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RCWD BOARD OF MANAGERS REGULAR MEETING AGENDA

Wednesday, April 26, 2017, 9:00 a.m.

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

Agenda

CALL TO ORDER

ROLL CALL

SETTING OF THE AGENDA

APPROVAL OF APRIL 10, 2017 WORKSHOP MINUTES AND APRIL 12, 2017 MEETING MINUTES.

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
17-007	Anoka County and Aspen Garden Holdings, LLC	Blaine	Final Site Drainage	CAPROC 6 items
17-015	Rosedale Commons LP	Roseville	Final Site Drainage	CAPROC 5 items
17-020	KE Properties	Blaine	Final Site Drainage	CAPROC 6 items
17-022	Eagle Ridge Partners, LLC	Shoreview	Final Site Drainage	CAPROC 7 items
17-025	City of Forest Lake	Forest Lake	Street & Utility Plan	CAPROC 5 items
17-028	Lake Animal Hospital	White Bear Township	Final Site Drainage	CAPROC 6 items

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD District Engineer's Findings and Recommendations, dated April 19, 2017.

CAPROC= Conditional Approval Pending Receipt of Changes

OPEN MIKE

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. Consider 2016 Annual Report. (Beth Carreño)
2. Consider Water Quality Grant Program-Master Water Steward Project: A17-03 Redeemer Lutheran Church – Rain Garden. (Samantha Berger)
3. Consider Pay Request #7 from Rachel Contracting, Inc. for the Hansen Park Project. (Phil Belfiori)
4. Consider Washington Judicial Ditch 2, Branch 2 Repair Task Order. (Phil Belfiori)
5. Summary of Administrator's Performance Review. (President Preiner)
6. Consider Check Register dated April 26, 2017, in the amount of \$324,079.77 prepared by Redpath and Company.

ITEMS FOR DISCUSSION AND INFORMATION

1. Update on MAWD Summer Tour.
2. Staff Reports.
3. May Calendar.
4. Manager's Update.

**APPROVAL OF APRIL 10, 2017 WORKSHOP MINUTES
AND APRIL 12, 2017 MEETING MINUTES.**

Draft

RCWD BOARD OF MANAGERS WORKSHOP

Monday, April 10, 2017, 1:00 p.m.

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

1

2 The Board convened workshop at 1:00 p.m.

3 Attendance: Board members, Patricia Preiner, John Waller, Steve Wagamon, Mike Bradley, and Barbara
4 Haake.

5 Absent: None.

6 Others: Administrator Phil Belfiori (portion of meeting); Public Drainage Inspector Tom Schmidt (portion
7 of meeting); Office Manager Theresa Stasica (portion of meeting); District Engineers Chris Otterness and
8 Mark Deutschman -Houston Engineering (HEI) (portion of meeting); Drainage Attorney John Kolb-Rinke
9 Noonan (portion of meeting); Ben Linden (portion of meeting); Loren Sederstrom and Larry Lanoux –
10 Grant City Council Members (portion of meeting); Bryan Bear- City Administrator – City of Hugo (portion
11 of meeting)

12

13 President Preiner requested an addition to the agenda. Mr. Larry Lanoux's item. President Preiner
14 directed Mr. Larry Lanoux that he had 2 minutes for his impromptu presentation to the Board.

15

16 Mr. Lanoux distributed materials for the Metropolitan Council Stormwater Grant Applications to monitor
17 the illicit discharge from the former Belair site in the City of Grant that is causing algae blooms in Lost
18 Lake.

19

20 Administrator Belfiori informed the Board that the application deadline was April 5. At this time, the
21 District has received 6 complete applications which included a city council approved letter of intent as
22 part of the application since the District was only a grant pass through agency and had no financial
23 responsibility.

24

25 Mr. Lanoux replied that there was not a letter of intent because he recently heard of this program from a
26 city resident.

27

28 The Board informed Mr. Lanoux that the application was incomplete and could not be considered by the
29 Board at their April 12th meeting. Manager Waller recommended Mr. Lanoux bring a completed
30 application back to the District next year. He also recommended talking with the City of Mahtomedi since
31 Lost Lake was in that city.

32

33 Mr. Lanoux thanked the Board for their time.

34

35 **Discussion on Draft WJD 2 Branch 1 Repair Memo.**

36 Administrator Belfiori informed the Board that this was a follow up to the District Engineer's
37 recommended repair memo that was presented at the last workshop. The Board directed staff to
38 investigate an alternative suggested by Manager Waller that there may be a possibility of creating
39 wetland credits in a partnership with City, County, and that the Engineer should include this for Board
40 consideration. Administrator Belfiori thanked Hugo Administrator Bryan Bear and Mr. Linden for being a
41 part of this process for the last 18 months.

42 District Engineer Chris Otterness informed the Board that the WJD2 Branch 1 repair memo was initiated
43 by a July 2015 City of Hugo letter describing a drainage problem in the area on the southwest side of Rice
44 Lake reported by residents. The City believed that since the District was in the process of obtaining
45 permits to do work on WJD2 system north of the location, the District should investigate this area and
46 provide the necessary maintenance to provide relief to upstream property owners. The Board reached
47 consensus that they plan to budget for Branches 1 & 2 for concurrent projects in 2018-2019 as part of the
48 drainage system repair prioritization process started in 2016. At the Board's March workshop, they asked
49 the Engineer to present alternatives. District Engineer Otterness gave some background information to
50 the Board on past projects and the process the District Engineer uses to prepare repair reports/repair
51 memos and offering alternatives. District Engineer Otterness informed the Board with recommend
52 repairs to the official mediated profile, a 2-foot elevation drop would occur in the ditch water levels near
53 Goodview Ave. The City and landowners would still need to clean their private ditch systems to the public
54 system so their properties would receive the drainage.

55 Manager Waller suggested that there may be a possibility of creating wetland credits in a partnership with
56 City and County.

57 District Engineer Otterness stated that the environmental enhancement alternative would require a
58 structure on the drainage system to ensure a predictable outlet. This option would: 1) require purchase
59 of land from multiple landowners; 2) may cause upstream property damage; and 3) would require
60 delisting of the area around Rice Lake as a Public Water. The alternative suggested by Manager Waller
61 would be inconsistent with City's original request and would cause a delay of the repair. District Engineer
62 Otterness stated that repair to the mediated profile would still need to be performed if the Board pursued
63 the Environmental Enhancement option.

64 The Manager's discussed their budgeting cycle and ditch repair schedule which places this repair in 2018-
65 2019.

66 Public Drainage Inspector Schmidt stated the District has investigated the ditch and has found that it is in
67 disrepair, so the District as the Drainage Authority is obligated to address this issue.

68 President Preiner asked the City of Hugo Administrator Bryan Bear if the city council has a preference on
69 how to approach this repair.

70 Hugo Administrator Bear responded that the District has done their work and outlined the benefits to the
71 repair. The City would like the District to continue with the process, hold public information meetings on
72 the repair alternatives and keep the maintenance project in the District's schedule.

73 The Board by majority consensus to move forward with the District Engineer’s recommended repair and
74 continue in the process.

75 **Discussion on Halls Marsh Repair Project.**

76 Administrator Belfiori informed the Board that because the first recommended repair option of jetting the
77 pipe and then placing a slip-lining was not feasible due to the condition of the culverts, the open-cut
78 alternative must be used. This alternative will cause an increase to the project cost.

79 District Engineer Otterness reviewed with the Board the open-cut alternative. Since four landowners
80 share this driveway, HEI is recommending several meetings with these landowners to discuss the repair
81 and the potential of re-locating them during the construction. These cost estimates are not included in
82 the 2017 budget.

83 Administrator Belfiori recommended to the Board, after their April 12th Board action, he will notify the
84 mayor and stakeholders by letter to setup two input/informational meetings with affected landowners on
85 the driveway to discuss the project and timeline.

86 **Update on Browns Preserve Wetland Restoration.**

87 District Engineer Chris Otterness gave a presentation on the two alternatives for management of the site.
88 One alternative is an aggressive approach that would maximize potential credits, but also have a higher
89 cost per credit. The other alternative is to take a year by year approach that would be of lower cost per
90 credit, but may not achieve the maximum credit potential. The Board, by consensus, chose to take the
91 incremental approach.

92 **Discussion on Metropolitan Council Stormwater Grant Applications.**

93 Administrator Phil Belfiori Informed the Board that the District received 6 applications with letters of
94 intent for proposed stormwater management projects in the cities of New Brighton, Hugo, White Bear
95 Township, Shoreview, Columbia Heights, and Fridley. Final grant application packages with be available to
96 the Board at their Wednesday, April 12, 2017 meeting for consideration to submit to the Metropolitan
97 Council on Friday, April 14th. Manager Bradley requested staff verify the cost of White Bear Lake’s
98 project. The listed cost didn’t seem to include both parts of the project proposed.

99 **Discussion on Invitation to Ramsey County Commissioner Huffman on Rice Creek Commons.**

100 Administrator Phil Belfiori informed the Board that this draft letter was due to the conversations he and
101 Managers Haake and Bradley had with the commissioner in December when they met with him regarding
102 potential green infrastructures within Rice Creek Commons in Arden Hills. Administrator Belfiori stated
103 the District had 2017 grant monies for stormwater reuse feasibility projects and Rice Creek Commons was
104 one of the top 10 sites of the study. The Board by consensus agreed to send the letter.

105 **Discussion on Administrator Performance Review.**

106 The Board discussed that within the workshop agenda packet was a 4-page draft form template provided
107 by Sara Noah of Noah and Associates with a memo on the last page to coordinate with Noah and
108 Associates on the process. It was noted that Sara has worked with watershed districts for the past 20
109 years. The Board by consensus agreed to use the form template provided by Sara Noah. Each manager
110 and Administrator Belfiori will complete the form and return the completed form to President Preiner by

111 April 17th. Each completed form will be distributed to all 5 board members and Administrator Belfiori.
112 The Board will conduct Administrator Belfiori’s performance review before their April 26 Board meeting in
113 a noticed executive session. The Board will provide a summary of the review at their April 26th Board
114 meeting.

115 **Discussion on Bylaws/Standing Rules and Procedures Committee of the Whole.**

116 Administrator Belfiori requested direction on this item. The Board discussed using a subcommittee.
117 Manager Waller did not want a subcommittee. President Preiner informed the Board that the bylaws
118 states the President can select a sub-committee. It was noted that a sub-committee would help in
119 facilitating this item and that the board could make the proper motion at the Board’s April 12th meeting.
120 Manager Haake requested managers provide suggestions to her regarding the bylaws and she would
121 recommend including operations as a manager and a manager’s responsibilities. Manager Bradley replied
122 bylaws that managers felt should be policies. Manager Waller believed an important rule would be
123 monies to go back to counties and to designate sub-areas in the watershed management plan, 28 revenue
124 sources and how that money was spent in those areas. Managers Wagamon, Haake, Bradley, and Preiner
125 disagreed. They believed that it is one watershed. They discussed the development of a policy on
126 financing that describes how the District develops priorities for projects at a watershed basis.
127 Administrator Belfiori noted that the District already has that language started in the approved 10-year
128 watershed management plan where you identify project priorities based on resource, regardless of which
129 city/county. Manager Bradley noted another example is by the Board establishing 6-year maintenance
130 schedule for District ditches. He believes that it is the Board’s responsibility to represent the overall
131 needs of the District.

132 **Discussion on President Preiner’s Request.**

133 President Preiner referred to a letter she sent to Washington County providing a detailed record of the
134 salary adjustments approved by the Board of Managers for the Administrator. She noted that this matter
135 arose due to a complaint from one board member to the County, and the County office concluded that
136 there was no basis to the complaint and the matter was closed. President Preiner expressed concern that
137 Manager Waller made this complaint to the County, rather than directly to the Board of Managers. She
138 stated that it was important for the Board to discuss expectations for communications and conduct of
139 board members. Following discussion, the Board of Managers directed that the President send a letter to
140 the Washington County Board of Commissioners providing the full documentation in response to the
141 complaint, as well as the conclusion that there was no basis to the complaint and that the matter is
142 closed. The Board further directed that the President send a letter to the Administrator to apologize for
143 the manner in which this issue had been raised, noting that while the Board needs to improve the process
144 of performance evaluation, the Administrator has done nothing wrong in this matter.

145 The workshop was adjourned at 4:30 p.m.

DRAFT

For Consideration of Approval at the April 26, 2017 Board Meeting.
Use these minutes only for reference until that time.

REGULAR MEETING OF THE RCWD BOARD OF MANAGERS

Wednesday, April 12, 2017

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

Minutes

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CALL TO ORDER

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

ROLL CALL

Present: President Patricia Preiner, 1st Vice-Pres. Barbara Haake, 2nd Vice-Pres. John Waller, Secretary Michael Bradley, and Treasurer Steve Wagamon.

Absent: None

Staff Present: Administrator Phil Belfiori, Permit Coordinator/Wetland Specialist Nick Tomczik, Water Resource Specialist Kyle Axtell, Technician Samantha Berger, Communication and Outreach Coordinator Beth Carreño, Office Manager Theresa Stasica.

Consultants: District Engineer Mark Deutschman from Houston Engineering, Inc. (HEI); and, District Attorney Louis Smith from Smith Partners.

Visitors: Mike Caron, Jason Husveth, Christina Morrison, Marsha Soucheray.

SETTING OF THE AGENDA

District Administrator Belfiori added an item per consensus at the Board workshop meeting, President Appointing Subcommittee for By-Laws and Board Policy Provisions. President Preiner added administrator performance review process and handed out materials regarding further questions on the process and how they are going to proceed with the timeline.

President Preiner stated the location for permit application is 17-027 is Arden Hills, not Columbus which is stated on the agenda.

Motion by Manager Haake, seconded by Manager Wagamon, to adopt the agenda as amended. Motion carried 5-0.

READING OF THE MINUTES AND THEIR APPROVAL

Minutes of the March 22, 2017, Board of Managers Meeting Workshop Meeting. Motion by Manager Wagamon, seconded by Manager Bradley, to approve the minutes as amended.

Further Discussion:

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Manager Bradley requested the following change:

- Page 10, Line 273 to state: “upstream”, not “downstream”. Add the sentence “And asked if downstream land is adversely affected”.

Manager Bradley requested the following change:

- Page 10, Line 275 to state: “downstream” rather than “downgradient”.

City Attorney Smith requested the following change:

- Lines 135-137, revise to read: “President Preiner ~~stated she would like something added~~ expressed the Board consensus that the obligation to maintain the installation be recorded because Park Boards change and the next group might change the use and if the District is going to invest 75% they should have some determination in the use.”
- Line 188: Change “opened” to “reopened.”
- Lines 329-331: “District Administrator Belfiori stated after ~~several months of working with the CLFLWD attorney reviewed the requested~~ Washington County Board role regarding disposition of JD6 with the County Attorney’s office, ~~the CLFLWD’s attorney has met unsurmountable resistance from the County Attorney’s office to~~ has concluded that it does not support the notion of County facilitation of drainage authority transfer.
- Lines 371-372: “It is expected that the ~~The~~ CLFLWD Board will ~~hopefully~~ adopt ~~the same sort of~~ a similar resolution supporting the legislation at ~~their~~ its meeting tomorrow.

Motion carried 5-0.

CONSENT AGENDA

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

Table of Contents

Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
17-027	Roberts Management Groups, LLC	Arden Hills	Final Site Drainage	CAPROC 6 items

It was moved by Manager Haake, seconded by Manager Bradley, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD District Engineer’s Findings and Recommendations, dated April 5, 2017.

Further Discussion:

83 Manager Bradley stated on page 23 under stormwater, there is a table and in the right-hand column which
84 states "EOF" and he wondered what that meant. Permit Coordinator/Wetland Specialist Tomczik stated it
85 means "Emergency Overflow".
86

87 **Motion carried 5-0.**

89	No.	Applicant	Location	Plan Type	Recommendation
90	17-006	Tiller Corporation (Determan Property)	Blaine	Final Site Drainage Wetland Alteration	Variance Request & CAPROC 13 items

93 Permit Coordinator/Wetland Specialist Tomczik stated this is a CAPROC item that also requires a variance. He
94 reviewed the project with the Board.
95

96 Permit Coordinator/Wetland Specialist Tomczik stated the project proposes to expand a gravel stockpiling area to
97 better meet the updated production requirements of asphalt and concrete onsite. The project will increase the
98 site's footprint from 11.2 acres to 15.8 acres of impervious area on 3 parcels totaling 37.0± acres in Blaine. The
99 applicant will disturb an additional 1.36± acres of impervious surface and 8.5± acres overall. ACD 53-62, Branch 6,
100 Lateral 1 flows through the property (but will not be impacted by the proposed project) to Golden Lake, the
101 Resource of Concern.
102

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

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

114
115 Permit Coordinator/Wetland Specialist Tomczik informed the Board that he would reiterate the above
116 criteria and District Technician Berger would reply with the District Engineers response.
117

118 Permit Coordinator/Wetland Specialist Tomczik asked per practical difficulties criterion (a), the applicant has not
119 met the average 50-foot requirement or the 25-foot minimum.

120 District Technician Berger replied: The areas where the minimum distance is not met can be found in the Exhibit A
121 Request for Variance dated 1-30-2017. The Engineer's Report (ER) for the Blaine – Determan Project, dated April 5,
122 2017 finds that the applicant would need to provide an additional 17,797 S.F. of buffer to meet the average 50-foot
123 width. The applicant is proposing to change manicured lawn to non-invasive, non-maintenance intensive vegetation
124 to the maximum extent practicable within the buffer. Other than Rule F.6(e)(1)&(2), the applicant will meet the
125 remaining provisions of the buffer requirement.
126

127 Permit Coordinator/Wetland Specialist Tomczik asked per practical difficulties criterion (b) the effect the variance
128 would have on government services. District Technician Berger replied: Per criterion (b), issuance of a variance for the
129 Blaine - Determan Project is not expected to increase flooding (see criterion (c)) or have any negative effect on
130 government services.

