.0%	104.5%	Y	N	31-May-24	Modeling of alternatives is nearly completed. We have met with DNR staff to discuss regulatory considerations.
Anoka Washington Judicial Ditch 3 Branches 1, 2, & 4 Construction Management	Adam Nies	\$120,000	\$121,702	(\$1,702)	N	98.0%	101.4%	Y	N	1-Jun-24	Project is substantially complete. Only remaining work to be completed are turf establishment and miscellaneous punch list items.
RCD 4 Final Plans/Specs, Bidding and Construction Management	Adam Nies	\$68,000	\$24,027	\$43,973	N	35.0%	35.3%	Y	N/A	31-Dec-24	The contract has been awarded. Contract documents are currently being prepared/reviewed.
GIS and Ditch Records Maintenance; DrainageDB Annual Subscription	Brian Fischer	\$16,000	\$5,898	\$10,102	N	41.7%	36.9%	Y	N/A	31-Dec-24	Drainage records are being added to DrainageDB on a quarterly basis
MS4Front Annual Subscription and Implementation Services	Brian Fischer	\$16,000	\$1,234	\$14,767	N	41.7%	7.7%	Y	N/A	31-Dec-24	We continued to make updates on an as-requested basis.
RCWD Rule Revision Assistance	Adam Nies	\$36,000	\$14,831	\$21,169	n	45.0%	41.2%	Y	N/A	31-Dec-24	Draft rule language is being presented at the June Board Workshop
Enhanced Street Sweeping Initiative	Rachel Olm	\$29,000	\$2,075	\$26,925	N	5.0%	7.2%	Y	N/A	31-Dec-24	The first step in this project will be a survey of the District's municipal partners to determine existing and desired sweeping practices.

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  $\pm 5\%$ .



**District Engineer  
Monthly Progress Report (Actual & Estimated Progress)  
Through May 2024**