131
132 Permit Coordinator/Wetland Specialist Tomczik asked Per criterion (c), which sets the criteria for consideration of
133 whether the variance will effect a substantial change in the character of resources within the watershed, the
134 District Engineer used three criteria to assess substantial change: 1) water quality, defined the quantity of pollutants
135 such as phosphorus and suspended sediment leaving the site and the potential for degrading water quality
136 downstream; 2) the presence of and potential impact to special and impaired waterbodies as defined by various
137 laws including the Minnesota Pollution Control Agency stormwater program, whether a water body is impaired and
138 related designations including Wild and Scenic or Outstanding Natural Resource Value designations; and 3)
139 flooding, the potential for flood damages or other adverse hydrologic impacts.

140
141 Permit Coordinator/Wetland Specialist Tomczik asked: In assessing whether a substantial change in the character
142 of the watershed resources may occur, we considered, not exclusively but as a measure of impact, the presence of
143 and potential impact to the following:

- 144
145
- 146 • a 303(d) listed water body (i.e., an impaired water);
 - 147 • a high quality or non-degraded wetland;
 - 148 • a federally listed threatened or endangered species or state threatened, endangered or species of special
concern and their critical habitat;
 - 149 • a Scientific and Natural Area as defined by the Minnesota Department of Natural Resources;
 - 150 • resources protected from nondegradation as identified within 7050.0180 Nondegradation for Outstanding
151 Resource Value Waters; and
 - 152 • Other generally sensitive resources.

153
154 District Technician Berger replied: Golden Lake, which receives project drainage, is listed on the Section 303(d)
155 impaired water list. The affected designated use is aquatic recreation with a pollutant or stressor of
156 nutrient/eutrophication biological indicators. The project as a whole is not expected to cause adverse impacts.
157 Curb, gutter and storm sewer will route all drainage to a NURP pond to mitigate the effect of the lack of buffer by
158 removing pollutants prior to runoff entering the wetlands. No untreated surface is routed to the wetlands.

159
160 It is not likely that the other resources identified above will be negatively affected by the reduced buffer widths.

161
162 Permit Coordinator/Wetland Specialist Tomczik asked: Per criterion (c) and whether issuing the variance has a
163 negative effect to the neighboring properties, we considered whether the granting variance will:

- 164
- 165 • cause or contribute to a change in the 100-year floodplain elevation immediately downstream or upstream
166 of the project site
 - 167 • increase the frequency or magnitude of flood damages to adjacent properties; or
 - 168 • increase hardship downstream from peak flow and flood duration.

169
170 District Technician Berger replied: The proposed variance is for the buffer requirements, which has minimal effect
171 of flood elevations. The applicant has complied with the Rule C stormwater requirements for peak rate and water
172 quality.

173
174 The proposed variance on the buffer requirements will have a minimal effect on the adjacent wetland resources.
175 The wetland is large and extends off the property to the south, east, and west. Based on the size of the wetland
176 and the length of the reduced buffer width, it does not appear that the reduced buffer will have an effect on the
177 wetland resource. Additionally, the applicant is collecting and treating all runoff from the newly created
178 impervious surface via stormwater ponds, so no direct runoff from new or reconstructed impervious will enter the
179 wetland without treatment. The applicant is providing buffer in areas where feasible.

180
181 Permit Coordinator/Wetland Specialist Tomczik asked: Per criterion (d), an assessment of whether the practical
182 difficulty can be alleviated by a feasible method other than a variance (economic considerations play a role in the
183 analysis under this factor) is necessary.

184 District Technician Berger replied: The existing site access drive and building and infrastructure already conflict
185 with the ability to provide wetland buffer required under the current District Rules. The applicant has indicated that
186 the project cannot be built in a manner to accomplish the required site layout without the variance, as the project
187 must be built in a certain manner to allow for stockpiling and handling of materials and the maneuvering of heavy
188 equipment. The stockpiling size and equipment location requirements are not engineering related and thus not
189 evaluated. However, the applicant used the smallest impact while meeting the other design and proximity
190 requirements based on assessed alternatives. The entire site is comprised of the development area, wetlands, or
191 buffer. To meet the minimum buffer width requirement or the average buffer width requirement, additional
192 wetland could be filled to create the buffer, or access drives removed and building and infrastructure reconfigured,
193 however this is not considered acceptable under WCA and/or is not considered prudent.

194
195 Permit Coordinator/Wetland Specialist Tomczik asked: Per criterion (e), we considered how the practical difficulty
196 occurred, including whether the landowner created the need for the variance requires consideration.

197 District Technician Berger replied: The District Engineer finds that the current landowner did not cause the
198 situation which lead to the implied practical difficulty. The need for a variance was created by the proposed
199 project and the structures in place prior to implementation of the buffer requirements. Per the discussion above,
200 there is no feasible way to do the project which meets the requirements of the applicant, the District, and the City
201 without a variance.

202
203 Permit Coordinator/Wetland Specialist Tomczik asked: In consideration of criterion (f), some determination of
204 whether in light of all of the above factors, allowing the variance will serve the interests of justice.

205 District Technician Berger replied: This criterion lies largely in the Board's domain as it involves judgments of a
206 non-technical nature. Our criterion for assessing this portion of the practical difficulties standard is the ability or
207 inability of other permit applicants with similar site conditions to comply with the Rule F.6(e) wetland buffer
208 requirements. Other applicants have had the ability to feasibly meet this requirement onsite because the site
209 constraints presented here were not evident.

210
211 Manger Haake stated where on the diagram were some of the existing ponds and where were ponds being added.
212 Technician Berger showed on the diagram where the new ponds will be created.

213

214 Manager Haake asked how deep the ponds will be. Permit Coordinator/Wetland Specialist Tomczik stated the
215 water will be four to five feet deep and is not unusual for a stormwater pond.
216

217 Manager Bradley asked if the existing service road that needs the variance is being widened or modifying it.
218 Technician Berger indicated as far as she knew they were not. Permit Coordinator/Wetland Specialist Tomczik
219 stated for clarity there is no work in the area of this existing service road. The District’s stormwater rule requires
220 the establishment of the easement and buffers even though the new impervious area is somewhere else on the
221 parcel.
222

223 Manager Haake stated if they are going down four feet with the ponds and the water table is two feet is there any
224 way to filter out what is coming off the hard surfaces before it gets into the water table. Permit
225 Coordinator/Wetland Specialist Tomczik stated generally the idea of a stormwater pond is to capture the sediment
226 preventing it from moving downstream. Storm ponds likely do have pretreatment to remove some of the courser
227 materials but once they go into the pond the idea is that they detain the water, eliminate turbulence and the
228 sediment falls to the bottom and the water flows out of there cleaner and into the adjacent surface waters.
229

230 District Engineer Deutschman clarified for the Board how pollutants move through the pond.
231

232 ***It was moved by Manager Wagamon, and seconded by Manager Bradley, to approve the variance on***
233 ***Permit 17-006 and CAPROC permit 17-006 as outlined in accordance with RCWD District Engineer’s***
234 ***Findings and Recommendations, dated April 5, 2017.***
235

236 Further Discussion:
237

238 Manager Bradley thanked staff and indicated they recently changed practices to take conditions and incorporating
239 them in specific CAPROC requirements and he appreciated that.
240

241 ***Motion carried 5-0.***
242

243 District Attorney reiterated that the Boards motion to approve the variance was approved based on staff’s findings.
244

245 **OPEN MIKE – LIMIT 12 MINUTES.** *Any RCWD resident may address the Board in his or her individual capacity, for*
246 *up to three minutes, on any matter not on the agenda. Speakers are requested to come to the podium, state their name and*
247 *address for the record. Additional comments may be solicited and accepted in writing. Generally, the Board of Managers*
248 *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*
249 *the matter be scheduled on an upcoming agenda.*

250 There were no comments made at Open Mike.
251

252 **ADDITIONAL ITEMS REQUIRING BOARD ACTION**

253 **1. Water Quality Grant Program.**

- 254 a. R17-02 Master Water Steward Project: Bobby Thiesen Park Rain Garden, Marsha Soucheray
255 Technician Berger introduced Marsha Soucheray, Master Water Steward, who spoke about the Master
256 Water Steward Program.
257

258 Technician Berger explained this project proposes the installation of a raingarden at parking lot at Bobby
259 Thiesen Park in Shoreview. The project will remove 4 parking stalls to install a multi-celled raingarden.
260 The project is adjacent to Island Lake, which is Tier II waterbody in the RCWD Watershed Management Plan.
261 Island Lake is impaired for nutrients.

262
263 The project is sized to treat a .42-inch rainfall even and will remove approximately 22,328 cubic feet of
264 volume (55% reduction), 243 lbs of TSS (54% reduction), and .31 pounds of TP (53% reduction). The project
265 would be beneficial for the lake, and in a highly visible area that would help provide education on the
266 importance of water quality for those people visiting the park for sporting events. The Ramsey conservation
267 District prepared a bid for the project totaling approximately \$17,578. The City of Shoreview obtained two
268 bids for the projects, Earth Wizards provided a bid at \$23,253 and Outdoor Labs provided a bid at \$15,329.

269
270 Technician Berger noted the project benefits would be volume reduction of runoff and pollutants entering
271 into Island Lake; an eligible practice on the City's MS4 annual reporting for Waste Load Allocations
272 associated with the Island Lake impairment and associated SW Urban Lakes TMDL Study; Educate the public
273 on behavioral changes that can be made to improve water quality and beautify the space.

274
275 This proposal was considered by the RCWD Citizen Advisory Committee at its meeting held on April 6, 2017.
276 The CAC discussed the application and recommended the RCWD Board of Managers approve this project
277 for up to \$11,249 in cost-share funding, not to exceed 75% of eligible project expenses.

278
279 President Preiner asked if they were moving from the 50% to the 75% category generally now. Technician
280 Berger thought they were seeing better projects that are accepting hard surface runoff which is the reason
281 why they are recommending that and in this situation, it is directly adjacent to the lake.

282
283 Manager Bradley brought a monetary difference to Technician Berger's attention within the staff report and
284 indicated the amount that is in the motion is less than the amount recommended in the report. Manager
285 Haake stated she liked the lower amount.

286
287 ***Motion by Manager Haake, seconded by Manager Bradley, to approve RCWD Water Quality Grant***
288 ***Program Contract R17-02 for the Bobby Thiesen Rain Garden project, up to \$11,249 and not to exceed***
289 ***75% of eligible project expenses, in accordance with established program guidelines. Motion carried 5-***
290 ***0.***

291
292 b. R17-03 Erickson Shoreline Buffer

293 Technician Berger explained this project proposes the installation of a shoreline buffer along Lake Josephine
294 in Roseville, MN. The landowner is looking to remove existing turf to install a shoreline buffer along the
295 steep slope leading to the lake. Lake Josephine is a Tier I Waterbody in the RCWD Watershed Management
296 Plan.

297
298 Overall, staff supports this project and concurs with the recommendations of the Ramsey Conservation
299 District. The goal would be to have this project inspire other folks in the community to install similar
300 practices.

301

302 The landowner obtained two bids for the project. Outdoor Innovations Landscaping estimated the cost for
 303 the shoreline restoration at approximately \$7,155.75 from Prairie Restorations and the Outdoor Labs
 304 estimated the cost at \$7,569.

305
 306 Ultimately, this project will help to eliminate 15.81 lbs. of Total Suspended Solids, a 72% reductions and
 307 .0467 lbs. of Total Phosphorous per yea, a 68% reduction. The applicant has submitted an application to
 308 encumber up to \$3,577.88 in cost-share funding for this project, not to exceed 50% of eligible project
 309 expenses.

310
 311 This proposal was considered by the RCWD Citizen Advisory Committee at its meeting held on April 6, 2017.
 312 The CAC discussed the application and passed a motion recommending that the RCWD Board of Managers
 313 approve this project for up to \$3,577.88 in cost-share funding, not to exceed 50% of eligible project
 314 expenses.

315
 316 Manager Haake stated in the past they have notified everyone in the area of the restoration to come and
 317 look at it and possibly do one and she has not done that recently. Technician Berger stated when they
 318 looked at the project there was discussion about a neighbor possibly doing the same thing and she thought
 319 this would be something they could explore in the future.

320
 321 ***Motion by Manager Haake, seconded by Manager Bradley, to approve RCWD Water Quality Grant***
 322 ***Program Contract R17-03 for the Erickson’s shoreline project, up to \$3,577.88 and not to exceed 50% of***
 323 ***eligible project expenses, in accordance with established program guidelines. Motion carried 5-0.***

324
 325 Communication and Outreach Coordinator Carreño stated they have been talking a lot about how her
 326 position can support the strategies for some of these projects and making the largest impact with their
 327 investments.

328
 329 **2. Consider Appointment of John Bartunek to the RCWD Citizen Advisory Committee.**

330 Communication and Outreach Coordinator Carreño stated the Board of Managers is required to maintain an
 331 advisory committee to advise and assist the Managers with all matters affecting the interests of the
 332 watershed district as well as to make recommendations on all proposed RCWD projects and improvements.

333
 334 The City of Hugo and other partners in Washington County were contacted by District staff for assistance in
 335 recruiting CAC members. City of Hugo provided the name of the current applicant, John Bartunek, and Mr.
 336 Bartunek submitted an application. Mr. Bartunek lives in Hugo (Washington County). Mr. Bartunek is
 337 responsible for stormwater management at Xcel Energy and teaches stormwater management certification
 338 courses at the U of M. Mr. Bartunek attended the CAC meeting on March 1, 2017 prior to submitting his
 339 application.

340
 341 If approved, Mr. Bartunek would fill one of the two vacancies in Washington County. There are no other
 342 eligible applicants from Washington County. Staff recommends that the Board appoint John Bartunek to fill
 343 one of the Washington County vacancies on the CAC at the April 12, 2017 Board meeting. However, the
 344 Board may decide to interview Mr. Bartunek before the decision to appoint is made.

345

346 President Preiner asked after Mr. Bartunek attended the meeting did he have questions that the Board
 347 should be considering. Communication and Outreach Coordinator Carreño indicated Mr. Bartunek
 348 attended a very busy CAC meeting where a lot of discussion was taking place and she thought he was
 349 excited about the work that was being done and appreciated the thoughtful, approach and open dialogue
 350 taking place.

351
 352 ***Motion by Manager Haake, seconded by Manager Waller, to appoint John Bartunek to serve on the***
 353 ***District’s Citizen Advisory Committee for the remainder of 2017.***
 354

355 Manager Bradley indicated he knew Mr. Bartunek professionally and felt he was well qualified.

356
 357 ***Motion carried 5-0.***
 358

359 Communication and Outreach Coordinator Carreño thanked Manager Waller for his help and knowledge in
 360 the recruitment process.

361
 362 **3. Consider Design Task Order for the Oasis Pond Iron-Enhanced Sand Filter (IESF) Project.**

363 Water Resource Specialist Axtell stated the RCWD Board of Managers held a duly noticed public hearing on
 364 March 8, 2017 for the Oasis Pond Iron-Enhanced Sand Filter Project and passed Resolution 2017-06,
 365 ordering the project, authorizing execution of the BWSR grant agreement and authorizing execution of a
 366 project agreement with the City of Roseville. Since that time, Roseville has also executed the project
 367 agreement and BWSR has approved the grant work plan and executed the grant agreement.

368
 369 Houston Engineering, Inc. has worked with RCWD staff to develop Task Order 2017-016 for the
 370 development of final design construction plans and specifications for the project and to assist RCWD staff
 371 with regulatory applications (Minnesota DNR, Army Corps of Engineers) and bid solicitation. The bidding
 372 process will be completed in 2017 in anticipation of undertaking construction in the summer of 2018. The
 373 cost of the proposed task order is not to exceed \$48,700, which includes a sub-consultant agreement with
 374 Sebesta for the electrical engineering portion of the project.

375
 376 We anticipate one more task order to be necessary in the future for construction oversight and close-out
 377 processes. This will be presented to the Board for consideration at a later, more appropriate time.

378
 379 ***Motion by Manager Waller, seconded by Manager Haake, to approve the Houston Engineering request***
 380 ***for services with a total cost of \$48,700 as defined in the attached Task Order 2017-016, dated April 5,***
 381 ***2017, authorizing the Board President to execute the document. Motion carried 5-0.***
 382

383 **4. Consider Metropolitan Council Stormwater Grant Application**

384 District Administrator Belfiori stated as discussed at the March 22, 2017 Board meeting and the April 10,
 385 2017 Board workshop, attached please find six draft applications for the 2017 Metropolitan Council
 386 Stormwater Grant. Staff is currently working with Cities to make minor revisions and finalize the grant
 387 applications. A final grant application package will be available to the Board at the April 12, 2017 Board
 388 meeting. The purpose of the Metropolitan Council Stormwater Grant is to provide partial funding for
 389 stormwater improvements that our partner Cities would like to undertake. Through strong coordination

390 with our partners, the District has received application requests for \$1,025,200 in grant funding for high
391 priority projects in six communities, with total project costs of over \$3.5 million.
392

393 According to Metropolitan Council requirements, the District must be the named applicant and will sign the
394 grant agreement as the Grantee if the application is successful. The District requested cities to provide the
395 attached letter of intent as a precondition of the District’s application to the Council for such funds. The
396 letter identifies that if a grant is awarded to the RCWD and the grant agreement is signed, the city will be
397 responsible to ensure that all terms of the grant agreement are met including (but not limited to): a
398 requirement to execute a memorandum of agreement between the District and the City that will include
399 preparing the required work plan and budget, funding the required 25 percent local contribution (except as
400 the District independently may provide cost-share), completing construction or installation per the grant
401 agreement, performing required maintenance, and holding the District harmless and indemnify it with
402 respect to all claims, costs and liabilities arising from the grant and the supported project.
403

404 ***Motion by Manager Haake, seconded by Manager Waller, to authorize RCWD staff to submit the six***
405 ***attached 2017 Metropolitan Council Stormwater Grant Applications.***
406

407 Manager Bradley assumed District Administrator Belfiori contacted White Bear Township and got their
408 application funding amount corrected. District Administrator Belfiori indicated he did and thanked
409 Manager Bradley for noticing.
410

411 ***Motion carried 5-0.***
412

413 **5. Consider Task Order for Anoka County Ditch 53-62 Branch 2 Design and Construction Management**

414 District Administrator Belfiori stated as a follow-up to the March 22, 2017 Board approved Resolution
415 which ordered the repair and continued implementation of the Anoka County District (ACD) 53-62 Branch
416 2 repair, please find attached for Board consideration, Houston Engineering’s (HEI) task order 2017-011.
417

418 The professional services to be provided are identified in the attached HEI document and include:
419

- 420 • Coordination of permitting, design, prepare construction plans, prepare bid documents, complete
421 construction management services and provide project management for the repairs;
- 422 • Complete the necessary permit application and respond to agency questions and work toward
423 acquisition of permits;
- 424 • Complete “reasonably necessary area” maps for construction (i.e., construction limits) on that will
425 be revised based on landowner requests and District comments.
- 426 • Design of the channel repairs, channel realignment, erosion repairs, and culvert structures, based
427 on recommendations of the ACD 53-62 Branch 2 Repair Report and develop an Engineer’s Opinion
428 of Probable Construction Cost;
- 429 • Preparing the bid documents, bid advertisement, review of the bids received and prepare a
430 memorandum recommending the preferred contractor; and
- 431 • Providing construction observation services. To should be noted that HEI is responsible for directing
432 the contractor to reasonably ensure construction according to the plans. HEI has estimated the
433 total cost of services at \$ 94,800. The estimated total cost for these services was included in the

434 approved RCWD 2017 budget (assuming some inspection services etc. taking place in 2018 budget).
 435 Funds for this effort will come out of fund 60-32 ACD 53-62 Branch 2 repair.
 436

437 Manager Bradley asked for clarification of attachments B and C. District Engineer Deutschman stated this
 438 is the outline for the construction specifications.
 439

440 ***Motion by Manager Wagamon, seconded by Manager Haake, to approve the Houston Engineering***
 441 ***request for services with a total cost of \$94,800 as defined in the attached HEI Task Order 2017-11 dated***
 442 ***March 10, 2017 and authorize the Board President to execute the document. Motion carried 5-0.***
 443

444 **6. Consider Browns Preserve Monitoring and Bank Management Task Order**

445 District Administrator Belfiori stated as a follow-up to the March 6, 2017 Board workshop meeting, please
 446 find attached for Board consideration, Houston Engineering's (HEI) task order 2017-015 related to Browns
 447 Preserve Monitoring, Crediting maximization, and bank management.
 448

449 The professional services to be provided are identified in the attached HEI document and include (assuming
 450 Board consensus at the April 10, 2017 Board workshop to pursue the ("reduced management alternative")):
 451

- 452 • Development of quote package for subcontractor to perform management work;
- 453 • Completing annual monitoring and reporting;
- 454 • Management and oversight of subcontractor doing the field work;
- 455 • Coordination of the credit management process with agencies and developing a credit report and
 456 deposit forms; and
- 457 • Conducting a follow-up wetland delineation.
 458

459 As noted in the attached table, the "reduced management alternative" provides the lowest cost per credit
 460 realized and matches the HEI recommend annual budget for this anticipated work as was contained in the
 461 approved 2017 budget. It should also be noted that the estimated total cost of services (59,840) does not
 462 include cost for subcontractor site management /field work which HEI estimates at apx. \$30,000. Given that
 463 the portion of the overall cost will be billed in 2018, it is anticipated that the estimated total cost for these
 464 services was included in the approved RCWD 2017 budget within fund 60-18.
 465

466 District Engineer Deutschman noted their contractual agreement with the District requires that if they use a
 467 sub-consultant it requires approval of the District, which is why he is bringing it to the Boards attention.
 468 This task order is largely being completed by CCES, using the contract vehicle between the District and
 469 Houston Engineering. CCES will be doing the management of the contractor and reporting monitoring
 470 results. The District will have a separate agreement with the contractor to do the actual Brown's Preserve
 471 management work for the coming year, which typically includes spraying, thatch removal, prescribed
 472 burning and similar activities.
 473

474 ***Motion by Manager Haake, seconded by Manager Bradley, to approve the Houston Engineering request***
 475 ***for services with a total cost of \$59,840 as defined in the attached HEI Task Order 2017-15 dated March***
 476 ***30, 2017 and authorize the Board President to execute the document. Motion carried 5-0.***
 477

478 **7. Consider Annual Curlyleaf Pondweed Management Program.**

479 District Administrator Belfiori stated this year, as in previous years, they are moving forward with Curlyleaf
 480 Pondweed treatment. This year, in three lakes, Bald Eagle Lake, Silver Lake and Reshanau lake. He noted
 481 the table should be changed for the Reshanau 2017 per the agreement shown on page 144. The amounts
 482 should be \$12,000 for RCWD; \$12,000 for Reshanau for a total cost of \$24,000. This is consistent with the
 483 agreement.

484
 485 Manager Bradley noticed the cost share with the DNR is for zero dollars and he assumed staff will seek any
 486 funds that are available. District Administrator Belfiori stated the grant submission closed in roughly three
 487 hours this year and the District missed the opening.

488
 489 ***Motion by Manager Wagamon, seconded by Manager Bradley, to authorize the Administrator to enter***
 490 ***into agreements with Reshanau and Silver Lake Cooperators to cost-share on Curlyleaf pondweed***
 491 ***treatments. Motion carried 5-0.***

492
 493 ***Motion by Manager Wagamon, seconded by Manager Bradley, to authorize the Administrator to enter***
 494 ***into professional service agreements with PLM Lake and Land Management for chemical treatment of***
 495 ***Reshanau, Bald Eagle, and Silver Lakes, with the total contract cost not to exceed \$52,000.***

496
 497 District Administrator Belfiori noted the District has an ongoing agreement with Bald Eagle Lake for
 498 treatment so no approval is needed.

499
 500 ***Motion carried 5-0.***

501
 502 **8. Consider Halls Marsh Outlet Repair Task Order.**

503 District Administrator Belfiori stated as a follow-up to the February 6, 2017 Board workshop meeting,
 504 please find attached for Board consideration, Houston Engineering’s (HEI) task order 2017-012 related to
 505 the Engineering services for construction of Halls Marsh Outlet Repair Project.

506
 507 The professional services to be provided are identified in the attached HEI document and include (Pending
 508 the Board discussion at the April 10, 2017 Board workshop):

- 509
 510
- Development of final design and construction of the Halls Marsh Outlet Repair Project.
 - Coordination with the DNR to amend the existing Public Waters Work Permit and coordination with the City of Mahtomedi public works staff related to utilities in the area.
 - Conducting an initial meeting with the affected landowners and a second informational meeting with affected residences associated logistics of homeowner temporary relocation during construction.
 - HEI will assist the District with project solicitation and the bid process and will conduct a pre-bid meeting to explain the project to prospective contractors.
 - HEI will assist the District with construction management.
- 511
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 518

519 As noted in the attached HEI task order table, the total project cost for the project is estimated to range
 520 from \$107,200 – \$135,200. The approved 2017 budget for this work as included in fund 95-03 is \$40,000.
 521 Given the extent and scale of the construction needed to repair this outlet was not anticipated in the
 522 approved 2017 budget, staff recommends use of approximately \$70,000 - \$100,000 of District fund balance
 523 to address the difference between the approved 2017 budget for fund 95-03 and the estimated total

524 project cost. The necessary fund balance would be transferred to fund 95-03 as part of the upcoming fund
525 balance transfer process in spring/summer 2017.

526
527 **Motion by Manager Waller, seconded by Manager Haake, to approve the Houston Engineering request**
528 **for services with a total cost of \$29,200 as defined in the attached HEI Task Order 2017-12 dated March**
529 **31, 2017 and authorize the Board President to execute the document.**

530
531 Manager Haake indicated she would like to see Mahtomedi contribute some money to this since there is a
532 repair being made to a sanitary sewer pipe that has been deteriorating, one of their city pipes.

533
534 **Motion carried 5-0.**

535
536 Manager Bradley asked to revisit item 7 for cost review.

537
538 **Reconsider annual Curlyleaf Pondweed Management Program**

539
540 Manager Bradley stated in reviewing this the \$52,000 matched the prior amended cost of \$5,400 for Silver
541 Lake, \$32,658 for Bald Eagle Lake and \$13,476 for Reshanau Lake. He wondered if this should be
542 amended to \$64,000 to reflect the revised numbers. District Administrator Belfiori stated the amount
543 should be \$62,123. He asked if the motion could be amended.

544
545 **Motion by Manager Waller, seconded by Manager Bradley, to reconsider the motion to enter into**
546 **professional service agreements with PLM Lake and Land Management for chemical treatment of**
547 **Reshanau, Bald Eagle, and Silver Lakes. Motion carried 5-0.**

548
549 **Motion by Manager Wagamon, seconded by Manager Bradley, to authorize the Administrator to enter**
550 **into professional service agreements with PLM Lake and Land Management for chemical treatment of**
551 **Reshanau, Bald Eagle, and Silver Lakes, with the total contract cost not to exceed \$62,123.**

552
553 Manager Haake stated it was noted the District was not contributing \$24,000 initially and understood
554 District Administrator Belfiori would work with the \$52,000 that was approved. She stated she was going
555 to vote against raising this. Manager Bradley felt this was a math issue and should have been corrected.

556
557 **ROLL CALL:**
558 **Manager Waller – Aye**
559 **Manager Haake – Nay**
560 **Manager Bradley – Aye**
561 **Manager Wagamon – Aye**
562 **President Preiner – Aye**

563
564 **Motion carried 4-1 (Manager Haake).**

565
566 **9. Consider Check Register dated April 12, 2017, in the amount of \$993,177.98, prepared by Redpath and**
567 **Company.**

568 **Motion by Manager Wagamon, seconded by Manager Waller, to approve check register dated April 12,**
569 **2017, in the amount of \$993,177.98, prepared by Redpath and Company.**

570
571 District Administrator Belfiori reviewed the large payments being made that were listed on the check
572 register. These were 2-project payment requests approved at the Boards April 12, 2017.

573
574 **Motion carried 5-0.**

575
576 **ITEMS FOR DISCUSSION AND INFORMATION**

577 **1. Appointing Subcommittee for By-Laws and Board Policy Provisions**

578 District Administrator Belfiori noted at the April 10, 2017 workshop meeting there was Board consensus for
579 the President to appoint a subcommittee related to by-laws and board policy provisions.

580
581 President Preiner appointed Managers Haake and Bradley to the subcommittee and indicated they needed
582 to have a discussion regarding structure. She stated she would like to see, if possible to have a few
583 meetings and when they are ready then all five members should meet to discuss.

584
585 Manager Haake understood they are going through the by-laws and current policies and procedures and
586 because she knew the entire Board needed to be involved including staff, she wondered if everyone could
587 get a copy and have them review for suggestions so Manager Bradley and herself know what to discuss.
588 Manager Bradley stated he wanted Manager Haake to be Chairperson of the sub-committee because she
589 seemed well versed in this. He thought they should set a deadline for meeting and have the other
590 members along with staff submit any issues they might have for them to discuss.

591
592 Manager Haake noted the sub-committee will meet on April 27, 2017 so if anyone has anything they want
593 reviewed to submit them by that date.

594
595 **Motion by Manager Wagamon, seconded by Manager Waller, to appoint Manager Bradley and Manager**
596 **Haake to the By-Laws Subcommittee. Motion carried 5-0.**

597
598 **2. Administrator’s Annual Performance Review**

599 President Preiner stated this item is in reference to the annual performance review for District
600 Administrator Belfiori. She stated she forwarded to District Administrator Belfiori some of the questions
601 the Board still had. She stated the process is everyone will get their review into her by April 17, 2017 and
602 she will forward them to staff and publicly notice a meeting at 8:00 a.m. on April 26, 2017 before the
603 regular board meeting for review.

604
605 President Preiner stated in regard to item 4, who do they want to summarize the evaluation forms.
606 Originally, they discussed having Sarah Noah do this but there are other people they can find to do this.
607 Manager Bradley did not think they needed to be summarized.

608
609 Consensus of the Board was there would be no need to summarize the forms.

610
611 President Preiner stated she did receive from Manager Bradley a way to put the form online so she would
612 send it out to everyone.

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Motion by Manager Haake, seconded by Manager Wagamon, to approve the attached Administrator Annual Performance Review form and the process and timeline as described. Motion carried 5-0.

3. District Engineers Update and Timeline.

District Engineer Deutschman updated the Board on engineering activities and timelines. He noted he was pleased how District staff and Houston Engineering staff have worked so well together to get projects completed, under the direction of Administrator Belfiori

Manager Haake wanted to personally thank the staff for their contributions. She suggested a letter of thanks be given to the staff because they like to know that they are recognized and appreciated as well as receiving salary increases.

Consensus of the Board was to add a letter of thanks from the Board to staff for personnel files. Manager Waller thought this deserved a motion to be made.

Motion by Manager Haake, seconded by Manager Wagamon, to have Administrator Belfiori draft a letter of commendation for staff.

District Engineer Deutschman stated he the roles are clear in terms of who is doing what which creates efficiency and cost savings for the District.

Motion carried 5-0.

3. Manager’s Update

Manager Bradley stated he attended the Ramsey County AIS meeting. He stated he is going to take a course to be qualified to inspect boats at the boat ramp on Bald Eagle, along with his wife and a few neighbors.

Manager Haake stated she will be attending a meeting the DNR is having of the North and Northeast Metro Ground Water Management Area study that is to deal with White Bear Lake and the levels. The discussion is going to be on some of the different options and one option is going to be the idea of bringing in water from Lake Vadnais to White Bear to augment the lake. Manager Wagamon thought the lake was within historical levels so he wondered why they were going to bring water over from another lake. Manager Bradley stated this is why they want to try to have an established level determined.

The Board discussed the USGS report and modeling.

Manager Waller noted he attended the Washington County Consortium meeting and they are in the planning stages, talking about how the planning is working between the County and Townships. There is not the coordination with the cities so they are discussing how they can work that together as well. There was also discussion about how the Watershed Districts in Washington County would coordinate with the cities in Washington County.

657 Manager Waller stated he also ran into former Mayor McAllister and he had asked earlier that since he has
658 paid into the Rice Creek Watershed District since the beginning of it but is geographically located outside
659 the District, he wondered if the District would be able to do a project in his area if they need it. He stated
660 that is a question that should be answered and hoped an answer could be sent to Mr. McAllister regarding
661 that.

662
663 Manager Waller stated he realized they have a great deal of difference in the Watershed itself as far as the
664 needs in the geographical area. The upward part of the Watershed District is much different in its stage in
665 life than what the lower part is. Over the years he has noticed they have been stretched for funds for
666 maintenance. He asked District Attorney Smith if they can break down subdivisions in the Watershed
667 District by County and tax at different rates for the needs that are there because the needs in Ramsey
668 County are different than the needs for Washington County. He wondered if they could become more site
669 specific with needs. District Attorney Smith stated there would not be a need for legislation for the
670 Watershed District to adopt a sub-watershed district approach. This has already been done on a much
671 smaller scale within their drainage systems and to a certain degree with the lake work. The areas that the
672 District draw from for a specialized tax treatment based on more particular needs is an approach that they
673 have the legal authority to take in a variety of ways in the Watershed but the policy comment is also
674 referring to some of the complexities already identified. As they drill down and look at the particular
675 needs of each County or look at who benefits from each individual project that they do, it becomes very
676 complex to ask and answer the question of who benefits from these projects and in general it is that kind of
677 question in the late 80's with controversy within this watershed that led Senator Gene Merriam proposing
678 the comprehensive watershed planning law so they do more broad planning and broad based approaches
679 and then levy across the whole watershed for that planning and project.

680
681 District Attorney Smith stated this gets very complex trying to identify benefited areas but they do have a
682 way to do that if they wish. It is a matter of making a good record and going through a process in their
683 plan to build a justification for that. Manager Waller wondered if they could adjust the tax for larger
684 subdivisions, not necessarily specific projects. He wondered if they needed a regional approach to this.

685
686 President Preiner stated since they are appointed by the County is this something they needed to go to the
687 counties to see if they wanted the Board to pursue something like that. She thought they should have
688 some say. Manager Wagamon thought this was the reason why the Watershed District was established,
689 to get around political boundaries which is what was causing all of the fights for the money and he thought
690 Manager Waller was trying to go back to before the Watershed was established and start all over.

691
692 District Engineer Deutschman stated in terms of the Watershed District strengthening its connection to the
693 cities, they have already done that and took great strides in doing that when they last amended their plan
694 and modified the information needs from those cities with regard to approval of their local surface water
695 plans. The District may not have made the connections with the counties but they have connected with
696 the cities. He stated they have done things to strengthen the relationship between other governments in
697 the District and it has been reflected, at least in part, by the District's current plan.

698
699 Manager Waller stated he did not take issue with that and was talking about strengthening that by looking
700 for more specific funding for those particular areas. He was looking how to change the funding point of
701 view of this into a more regional concept to work in with what is going on. Manager Haake noted they

702 have already received the legal answer to this and the Board has the ability to change the policy. Manager
703 Waller stated what he understood is that this would be legally possible and policy possible to do.

704
705 District Engineer Deutschman stated some of the current plans being done now for Watersheds are looking
706 at regional priorities within the context of the overall boundary and is something they can look at when
707 doing the Watershed Management Plan Revision. District Attorney Smith stated their legal authority is to
708 do this on a Watershed basis so they can create sub-watershed tax districts or water management districts,
709 like they have done on a smaller scale and they can apply that on a larger scale but thought it would be
710 problematic to simply follow County boundaries as their basis for that. If they wanted to take a larger
711 approach as long as they have hydrology and the other factors factored in then they have the basis for
712 taking a different approach but it would be very complicated.

713
714 Manager Haake noted on the motion for the minutes that were approved, she abstained.

715
716 **ADJOURNMENT**

717 ***Motion by Manager Haake, seconded by Manager Wagamon, to adjourn the meeting at 10:36 a.m. Motion***
718 ***carried 5-0.***

CONSENT AGENDA

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

Table of Contents

Permit Applications Requiring Board Action

No.	Applicant	Location	Plan Type	Recommendation
17-007	Anoka County and Aspen Garden Holdings, LLC	Blaine	Final Site Drainage	CAPROC 6 items
17-015	Rosedale Commons LP	Roseville	Final Site Drainage	CAPROC 5 items
17-020	KE Properties	Blaine	Final Site Drainage	CAPROC 6 items
17-022	Eagle Ridge Partners, LLC	Shoreview	Final Site Drainage	CAPROC 7 items
17-025	City of Forest Lake	Forest Lake	Street & Utility Plan	CAPROC 5 items
17-028	Lake Animal Hospital	White Bear Township	Final Site Drainage	CAPROC 6 items

It was moved by Manager _____ and seconded by Manager _____, to approve the consent agenda as outlined in the above Table of Contents in accordance with RCWD District Engineer's Findings and Recommendations, dated April 19, 2017.

CAPROC= Conditional Approval Pending Receipt of Changes

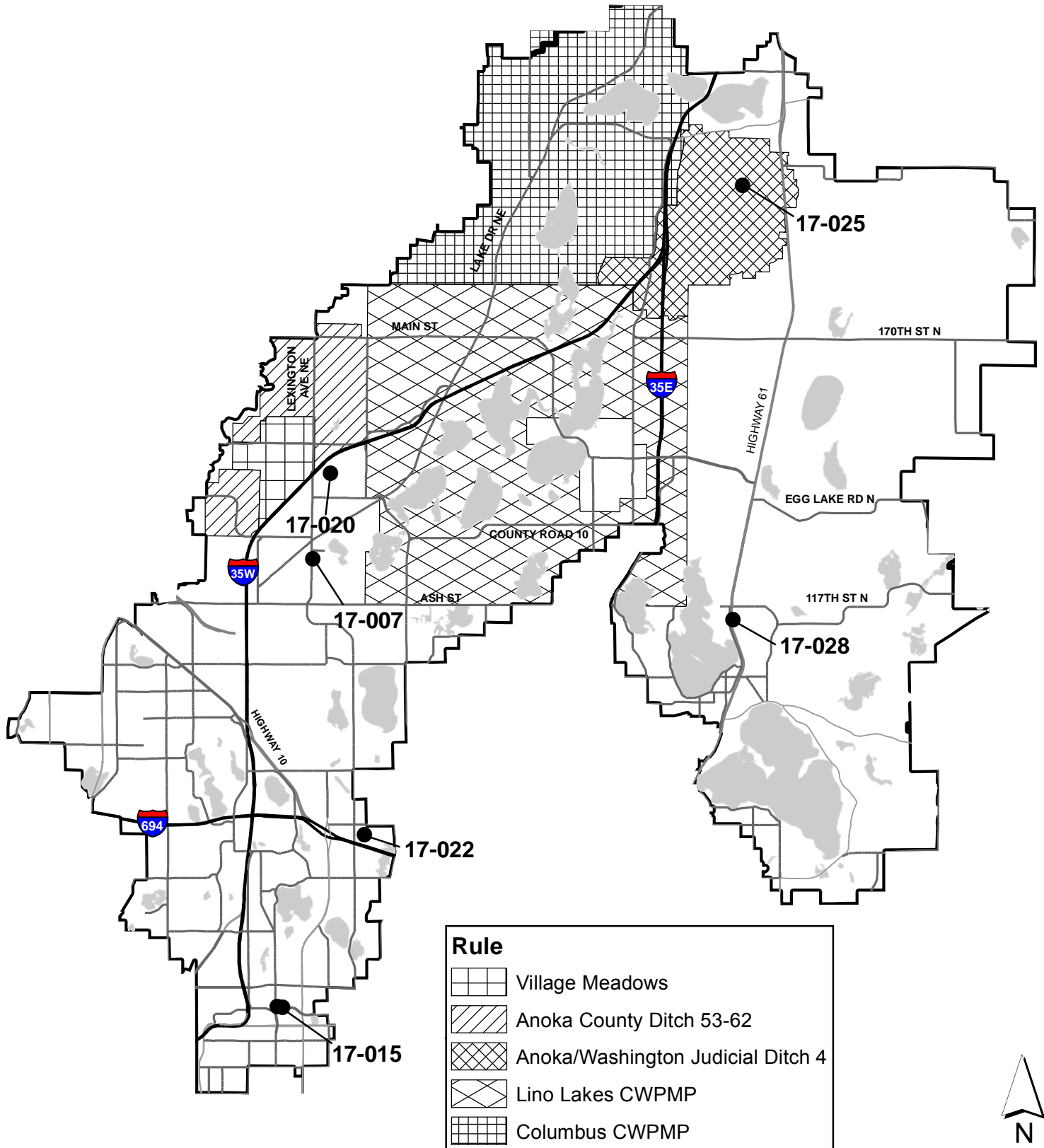
**RICE CREEK WATERSHED DISTRICT
CONSENT AGENDA**

April 26, 2017

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 Report
dated April 19, 2017.

TABLE OF CONTENTS

Permit Application Number	Applicant	Page	Recommendation
	Permit Location Map	27	
17-007	Anoka County and Aspen Gardens Holdings LLC	28	CAPROC
17-015	Rosedale Commons LP	34	CAPROC
17-020	KE Properties	39	CAPROC
17-022	Eagle Ridge Partners, LLC	45	CAPROC
17-025	City of Forest Lake	51	CAPROC
17-028	Lake Animal Hospital	57	CAPROC



Permit Application Number:

17-007

Permit Project Name:

Aspen Village Townhomes

Applicant:

Douglas W. Fischer
Transportation Division Manager
Anoka County

Brent Thompson
Aspen Garden Holdings, LLC
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Chanhassen, MN 55217
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Consultant:

Charles Plowe
Plowe Engineering, Inc
6776 Lake Drive NE Suite 110
Lino Lakes, MN 55014
Ph: 651-361-8210
Fx: 651-361-8701
chuck@plowe.com

Project Name: Aspen Village Townhomes

Purpose: FSD – Final Site Drainage; Construction of new building and parking for proposed for 3 and 4 unit townhomes

Site Size: 6 Parcels totaling 2.93± acres, with 2.8± acres of disturbed area; and existing and proposed impervious surface areas of 0.0± acres and 1.26± acres, respectively.

Location: Lexington Avenue and Restwood Road, Blaine

T-R-S: NW ¼ Section 26, T31N, R23W

District Rule: C, D

Recommendations: 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.

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 a copy of the plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by the City of Blaine).
3. Send one final, signed 11x17 plan set to the District, and e-mail a full-sized pdf copy to both the District and the District Engineer. Include a list of changes that have been made since approval by the RCWD Board. Label Emergency Overflow (EOF) on Basin 1 on final plans.

4. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to District engineer and attorney for proposed onsite stormwater management features.
5. The applicant must provide an attested copy of the signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
6. The applicant must submit a surety amount of \$7,200 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The applicant must provide the first \$5,000 in the form of a check and has the option of providing the remainder of the surety amount in the form of a check or a Performance Bond or Letter of Credit. The surety is based on \$2,000 for 2.8 acres of disturbance and \$5,200 for 10,462 cubic feet of treatment.

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

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

Exhibits:

1. Revised sheet C5.1 replaces existing C5.1 dated and received 4-13-2017
2. Revised Plan sheets containing C1, C2, C3, C4, C5.1, C5.2, C6.1, C6.2 and L1 dated and received 4-3-2017
3. Revised Hydrocad Report dated 2-6-2017 and received 2-9-2017
4. Revised Hydrocad dated 3-19-2017 and received 3-20-2017
5. Revised Hydrocad dated and received 4-3-2017
6. Existing and Proposed Drainage Maps dated 1-25-2017 and received 2-9-2017
7. Application fee dated and received 2-9-2017
8. Preplat for the project dated 1-27-17 and received 2-9-2017
9. RCWD permit checklist undated and received 2-9-2017
10. Soil boring report dated 05-06-2015 and received 2-9-2017
11. Revised soil boring reports reviewed under RCWD Permit #15-085, dated 05-06-2015 and received 09-10-2015
12. Permit Application, dated 2-8-2017 and received 2-9-2017
13. Drainage narrative dated 2-6-2017 and received 2-9-2017
14. Revised permit application with Anoka County signature dated 2-15-2017 and received 2-21-2017
15. Revised project narrative dated 3-17-2017 and received 3-20-2017
16. Revised project narrative dated and received 4-3-2017

Findings:

1. Description – The project proposes to construct five townhome units over six undeveloped parcels in Blaine. The current owner of record of the parcels is Anoka County, which has signed the application authorizing the submittal by Aspen Gardens Holdings LLC. Once the plat has been approved and the City and RCWD conditionally approves of the project, the property sale will take place—this is expected to occur in May. The project will result in 2.80 ± acres of land disturbance, and 1.26 ± acres of new impervious surface area. The site currently has no impervious surface. The project will drain to the 5 on-site BMPs, then east to an existing wetland complex, south to Rice Creek, and ultimately to Long Lake, which is the Resource of Concern.

The applicant submitted a fee of \$2,250, which corresponds to 1 to 2.5 acres of impervious surface and 2.5 to 10 acres of land disturbance.

2. Stormwater –The applicant is proposing four infiltration basins and a stormwater pond as described below:

Proposed BMP Description	Location	Pretreatment	Treatment Required	Treatment Provided
Infiltration Basin #1	Northwestern property line.	Grass filter strip	192± ft ³	886± ft ³
Infiltration Basin #2	Western property line south of Basin 1	Grass Filter Strip	771± ft ³	3,898± ft ³
Infiltration Basin #4	Eastern property line	Riprap	614± ft ³	858± ft ³
Infiltration Basin #5	Southwestern property line	Grass Filter Strip	184± ft ³	755± ft ³
		Total	1,761± ft³	6,397± ft³
Proposed BMP Description	Location	Pretreatment	Required NURP Volume	Volume Provided
NURP Pond (Basin #3)	Southeastern portion of the site.	N/A	8,701± ft ³	13,379± ft ³

The submitted geotechnical report shows the majority of project soil types to be hydrologic soil type A and B (SP-SM). The applicant performed soil borings throughout the project to document the existing groundwater elevation, to verify the hydrologic soil types, and to provide additional detail for specific soil layers. The soil borings indicate that the seasonally high water table elevation is approximately 890 to 892 (NAVD 88). Thus, infiltration is feasible on site. However, due to site constraints and a large elevation change the applicant was unable to feasibly route all runoff to infiltration basins while maintaining the existing site layout and maintaining adequate separation from the groundwater table. Therefore, the applicant is proposing a NURP pond to meet the remaining water quality treatment requirement.

The applicant has met the NURP requirements of 2.5 inches of runoff volume over the contributing area and the design criteria of Rule C.9 (d). Infiltration Areas 1, 2, 4 and 5 are compliant with the design criteria of Rule C.9(a). Pre-treatment for the infiltration basins will be provided by grass filter strips or rip-rap, which is adequate to comply with Rule C.9(a)(1). Per Rule C.9(c)(2), using an infiltration rate of 0.45 in/hr (which corresponds to the rate in Table C5 for B soils) the basins are expected to drawdown within 48-hours. The project is not in a DWSM area. The treatment required for the infiltration basins is based off 1.1-inches over the drainage areas to the basin. The basins are oversized and only treat approximately 35% of the site. Approximately 100% of the total site is treated either by the infiltration basins, or the pond

Discharge point	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
East	0.56	0.60	2.50	1.16	8.12	5.84
Totals	0.56	0.60*	2.50	1.16	8.12	5.84
80% of Existing	0.45		1.98		6.45	

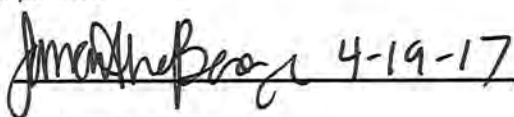
*Within the tolerance of the model

The site is within the District's Flood Management Zone and proposed runoff rates must be reduced to 80% of existing rates. The submitted stormwater management plan indicates compliance with District Rule C.7, apart from the 2-year event, which is increased due to additional green space draining off site. The small increase in rate is within the tolerance of the model.

The highest peak stormwater elevation of the three onsite BMPs is 908.15 (infiltration area #2 – western property line) with a highest EOF elevation of 908.5 and the proposed lowest low floor entry is 912.3; therefore, the site is in compliance with the freeboard requirements of Rule C.9(g).

3. Wetlands – There are no wetlands on site and no wetland impacts are proposed by the project. The site will drain to a wetland east of the site.
4. Floodplain – The regulatory floodplain elevation in this area is 885.87 (NAVD 88). No floodplain impacts are proposed by this project.
5. Erosion Control – The proposed erosion control methods include silt fence downgradient, inlet protection, and a rock construction entrance. The proposed project will disturb an area greater than 1 acre; therefore, an NPDES permit is required for this project. A SWPPP is included on sheets C6.1 and C6.2 of the plan set. The site is within 1 mile of an impaired water body. The information listed under the Erosion and Sedimentation Control Recommendations must be submitted; otherwise, the project complies with RCWD Rule D requirements.
6. Documenting Easements and Maintenance Obligations – Applicant needs to provide drainage and flowage easements (if required), and must provide a draft maintenance declaration for review, and an attested copy of the executed document that was submitted to the county recorder's office once approved.
7. Previous Permit Information – RCWD Permit #15-085, Taff Assisted Living and Memory Care was for a previous design of the 6 parcels by the same applicant. The project received CAPROC on 11-10-2015. The CAPROC expired on 11-10-2016. The applicant changed the scope of the project, therefore a new permit was required.

I hereby certify that this plan, specification or report was prepared by me or under by direct supervision

 4-19-17

Samantha Berger

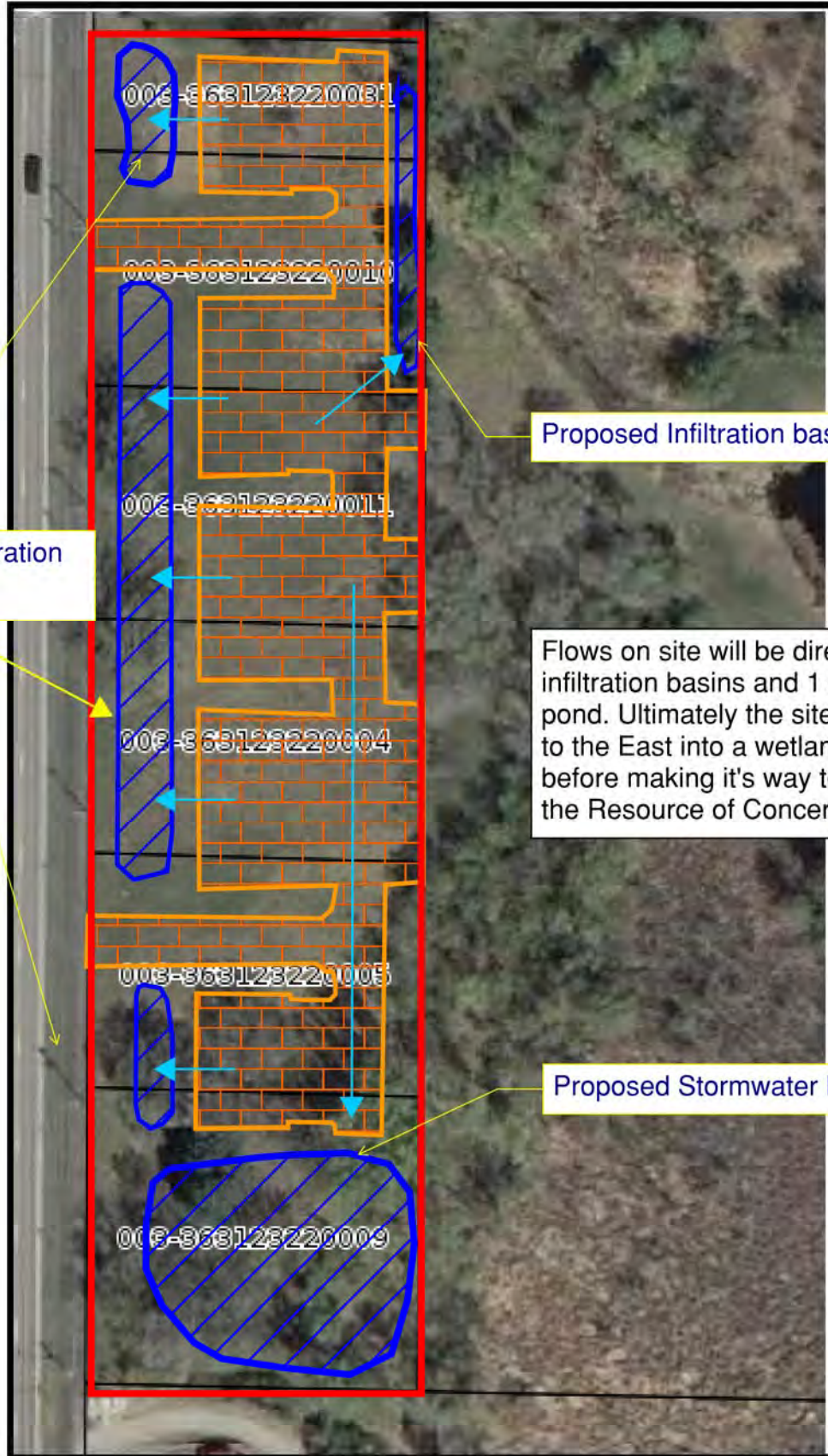
 4-19-17

Katherine MacDonald



Legend

- | | | |
|------------------|-----------------------------|--------------------------|
| Project Location | Public Ditch - Open Channel | Public Ditch - Tile |
| Public Waterway | Public Ditch - Stormsewer | Private Natural Waterway |
| | Public Ditch - Municipal | Private Ditch |



Proposed Infiltration basin

Proposed Infiltration basin

Flows on site will be directed to 4 infiltration basins and 1 stormwater pond. Ultimately the site will discharge to the East into a wetland complex before making it's way to Long Lake, the Resource of Concern

Proposed Stormwater Pond

Legend

- Project Location
- Proposed Stormwater Features
- Proposed Hard Surface (Parking and Building)
- ➔ Water Flow

Permit Application Number:

17-015

Permit Applicant Name:

Rosedale Commons Out lot Building

Applicant:

Tom Ehrlich
Rosedale Commons LP
10 King St. East Suite 800
Toronto, Ontario; M9A 2G1
tom@tanurb.com

Consultant:

Morgan Peat
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Nick Adam
Rehder & Associates, Inc.
3440 Federal Drive, Suite 110
Eagan, MN 55122
651-452-9797
nadam@rehder.com

Project Name: Rosedale Commons Outlot Building

Purpose: FSD—Final Site Drainage; Construction of 2 new buildings and associated site improvements

Site Size: 5.81 and 0.312 ± acre parcels / 0.62 ± acres of total disturbed area; existing and proposed impervious area is 0.547 ± acres and 0.496 ± acres, respectively

Location: 2440-80 Fairview Avenue North, Roseville

T-R-S: NE ¼, Section 9, T29N, R23W

District Rule: C, D

Recommendations: 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.

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.

Administrative

2. Send one final, signed 11x17 sized plan set to the District, and e-mail a full sized pdf copy to both the District and the District Engineer. Applicant to label EOF on final plans. Include a list of changes that have been made since approval by the RCWD Board.
3. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.

4. The applicant must provide an attested copy of the signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
5. The applicant must submit a cash surety of \$3,000 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The surety is based on \$1,000 for less than 1 acre of disturbance and \$2,000 for 3,969 cubic feet of filtration.

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

Exhibits:

1. Revised Plan set containing sheets C1 and C2 dated 4-6-2017 and received 4-14-2017.
2. Permit application, dated 03-03-2017 and received 3-06-2017
3. Stormwater Calculations, dated and received 3-03-2017, containing narrative, BMP sizing worksheet, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
4. Stormwater Calculations, dated and received 4-14-2017, containing narrative, BMP sizing worksheet, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
5. Stormwater Calculations, dated and received 3-03-2017, containing narrative, BMP sizing worksheet, drainage maps, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
6. Permit application feet dated 3-02-2017 and received 03-06-2017
7. Operations and Maintenance Plan dated and received 4-7-2017

Findings:

1. Description – This project proposes the construction of a Punch Pizza at Rosedale Commons Shopping Center in Roseville. The plans also include the future construction of a commercial building on an adjacent parcel. The stormwater feature is sized for the future commercial building, if not built within the permit term, will require future permitting under rule at that time; rule presently allows for in lieu treatment of existing hard surface for parcels under common ownership. The site will disturb approximately 0.62± acres and will reconstruct at total of 0.496 ± acres, decreasing the amount of impervious surface by 0.047± acres. The site will maintain similar drainage patterns to the on-site storm sewer, which drains to RCD 4 and ultimately to Little Johanna, the Resource of Concern. The applicant has submitted a \$1,100 application fee, which corresponds to less than 1 acre of new/redeveloped impervious surface and less than 1 acre of land disturbance.

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

Proposed BMP Description	Location	Pretreatment:	Volume required*	Volume provided*	EOF
Subsurface filtration basin	East of proposed Punch Pizza building	Sump in Manhole #2	3,969 ± cubic feet	3,971 ± cubic feet below the weir	935.5 (CB #1)

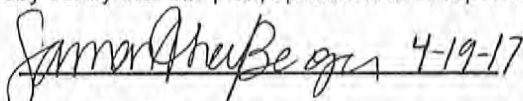
Soils on site are primarily clayey sands (SC) and sandy lean clays (CL) (HSG C and D) soils. Thus, infiltration is not considered feasible and filtration is acceptable to meet the water quality treatment requirement. Per Rule C.6(c)(1), the Water Quality requirement is 2.2-inches over the new/reconstructed area (0.496 ± acres) for a total requirement of 3,969± cubic feet. Per Rule C.6 (e), in lieu of providing treatment at the future commercial building (6,875 square feet required) the applicant is proposing to treat 7,500 square feet of untreated parking lot adjacent to the proposed Punch Pizza location, thus treating 100% of the required impervious area. The applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(c).

Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
Discharge to North	1.75	0.45	2.64	0.54	4.66	1.40
Totals	1.75	0.45	2.64	0.54	4.66	1.40
80% of existing	1.40		2.11		3.73	

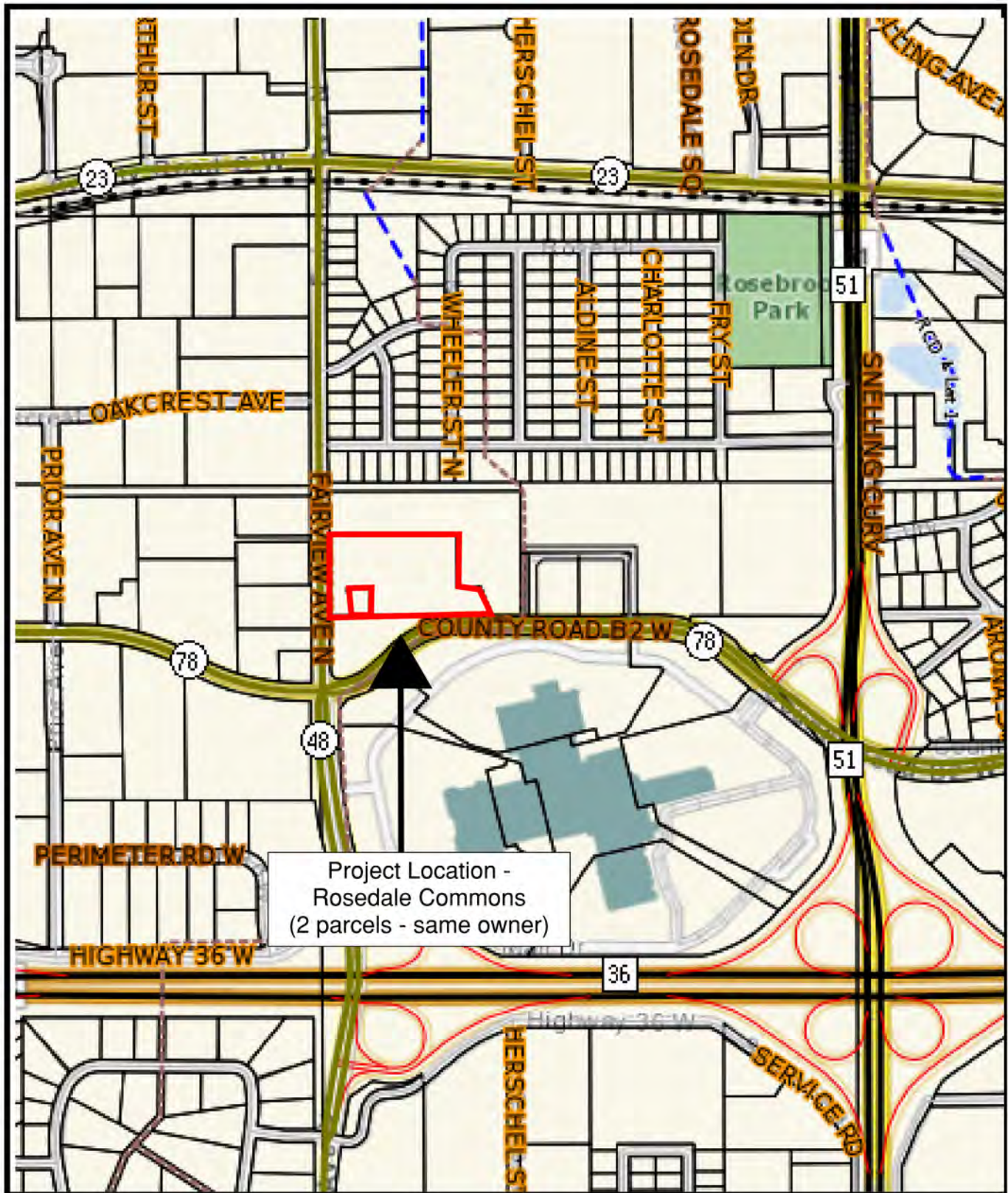
The project is located within the Flood Management Zone. The applicant has complied with the rate control requirements of Rule C.7. The Rule C.9 (g) requirements do not apply to underground systems. The submitted information indicates that the project does not increase peak runoff rates in compliance with District Rule C.7.

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 entrances, and inlet protection. An NPDES permit is required for the project. The information listed under the Erosion and Sedimentation Control Recommendations needs to be submitted. Otherwise, the project complies with RCWD Rule D requirements.
6. Drainage System –RCD 4 is located on an adjacent parcel, but not within a required easement distance.
7. Documenting Easements and Maintenance Obligations – Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration. Applicant must execute an agreement with the RCWD for the maintenance of the stormwater facilities to ensure proper functioning.
8. Previous Permit Information – No previous permit information was found for this site.

I hereby certify that this plan, specification or report was prepared by me or under by direct supervision


Samantha Berger


Greg Bowles



Project Location -
Rosedale Commons
(2 parcels - same owner)

Legend

- Project Location
- ~ Public Waterway
- Public Ditch - Open Channel
- Public Ditch - Stormsewer
- Public Ditch - Municipal
- Public Ditch - Tile
- Private Natural Waterway
- Private Ditch



Legend

- Project Location
- Proposed Underground Filtration
- Water Flow
- Proposed Buildings





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:

17-020

Permit Applicant Name:

Tolerance Masters

Applicant:

Dave Erickson
KE Properties
3023 104 Ln NE
Blaine, MN 55449
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Fx:
derickson@aerofabinc.net

Consultant:

Charles Plowe
Plowe Engineering, Inc.
6776 Lake Dr NE Suite 110
Lino Lakes, MN 55014
Ph: 651-361-8210
Fx: 651-361-8707
chuck@plowe.com

Project Name: Tolerance Masters

Purpose: FSD – Final Site Drainage

Site Size: 8± acre parcel / 2.51 ± acres of disturbed area; existing and proposed impervious area is 1.53 ± acres and 2.97 ± acres, respectively

Location: 4444 Ball Road, Blaine

T-R-S: SW ¼, Section 24, T31N, R23W

District Rule: C, D

Recommendations: 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.

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.
 - (e) Clear identification of all temporary erosion and sediment control measures which will remain in place until permanent vegetation is established. Examples of temporary measures include, but are not limited to: seeding with perennial vegetation, mulching, sodding, silt fence, erosion control blanketing, and stormwater inlet protection devices.
 - (f) Clear identification of all permanent erosion control measures such as outfall spillways and riprap shoreline protection, and their locations. This must include a stabilized outlet of the proposed BMP.
 - (h) Provide documentation that an NPDES Permit has been applied for and submitted to the Minnesota Pollution Control Agency (MPCA).

Administrative

2. Send one final, signed 11x17 sized plan set to the District, and e-mail a full-sized pdf copy to both the District and the District Engineer. Include a list of changes that have been made since approval by the RCWD Board.
3. Submit a copy of the plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by the City of Blaine).
4. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.
5. The applicant must provide an attested copy of the signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
6. The applicant must submit a surety of \$5,800 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The surety is based on \$2,000 for 2.51 acres of disturbance and \$3,800 for 7,575 CF of infiltration volume.

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

Exhibits:

1. Plan set containing 6 sheets dated and received 4-3-2017.
2. Permit application, dated 2-28-2017 and received 3-8-2017.
3. Permit application checklist, no date, received 3-8-2017.
4. Project narrative, dated 3-7-2017 and received 3-8-2017.
5. Existing drainage map, dated 3-7-2017 and received 3-8-2017.
6. Proposed drainage map, dated 3-7-2017 and received 3-8-2017.
7. HydroCAD report, dated 3-7-2017 and received 3-8-2017.
8. Geotechnical report, dated 2-17-2017 and received 3-8-2017.
9. Revised project narrative, dated and received 3-28-2017.
10. Revised HydroCAD report, dated and received 3-28-2017.
11. Revised drainage maps, dated and received 3-28-2017.
12. Email response to incomplete, dated and received 3-28-2017.

13. Water table letter, dated 3-24-2017 and received 3-31-2017
14. Revised project narrative, dated and received 4-3-2017.
15. Revised HydroCAD report, dated and received 4-3-2017.
16. Revised drainage maps, dated and received 4-3-2017.
17. Email response to 2nd incomplete, dated and received 4-3-2017.

Findings:

1. Description – The project proposes a 30,400 SF building expansion and associated parking lot expansion. A second drive will also be constructed to the North and connect to Ball Road. The applicant is also designing the current stormwater features to support another future expansion of the building of approximately 30,000 SF and strip of parking stalls. The project (including proposed future expansion) will create 82,635± SF of impervious surface a disturb 2.51± acres. Stormwater from the site drains NW to ACD 53-62 Branch 1 Lateral 1 which drains to Golden Lake, the Resource of Concern. The applicant has submitted a \$2,250 application fee, which corresponds to 1-2.5 acres of new/redeveloped impervious surface and 2.5-10 acres of land disturbance.

This permit review is only for the currently proposed expansion that is detailed in the plans. Although the stormwater features are being designed to support the future expansion, any future expansion is required to go through the permitting process and will be subject to any future rule requirements in place at the time of permitting.

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

Proposed BMP Description	Location	Pretreatment:	Volume provided	EOF
Surface infiltration basin	Eastern property line	Grass strip and pretreatment basin at S end of basin	18,226± cubic feet below the outlet	904.0

Soils on site are primarily silty sands (HSG B) soils. Therefore, infiltration is feasible. Soil investigations revealed groundwater at an elevation of 896.5. The applicants geotechnical engineer has stated the seasonal high water elevation to be at 897.5. This is 4.5-feet below the proposed BMPs bottom elevation of 902. The required separation is provided and therefore, the applicant is compliant with Rule C.9(a)(3). Per Rule C.6(c)(1), the Water Quality requirement is 1.1-inches over the new/reconstructed area (82,635± square feet) for a total requirement of 7,575± cubic feet. The proposed BMP has sufficient volume to support the current and future expansion. Thirteen percent of the new/reconstructed impervious is left untreated due to site limitations for directing runoff to the proposed BMP. TSS is removed to the maximum extent practicable and pretreatment has been provided for the proposed infiltration basin.

Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
West	4.97	5.58	7.97	8.63	13.54	14.06
North	1.66	0.19	3.97	0.47	9.1	7.34
Totals	6.02	5.58	10.9	8.63	20.89	14.06

The project is not located within the Flood Management Zone. The submitted information indicates that the project (including future expansion) does not increase peak runoff rates in

aggregate in compliance with District Rule C.7. However, peak rate to the west will be increased due to a portion of the expanded parking lot not being able to drain to the proposed BMP. These increased flows travel across the parking lot and either through existing storm sewer or overland across Ball Rd. There are sufficient grades, and lack of susceptible structures, to convey the small increase in rate without causing an adverse impact. Therefore, the proposed project is compliant with C.7. The proposed BMP has a 100-year high water elevation of 904.49 and the proposed finished floor elevation is 909.23. Therefore, freeboard requirements are met per Rule C.6(g).

3. Wetlands –The applicant’s plan set represents wetlands on the property. The District finds this to be a reasonable representation of the wetlands and the wetlands are of sufficient distance to not be impacted by the proposed work. However, the District has not received or processed a wetland boundary and type application for these areas. If the applicant is seeking approval of the wetland boundaries, then the report must be submitted to the District for approval.
4. Floodplain – The site is located in the FEMA DFIRM floodplain but not within the RCWD regulatory floodplain.
5. Erosion Control – Proposed erosion control methods include silt fence and inlet protection. An NPDES permit is required for the project. A SWPPP was provided in the plan set. The information listed under the Erosion and Sedimentation Control Recommendations needs to be submitted.
6. Drainage Systems – There are no drainage systems on the property. Anoka County Ditch 53-62 Branch 1 Lateral 1 is within 200 feet of the project parcel. The existing pond is immediately adjacent to the public drainage system. Currently, no work is proposed that would impact the public drainage system.
7. Documenting Easements and Maintenance Obligations – Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).
8. Previous Permit Information – Previous permit 86-105 was for the original development of this site.

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

 4-19-17

Garrett Monson
MN Reg. No 54326

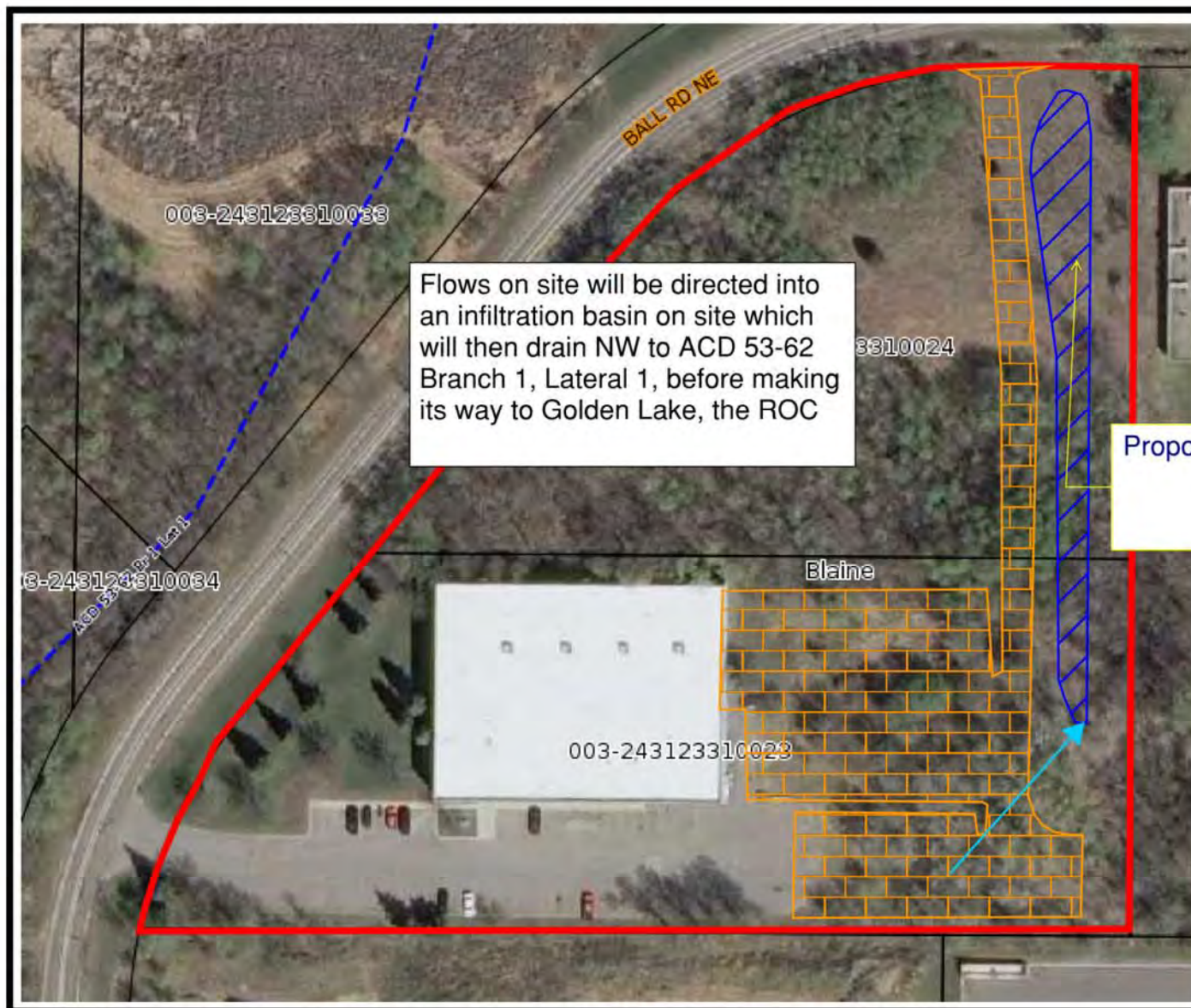
 4-19-17

Greg Bowles
MN Reg. No 41929



Legend

- | | | |
|------------------|-----------------------------|--------------------------|
| Project Location | Public Ditch - Open Channel | Public Ditch - Tile |
| Public Waterway | Public Ditch - Stormsewer | Private Natural Waterway |
| | Public Ditch - Municipal | Private Ditch |



Legend

- Project Location
- Proposed Infiltration Basin
- Water Flow
- Proposed Building/Lot





Permit Application Number:
Permit Applicant Name:

17-022
Shoreview Apartments

Applicant:

Kristin Myhre
Eagle Ridge Partners, LLC
3601 Minnesota Drive Suite 510
Bloomington, MN 55435
Ph: 952-767-5555
Fx:
kristinm@erpartners.com

Consultant:

Steve Pellinen
Emmons & Olivier Resources, Inc.
651 Hale Ave N
Oakdale, MN 55128
Ph: 651-770-8448
Fx: 651-770-2552
spellinen@eorinc.com

Project Name: Shoreview Apartments

Purpose: FSD – Final Site Drainage; Redevelopment of office site to multifamily residential

Site Size: 8.6± acre parcel / 8.5± acres of disturbed area; existing and proposed impervious area is 7.2± acres and 4.7± acres, respectively.

Location: 1005 Gramsie Road, Shoreview

T-R-S: NW ¼, Section 26, T30N, R23W

District Rule: C, D

Recommendations: 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.

Rule C – Erosion and Sediment Control

1. Applicant provide a design showing an additional 0.44 acre feet of storage capacity in the southwest s to meet NURP standards.

Rule D – Erosion and Sediment Control

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

Administrative

3. Send one final, signed 11x17 sized plan set to the District, and e-mail a full sized pdf copy to both the District and the District Engineer. Include a list of changes that have been made since approval by the RCWD Board.

4. Submit a copy of the plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by the City of Shoreview).
5. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.
6. The applicant must provide an attested copy of the signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
7. The applicant must submit a surety of \$14,600 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The applicant must provide the first \$5000 in the form of a check and has the option of providing the remainder of the surety amount in the form of a check or a Performance Bond or Letter of Credit. The surety is based on \$5,000 for 8.5 acres of disturbance and 19,166 cubic feet (0.44 acre-feet of stormwater).

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. An as-built survey of the southwest stormwater pond is to be submitted to the District for verification of compliance with the approved plans before return of the surety.

Exhibits:

1. Updated Grading and Erosion Control plan sheet dated 3-8-2017 and received 4-7-2017.
2. Plan Set containing Proposed Drainage Map Sheet dated 3-8-2017 and received 3-16-2017. Incomplete Comments Memo dated 4-7-2017 and received 4-7-2017.
3. Permit Application, dated 3-9-2017 and received 3-10-2017.
4. BMP Sizing Worksheet, no date, received 3-10-2017.
5. Existing Drainage Map, no date, received 4-7-2017.
6. Updated Stormwater Calculations, dated 4-3-2017 and received 4-7-2017 containing HydroCAD Report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
7. Stormwater Calculations, dated 3-17-2017 and received 3-17-2017 containing HydroCAD Report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
8. Stormwater Narrative, dated 3-8-2017 and received 3-15-2017.
9. Soil Boring Log dated, 11-15-2016 and received 3-10-2017.
10. Soil Boring Report, dated 11-17-2015 and received 3-10-2017.
11. Pond as-builts, revised 4-7-2017 and received 4-18-2016.
12. Photo of south pond skimmer, no date, received 4-18-2017.
13. Response narrative, no date, received 4-18-2017.
14. NURP pond storage calculations, dated and received 4-19-2017.

Findings:

1. Description –The proposed project, located within the City of Shoreview, consists of removing the existing building and the vast majority of the pavement to construct two four-story residential apartment buildings and some surface parking and underground parking. The project will decrease the impervious area by 2.5± acres, from 7.2± acres to 4.7± acres and will disturb an additional 0.0± acres of existing impervious surface. The project drains to Valentine Lake which is the resources of concern. The applicant has submitted a \$3,750 application fee, which corresponds to 2.5-5 acres of new/redeveloped impervious surface and 2.5-10 acres of land disturbance.
2. Stormwater – The applicant is proposing to use the capacity of two existing BMPs as described below for the project:

Existing BMP Description	Location	2.5-inch NURP (acre-feet)	Surveyed volume* (acre-feet)	EOF
West Stormwater Pond	West of Site	0.46	0.66	948.0
Southwest Stormwater Pond	Southwest of Site	1.94	1.50	944.3

*Surveyed on 4-7-2017

Soils on site are primarily clay (HSG D) soils. Thus, infiltration is not considered feasible and the existing stormwater 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 (4.7± acres) for a total requirement of 37,534± cubic feet, which is less than the 2.5-inch design criteria. The project treats 88.5% of the reconstructed impervious surfaces between the two existing stormwater ponds thus in compliance with Rule C.6(e). The majority of the remaining untreated impervious surface runoff flows offsite through existing storm sewer catch basins without opportunity for treatment. Additional TSS removal is not practical. The ponds are located on an adjacent parcel, also owned by the applicant. The applicant has provided as-builts, but must meet District maintenance requirements for both ponds. The applicant must clean the southwest stormwater pond to provide adequate volume. Otherwise, the applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(d).

Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
Lexington Ave Stormsewer	2.4	1.9	3.7	3.2	6.5	6.4
Existing Wet Pond – West	5.8	2.6	8.9	4.4	16.1	8.7
Existing Wet Pond – Southwest	12.5	10.0	19.5	16.1	35.2	32.7
Chatsworth/Gramsie Stormsewer	2.6	1.1	4.1	2.2	7.6	4.7
Totals	23.3	15.6	36.2	25.9	65.4	52.5*
80% of existing	18.64		28.96		52.32	

*Difference is within the error of the model.

The project is located within the Flood Management Zone. Peak runoff rates for the site were assessed at the site boundary, which includes both properties owned by the applicant. The

submitted information indicates that the project complies with District Rule C.7. The applicant has complied with the 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, sediment control log, rock construction entrances, inlet protection and rip rap. An NPDES permit is required for the project. The information listed under the Erosion and Sedimentation Control Recommendations needs to be submitted. Otherwise, the project complies with RCWD Rule D requirements.
6. Drainage Systems – There are no drainage systems on the property.
7. Documenting Easements and Maintenance Obligations –Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).

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

 4-19-17

Greg Bowles
MN Reg. No 41929

 4-19-17

Katherine MacDonald
MN Reg. No 44590



- Legend**
- | | | |
|---|---|--|
|  Project Location |  Public Ditch - Open Channel |  Public Ditch - Tile |
|  District Boundary |  Public Ditch - Stormsewer |  Private Natural Waterway |
|  Public Waterway |  Public Ditch - Municipal |  Private Ditch |

RCWD Permit #17-022



Legend

- Project Location
- Existing NURP Ponds
- Water Flow





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: 17-025
Permit Applicant Name: Headwaters Parkway & Fenway Avenue Intersection Improvements Project

Applicant:

Aaron Parrish
City of Forest Lake
1408 Lake Street South
Forest Lake, MN 55025
Ph: 651-209-9750
Fx: 651-464-4968
aaron.parrish@ci.forest-lake.us

Consultant:

Tim Olson
Bolton & Menk, Inc.
2035 County Rd D East Suite B
Maplewood, MN 55109
Ph: 651-704-9970
Fx:
timol@bolton-menk.com

Project Name: Headwaters Parkway & Fenway Avenue Intersection Improvements Project

Purpose: S&UC – Street & Utility Plan; Proposed project involves the construction of a roundabout at the intersection of Headwaters Parkway and Fenway Avenue, in addition to road improvements, storm sewer installation, and construction of a 10' wide trail.

Site Size: N.A.± acre parcel / 8.9± acres of disturbed area; existing and proposed impervious area is 2.23± acres and 5.01± acres, respectively

Location: The intersection of Headwaters Parkway and Fenway Avenue, Forest Lake

T-R-S: NW ¼, Section 29, T32N, R21W

District Rule: C, D, F

Recommendations: 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.

Rule D – Erosion and Sediment Control

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

Administrative

3. Submit the permit application with the signature of the successful bidder to the District.
4. Send one final, signed 11x17 sized plan set to the District, and e-mail a full sized pdf copy to both the District and the District Engineer. Include a list of changes that have been made since approval by the RCWD Board.
5. The applicant must memorialize the responsibility for maintenance of stormwater facilities in a document executed by the property owner in a form acceptable to the District and recorded on the deed. Alternatively, a public permittee may meet the perpetual 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. An as-built survey of all stormwater BMPs (ponds, rain gardens, trenches, swales, etc.) is to be submitted to the District for verification of compliance with the approved plans.

Exhibits:

1. Updated plan sheet C3.01 dated 3-28-2017 and received 4-4-2017.
2. Plan set containing 69 sheets dated and received 3-17-2017.
3. Record drawings dated 5-30-2006 and received 4-4-2017.
4. Response memo dated 4-4-2017 and received 4-4-2017.
5. Permit application, dated and received 3-17-2017.
6. Updated Stormwater Calculations for the 2-year, 10-year, 100-year, and 100-year back to back rainfall events for the proposed conditions including screenshots of input data not dated, received 4-4-2017.
7. Stormwater Calculations, dated and received 3-17-2017, containing narrative, drainage maps, Autodesk Storm and Sanitary Analysis report for the 2-year, 10-year, and 100-year rainfall events for proposed and existing conditions.
8. Geotechnical report, dated 7-11-2005 and received 3-17-2017.

Findings:

1. Description – The proposed project is located west of US Hwy 61, south of MN Hwy 97, and east of I35 in the City of Forest Lake. The project involves intersection improvements at the Headwaters Parkway and Fenway Avenue intersection, including the construction of a roundabout, in addition to road construction, storm sewer and watermain extensions. The proposed project will disturb 8.9± acres. Existing and proposed impervious areas are 2.23± acres and 5.01± acres, respectively with an increase in impervious surface of 2.78± acres. The proposed project will discharge to existing and proposed ponds which outlet into the city storm sewer. Storm sewer outlets to JD-4 and ultimately into Peltier Lake, which is the resource of concern. The applicant is the City of Forest Lake and is therefore exempt from a permit fee.

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

BMP Description	Location	NURP Requirement	Volume provided	EOF
Proposed Surface Stormwater Pond (SB-PROPPOND)	Northwest of Headwaters Pkwy and Fenway Ave N intersection	48,300± cubic feet	60,405± cubic feet below the outlet	NA
Existing Surface Stormwater Pond (SP-EXISTINGPOND)	Northeast of Headwaters Pkwy and Fenway Ave N intersection	N.A. (Rate Control Only)		913.0
Existing Surface Stormwater Pond (P-12, P-13, P-14)	East Side of Project	N.A. (Rate Control Only)		

Soils on site primarily consist of a 1 to 3-foot of silty sands (HSG B) above a layer of sandy lean clay (HSG D). Thus, infiltration is not considered feasible and the proposed storm water pond is acceptable to meet the water quality requirement. Additionally, groundwater was observed at elevations between 890.8 and 909.4, at a depth ranging between approximately 2 and 10 feet below ground surface elevation. The proposed pond (SB) is hydraulically linked to the existing pond (SP) by a culvert underneath Fenway Ave N. The existing pond P-12 will receive runoff from the additional impervious surfaces created via the east bound lane of Headwaters Parkway. The ponds have an outlet control structure with a skimmer capable of skimming storm events up to the 1-year event. The ponds were evaluated as if they are a landlocked basin in the event that the outlet structure were to become clogged. The back to back 100-year storm event produced a water level of 911.13. Record drawings indicate a run out elevation of approximately 913.00. Per Rule C.6(c)(2), the Water Quality requirement is 0.75-in over new constructed impervious area (2.75± acres) for a total requirement of 7,569± cubic feet. The proposed pond receives runoff from a tributary area of 11.85± acres, a 2.5-inch event yields a runoff volume of 48,300± cubic feet. The applicant has treated impervious surfaces to the maximum extent feasible and has reduced TSS to the extent practical. The applicant has met all the Water Quality requirements of Rule C.6 and the design criteria of Rule C.9(d).

Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
To West (STMH-50A)	10.17	7.61	21.80	17.21	42.40	28.85

The project is not located within the Flood Management Zone. The submitted information indicates that the project does not increase peak runoff rates in compliance with District Rule C.7. The runoff was modeled with weighted CN numbers. AutoCAD SSA was used to model the runoff and is unable to split the CN numbers. The district engineer finds the runoff calculated with the weighted CN to be acceptable in this case because the runoff is detained in large ponds that greatly reduce peak runoff rates. The project complies with the freeboard requirements of Rule C.9(g) for landlocked basins. Future development should consider that the back-to-back 100-year may change when setting low flow entry elevations.

3. Wetlands – There are two wetland mitigation areas (TM-4 and TM-5) located within the median of Headwaters Parkway and two small wetlands (II and FF) located south of the proposed work. The proposed project will not impact existing or mitigation wetland areas.

5. Erosion Control – Proposed erosion control methods include silt fence, inlet protection, ditch checks, blanket, construction entrance, and rip rap. An NPDES permit is required for the project. The information listed under the Erosion and Sedimentation Control Recommendations needs to be submitted. Otherwise, the project complies with RCWD Rule D requirements.
6. Drainage Systems – The proposed project crosses a segment of JD 4 Main Trunk that is managed by the City of Forest Lake, which is the drainage authority of this segment. The proposed project will not impact the drainage system.
7. Documenting Easements and Maintenance Obligations – Applicant must execute an agreement with the RCWD for the maintenance of the stormwater facilities to ensure proper functioning.
8. Previous Permit Information – District file 13-146R contains information about the wetland application and the pre-application correspondence. Permit 13-092 is for the adjacent school project. Permits 05-079, 04-118, 03-082, 02-021, 02-019, 01-87, 01-53, 00-113 and 00-83 have information related to the Headwaters mixed-use development.

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

Ben Jore 4-19-17 for

Ben Jore, 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.

Greg Bowles 4-19-17

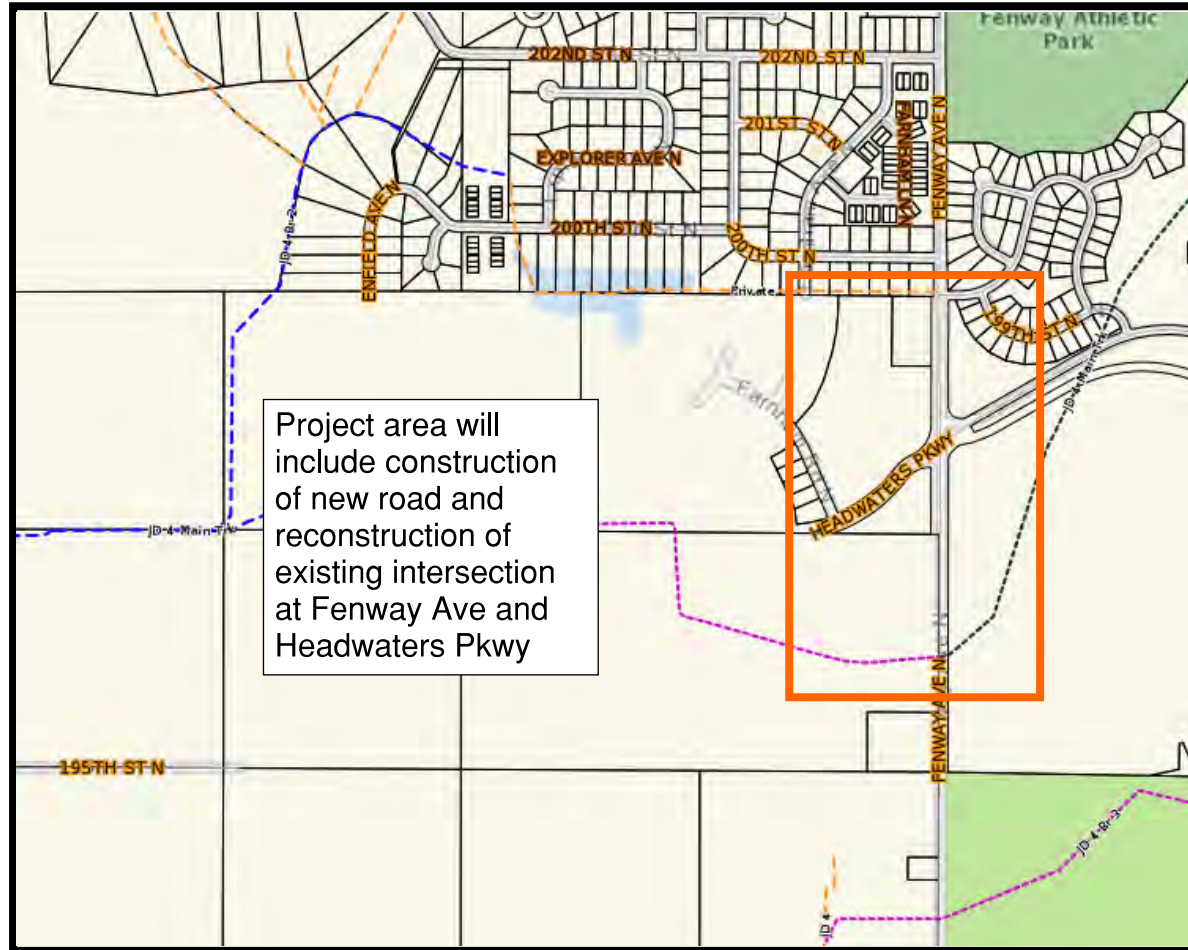
Greg Bowles
MN Reg. No 41929











Legend

-  Project Location
 -  Proposed stormwater features
 -  Existing stormwater features
 -  Proposed Hard Surface
-  Water Flow





- Legend**
-  Project Location
 -  Public Ditch - Open Channel
 -  Public Ditch - Municipal
 -  Private Ditch
 -  Public Waterway
 -  Public Ditch - Stormsewer
 -  Public Ditch - Tile
 -  Private Natural Waterway





Permit Application Number:
Permit Applicant Name:

17-028
Lake Animal Hospital

Applicant:

Caitlin Andersen
Lake Animal Hospital
5900 Highway 61 North
White Bear Lake, MN 55110
Ph: 651-426-1381
Fx: 651-426-8882
lakeanimalhospital@yahoo.com

Amy Kruchowski Phillips
Lake Animal Hospital
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Fx: 651-426-8882
lakeanimalhospital@yahoo.com

Consultant:

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TWC
1550 Willmar Ave SE
Willmar, MN 56201
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Fx: 320-235-3137
knelson@twcinc.com

William Wenchell
TWC
3 Oakwood Park Plaza
Castle Rock, CO 80104
Ph: 720-470-2681
Fx: 320-235-3137
wwenchell@twcinc.com

Project Name: Lake Animal Hospital

Purpose: Construction of Veterinary Clinic

Site Size: 2.49 ± acre parcel / 2.1 ± acres of disturbed area; existing and proposed impervious area is 0.24 ± acres and 0.71 ± acres, respectively

Location: 5900 Highway 61 North, White Bear Township

T-R-S: NW ¼, Section 1, T30N, R22W

District Rule: C, D

Recommendations: 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.

Rule D – Erosion and Sediment Control

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

Administrative

2. Send one final, signed 11x17 sized plan set to the District, and e-mail a full-sized pdf copy to both the District and the District Engineer. Include a list of changes that have been made since approval by the RCWD Board.
3. Submit a copy of the plat or easements establishing drainage or flowage over stormwater management facilities, stormwater conveyances, ponds, wetlands, on-site floodplain up to the 100-year flood elevation, or any other hydrologic feature (if easements are required by White Bear Township).
4. The applicant must submit a Draft Declaration for Maintenance of Stormwater Management Facilities acceptable to the District for proposed onsite stormwater management and pretreatment features.
5. The applicant must provide an attested copy of the signed and notarized legal document(s) from the County Recorder. Applicant may wish to contact the County Recorder to determine recordation requirements prior to recordation.
6. The applicant must submit a cash surety of \$2,900 along with an original executed escrow agreement acceptable to the District. If the applicant desires an original copy for their records, then two original signed escrow agreements should be submitted. The surety fee is based on \$1,500 for 2.1 acres of disturbance and \$1,400 for 2,837 CF of Stormwater treatment.

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

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

Exhibits:

1. Revised Plan set containing 5 sheets, dated and received 4-06-2017.
2. Geotechnical Report, dated 1-13-2017 and received 3-17-2017.
3. Certificate of Survey, dated 1-17-2017 and received 3-17-2017.
4. Permit application, dated 2-21-2017 and received 3-17-2017.
5. Stormwater Calculations, dated 3-17-2017 and received 3-17-2017, containing narrative, drainage maps and HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for existing and proposed conditions.
6. Storm Water Pollution Prevention Plan, received 4-06-2017.
7. Revised Stormwater Calculations, dated and received 4-06-2017, containing narrative, HydroCAD report for the 2-year, 10-year, and 100-year rainfall events for existing and proposed conditions.

Findings:

1. Description – The project is located in White Bear Township, east of US HWY 61 and south of 120th Street. The project proposes to construct a new animal hospital, parking lot, two infiltration basins, and related utilities. The parcel contains an existing animal hospital building to the north of the proposed project. The project discharges to an adjacent parcel, the White Bear Mini storage facility (Permit 16-097) that is currently under RCWD permit review for a proposed redevelopment project. The project parcel is comprised of 2.49 acres of which 2.1 acres will be disturbed. The project existing and proposed impervious areas are 0.24 ± acres and 0.71 ± acres, respectively. The west side of the site drains to the US HWY 61 ditch, which flows south to a wetland south of the project. During large storm events (greater than the 10-yr. 24-hr event), the east side of the site drains to the adjacent White Bear Mini Storage parcel that overflows east into a defined drainage way that flows east into an existing wetland. Both wetlands ultimately discharge into Bald Eagle Lake, which is the Resource of Concern (ROC). The applicant has submitted a \$1,100 application fee, which corresponds to 0.7 acres of new/redeveloped impervious surface and 2.1 acres of land disturbance.
2. Stormwater – The applicant is proposing the BMPs as described below for the project:

Proposed BMP Description	Location	Pretreatment:	Volume provided	TP Removal Factor	Water Quality Volume	EOF Elevation
Infiltration Basin 1	West side of site	Rain Guardian	5,659 ± cubic feet below the EOF	1	5,659 ± cubic feet	939.6
Infiltration Basin 2	East side of site	Rain Guardian	6,070 ± cubic feet below the EOF	1	6,070 ± cubic feet	939.6

The soils on site are primarily silty sands (HSG B) soils. Soil borings indicate water up to 930.5 ± which ensures adequate groundwater separation for infiltration. The bottom elevation of both infiltration basins is 938.0. The infiltration basins are expected to draw down within 48 hours. Per Rule C.6(c)(1), the Water Quality requirement is 1.1-inches over the new/reconstructed area (0.7± acres) for a total requirement of 2,837 ± cubic feet. A total of 11,729 ± cubic feet of water quality volume is being provided with the proposed BMPs. Pretreatment to the infiltration basins is being provided with three Rain Guardian sediment traps. Approximately 85% of the site is designed to be treated under proposed conditions. The remaining 15% impervious area from subcatchment B that is not being treated drains directly into the US HWY 61 ditch. This area sheet flows off the drive into a pervious area before running into the ditch. As such, the applicant has treated TSS to the maximum extent possible.

Drainage Area	2-year (cfs)		10-year (cfs)		100-year (cfs)	
	Existing	Proposed	Existing	Proposed	Existing	Proposed
Reach 1R (East)	0.32	0.25	1.09	0.68	3.70	3.39
Reach 2R (West)	0.63	0.46	1.50	1.12	4.26	4.01
Reach 3R (South)	0.03	0.03	0.15	0.15	0.55	0.55
Totals	0.98	0.74	2.74	1.95	8.51	7.95

The project is not located within the Flood Management Zone. The submitted information indicates that the project does not increase peak runoff rates in compliance with District Rule C.7. The lowest entry of the proposed building is at an elevation of 942. The project complies with the 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 entrances, temporary seed and rip rap. An NPDES permit is required for the project. The information listed under the Erosion and Sedimentation Control Recommendations needs to be submitted. Otherwise, the project complies with RCWD Rule D requirements.
6. Drainage Systems – There are no drainage systems on the property.
7. Documenting Easements and Maintenance Obligations – Applicant must provide a draft maintenance declaration for approval, and a receipt showing recordation of the approved maintenance declaration and the drainage and flowage easements (if required).
8. Previous Permit Information – No previous permit information was found for this site.

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

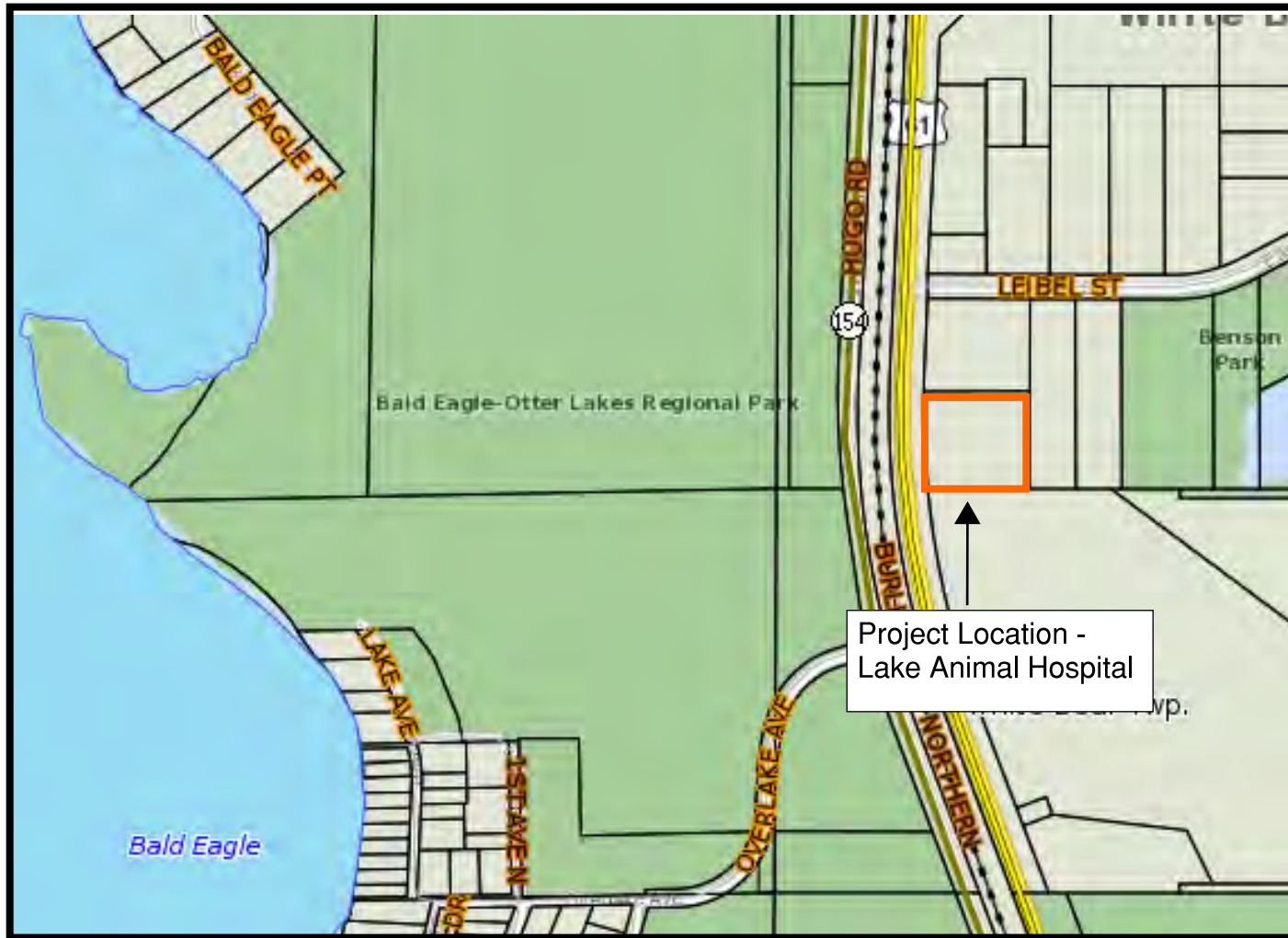
Anne Haws 4-19-17

Anne Haws, 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.

Greg Bowles 4-19-17

Greg Bowles
MN Reg. No 41929



 Project Location
 Public Waterway

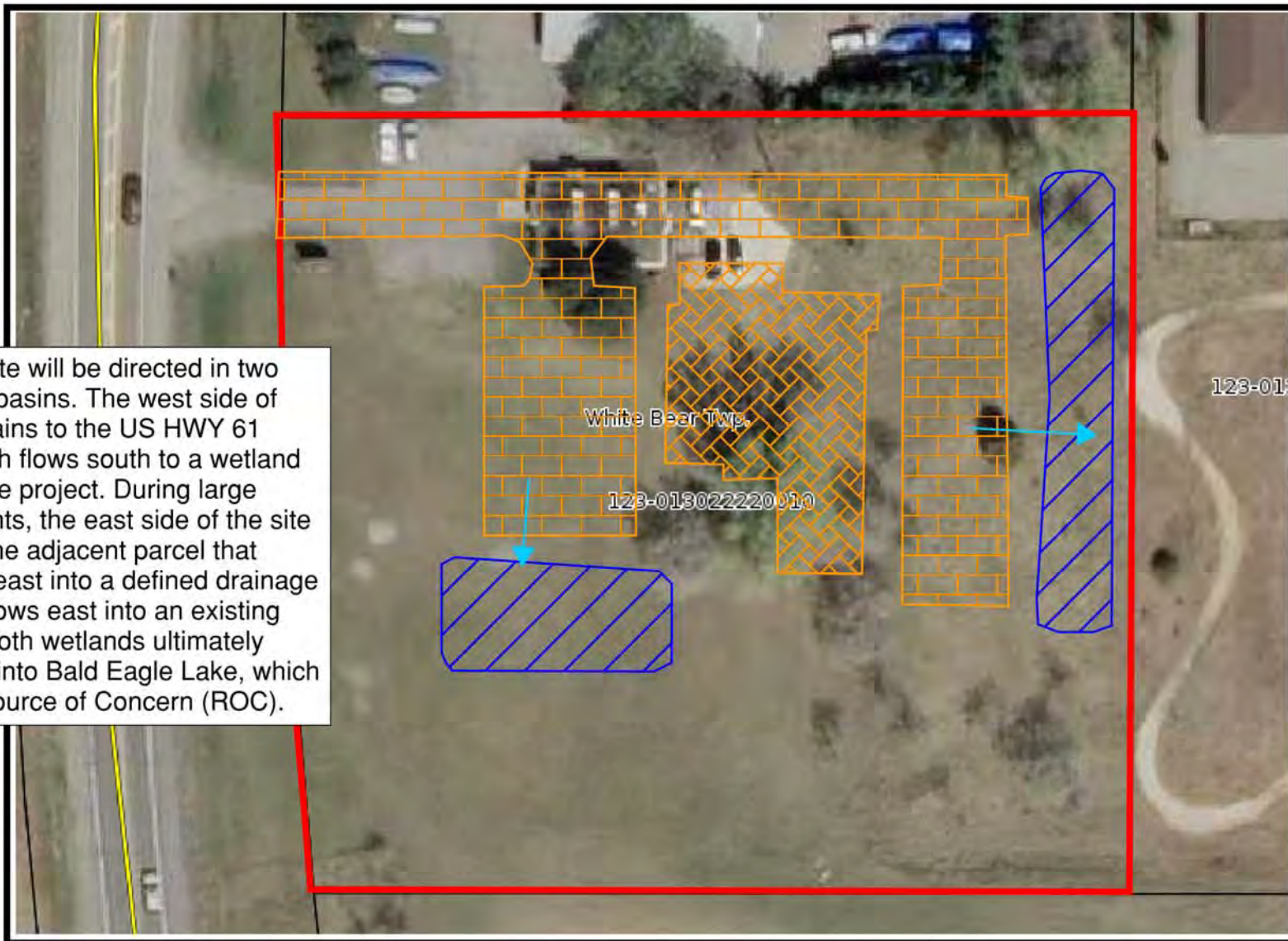
 Public Ditch - Open Channel
 Public Ditch - Stormsewer

Legend

 Public Ditch - Municipal
 Public Ditch - Tile

 Private Ditch
 Private Natural Waterway





Flows onsite will be directed in two infiltration basins. The west side of the site drains to the US HWY 61 ditch, which flows south to a wetland south of the project. During large storm events, the east side of the site drains to the adjacent parcel that overflows east into a defined drainage way that flows east into an existing wetland. Both wetlands ultimately discharge into Bald Eagle Lake, which is the Resource of Concern (ROC).

Legend

- Project Location
- Water Flow
- Proposed Infiltration basin
- Proposed Hard Surface



ITEMS REQUIRING BOARD ACTION

1. Consider 2016 Annual Report. (Beth Carreño)

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers

Date: April 19, 2017

From: Beth Carreño

Subject: 2016 District Annual Report

Background / Discussion

Pursuant to Minnesota Rules Chapter 8410.0150, please find attached for Board consideration the 2016 RCWD Annual Report. The District is required to submit an annual activity report to the Board of Water and Soil Resources within 120 of the end of the Districts fiscal year. The content of this annual activity report includes an assessment of the previous year's annual work plan, a projected work plan for the next year, and several other administrative criteria.

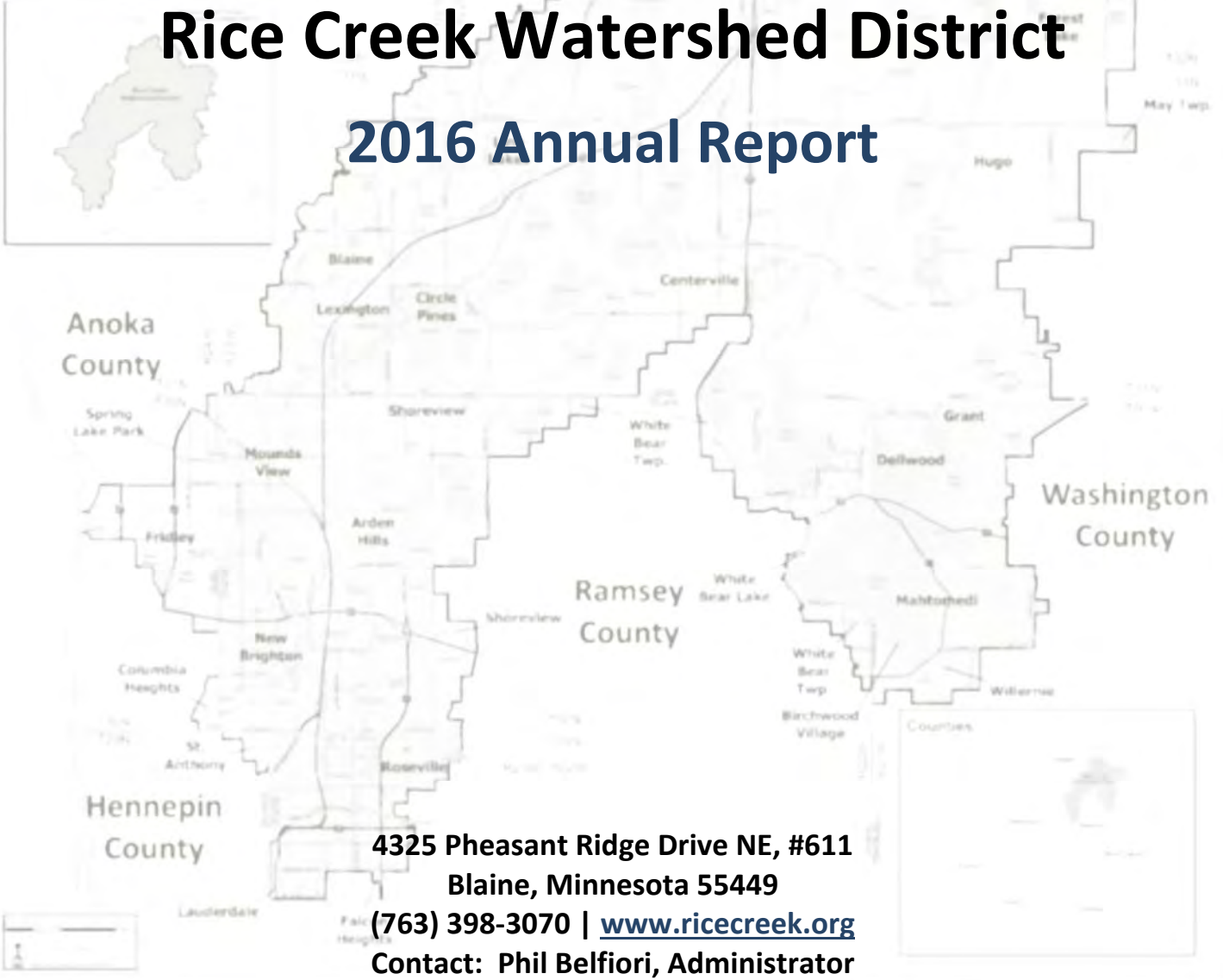
Motion by Manager _____ to approve the 2016 Annual Report and submit to the Board of Water and Soil Resources.



Rice Creek Watershed District



Rice Creek Watershed District 2016 Annual Report



**4325 Pheasant Ridge Drive NE, #611
Blaine, Minnesota 55449
(763) 398-3070 | www.ricecreek.org
Contact: Phil Belfiori, Administrator**

Photo Acknowledgements



Kyle Axtell

Pages 22 & 43

Samantha Berger

Pages 29 & 42

Terrence Chastan-Davis

Page 29

Matt Kocian

Pages 18, 19, 20, 23 & 24

Ed Nater

Page 2

Catherine Nester

Pages 30 & 31

Tom Schmidt

Pages 48 & 50

Table of Contents

Table of Contents	Page
Photo Acknowledgements.....	2
Financial Report.....	4
Board of Managers and Advisory Committee.....	5
Staff and Consultants.....	6
Introduction and Map of the RCWD.....	7-8
2015 At a Glance.....	9-13
<i>2016 Activity Reports and 2017 Work Plans</i>	
A. Education, Outreach, and Communication.....	14-17
B. Stream Management.....	18-20
C. Lake Management.....	21-25
D Regulatory Program.....	26- 33
E. Land and Water Conservation	34-37
F. Urban Stormwater Remediation Cost-Share Program.....	38-39
G. RCWD Clean Water Grant Program.....	40-42
H. Groundwater Management	43-45
I. Wetland Management.....	46
J. Drainage System and Creek Maintenance.....	47-48
K. District Facilities Operations and Maintenance.....	49-50
L. Information Management.....	51-52
M. Local Water Plan Adoption.....	53-55

Financial Report

Budget, Expenditures & Revenue

Based on Audit

Expenditures/Programs	2015 Budget	2015 Expenditures	2016 Budget	2016 Expenditures	2017 Budget
General Administration	\$ 357,858	\$ 355,344	\$ 371,412	\$ 360,847	\$ 385,206
Programs					
Environmental Education	123,222	115,739	126,956	99,283	123,234
Information Mgmt/Technology	110,087	102,181	114,132	82,016	110,926
Water Resource Restoration	1,815,726	1,093,304	2,097,683	1,858,593	5,372,332
Regulatory	809,125	807,465	848,405	899,319	908,791
Ditch & Creek Maintenance	662,725	552,426	875,648	1,203,377	1,242,740
Lake & Stream Mgmt/Monitoring	1,574,975	538,016	1,477,539	1,307,084	985,869
District Facilities	345,000	36,361	100,000	65,180	160,000
Total Program Expenses	5,798,718	3,600,836	6,011,775	5,875,699	9,289,099

Revenue	General Fund	509 Planning Special Revenue Fund	Total Governmental Funds 2016
General Property Taxes	250,000	4,024,705	4,274,705
Revenue from 509 Fund	82,196		82,196
Special Assessments		121,026	121,026
Intergovernmental	120	971,663	971,783
Market Value Homestead Credit			
Grants & Reimbursements			0
Permits		139,965	139,965
Investment Income	12,074	46,923	58,997
Miscellaneous	2,095	213,712	215,807
Total Revenues	346,485	5,517,994	5,864,479

2016 Board of Managers & Advisory Committee

Patricia Preiner, President
Email: p1954r@aol.com
County: Anoka
Term Expires: January 2020

Barbara Haake, First Vice President
Email: trubador2@msn.com
County: Ramsey
Term Expires: January 2020

John Waller, Second Vice President
Email: john.waller@att.net
County: Washington
Term Expires: January 2019

Mike Bradley, Secretary
Email: bradleymj3@gmail.com
County: Ramsey
Term Expires: January 2018

Steve Wagamon, Treasurer
Email: stevenpwags@gmail.com
County: Anoka
Term Expires: January 2019

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Mary Jo Truchon
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Marcie Weinandt (*beginning 10/16*)
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Staff & Consultants

2016 RCWD Staff

Phil Belfiori – Administrator
Kyle Axtell - Water Resource Specialist/Program Manager
Mike Behan / Terrence Chastan-Davis - District Inspector
Samantha Berger - District Technician
Jessica Bromelkamp / Beth Carreño – Communications and Outreach Coordinator
Patrick Hughes - Regulatory/Office Assistant
Matthew Kocian - Lake & Stream Specialist
Catherine Nester – District Technician/Inspector
Tom Schmidt - Public Drainage Inspector
Theresa Stasica - Office Manager
Nick Tomczik - Permit Coordinator/Wetland Specialist

2017 RCWD Staff

Phil Belfiori – Administrator
Kyle Axtell - Water Resource Specialist/Program Manager
Terrance Chastan-Davis - District Inspector
Samantha Berger - District Technician / Permit Reviewer
Beth Carreño – Communications and Outreach Coordinator
Lauren Sampedro – District Technician
Patrick Hughes - Office/Regulatory Assistant
Matthew Kocian - Lake & Stream Specialist
Catherine Nester – District Technician/Inspector
Tom Schmidt - Public Drainage Inspector
Theresa Stasica - Office Manager
Nick Tomczik - Permit Coordinator/Wetland Specialist
Ashlee Ricci – District Technical Assistant

Legal, Professional and Technical Consulting Services

In 2014, the RCWD solicited statements of interest for legal, technical, and accounting professional services. Following solicitation, the RCWD selected Smith Partners for legal counsel, Rinke – Noonan for legal counsel related to drainage, Redpath and Company for accounting, and Houston Engineering. The District also certified thirteen other engineering firms to be part of an engineering pool for the same period of time. These agreements will continue through December 31, 2018.

Legal Counsel

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Phone: 612-344-1400

Rinke Noonan
John Kolb
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PO Box 1497
St. Cloud, MN 56302
Phone: 320-251-6700

Consulting Engineers & Other Services

Houston Engineering
Mark Deutschman / Chris Otterness, P.E.
6901 E Fish Lake Rd
Maple Grove, MN 55369
Phone: 763-493-4522

Redpath & Company - Accounting & Auditing
Mark Gibbs
4810 White Bear Parkway
White Bear Lake, MN 55110
Phone: 651-426-7000

Introduction & Map of RCWD

The Minnesota Board of Water and Soil Resources (BWSR) established the Rice Creek Watershed District (RCWD) at the request of citizens, county boards, and cities on January 18, 1972. The purpose of the RCWD is to conserve and restore the water resources of the District for the beneficial use of current and future generations. A Board of Managers appointed by the commissioners of Anoka, Ramsey, and Washington Counties governs the RCWD. Public board meetings are held on the second and fourth Wednesdays of each month at the Shoreview City Hall.

Watershed districts are local, special-purpose units of government that work to solve and prevent water-related problems. The boundaries of each district follow those of the watershed and consist of land in which all water flows into one outlet such as Rice Creek. Natural resources such as water are managed on a watershed basis because water knows no political boundaries and therefore coordination across city and in some cases state lines is important for successful resource conservation and management.

The RCWD is approximately 186 square miles of urban and rural land in Anoka, Hennepin, Ramsey, and Washington Counties. Portions of the District can be found in the following municipalities: Arden Hills, Birchwood Village, Blaine, Centerville, Circle Pines, Columbia Heights, Columbus, Dellwood, Falcon Heights, Forest Lake, Fridley, Grant, Hugo, Lauderdale, Lexington, Lino Lakes, Mahtomedi, May Township, Mounds View, New Brighton, Roseville, Saint Anthony, Scandia, Shoreview, Spring Lake Park, White Bear Lake, White Bear Township and Willernie.

The Rice Creek Watershed District:

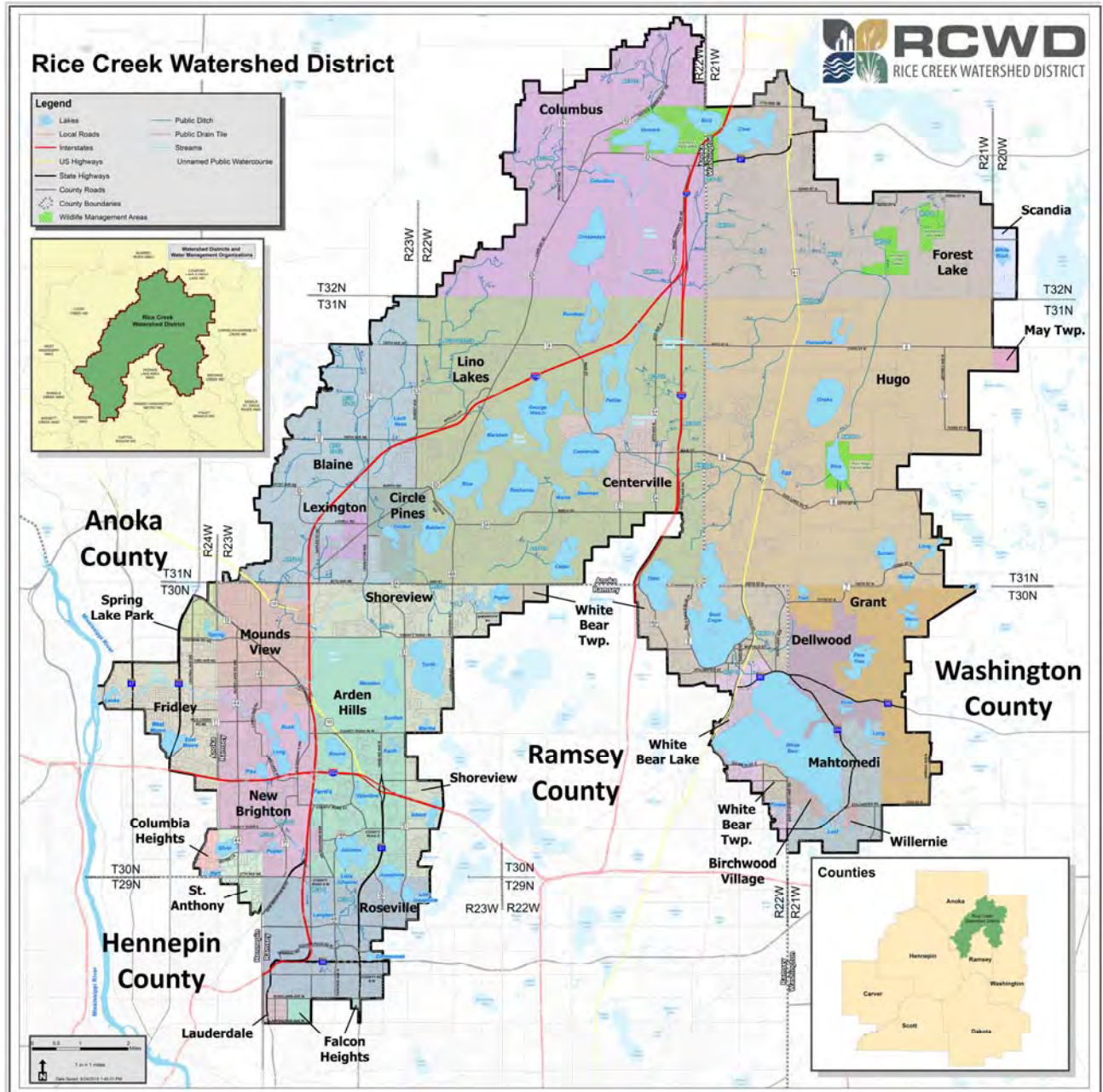
- Manages lakes, streams, groundwater, and wetlands
- Monitors water quality
- Promotes best management practices to improve water quality
- Maintains public drainage systems
- Inventories natural resources
- Issues permits and inspects construction sites
- Administers the Wetland Conservation Act (WCA)
- Educates residents about the watershed and how they can help
- Helps municipalities fulfill Clean Water Act mandates

The RCWD has demonstrated leadership in effectively managing water resources throughout Anoka, Hennepin, Ramsey, and Washington Counties. The District board and staff work together to adapt management priorities and practices to meet the needs of our constituents through the following activities:

1. Demonstrating world class problem-solving in our everyday work and planning;
2. Identifying impairments and improving water quality throughout the RCWD
3. Partnering with RCWD residents in all conservation efforts;
4. Operating in a way that is fiscally responsible and accountable to District residents
5. Making decisions with the RCWD as a whole in mind

Rice Creek Watershed District Map

The map below depicts the boundaries of the Rice Creek Watershed District. The headwaters of the District are located in Clear Lake, Hardwood Creek, and Clearwater Creek. Water then flows through the Rice Creek Chain of Lakes and empties into the Mississippi River.



2016 at a Glance

Capital Projects & Program Summary

2016 Water Quality, Reuse, and Drainage Projects

- Partnership with BWSR to develop a District Wide Stormwater Reuse Assessment Tool: Identified the most productive sites within the RCWD for reduction of groundwater for irrigation. Project funded through BWSR Clean Water Fund implementation grant.
- Water's Edge Stormwater Reuse Partnership Project: In collaboration with the City of Hugo received a \$200,000 Metropolitan Council Stormwater Grant for continued implementation of this innovative reuse project that will reduce groundwater used for irrigation and protect downstream surface waters.
- Forest Lake High School Stormwater Reuse Partnership Project: Partnered with Forest Lake Area Schools and the City of Forest Lake to receive a \$505,000 grant from the BWSR Clean Water Fund for implementation of this innovative reuse project at the athletic fields located at the Forest Lake High School.
- Oasis Pond Iron Enhanced Sand Filter Project: In collaboration with City of Roseville, continue implementation of this innovative Iron Enhanced Sand Filter Project. Project partially funded through Clean Water Fund.
- Anoka County Ditch 31 Repair: Project implementation to construct / repair this public drainage system to provide for agricultural drainage and future municipal stormwater drainage.
- Anoka County Ditch 46 Repair: Project implementation to construct / repair this public drainage system to provide for agricultural drainage and future municipal stormwater drainage.
- Judicial Ditch 4 Repair: Continued project for ongoing maintenance of public drainage system located in Washington and Anoka Counties to provide for agricultural drainage and future municipal stormwater drainage. Continued construction of wetland restoration within former Houle WMA.
- Anoka County Ditch 53-62 Branch 2 Repair: Development of repair report and construction plans for repair of this public drainage system to provide for agricultural drainage and future municipal stormwater drainage.
- Hanson Park Project: Project implementation to construct this regional flood control and water quality improvement project to protect Long Lake and portions of the southwest region of the RCWD. Project partially funded through Clean Water Fund /Target Watershed Demonstration Grant program.
- Mirror Pond Project: Project implementation to construct this regional flood control and water quality improvement project to protect Long Lake and portions of the southwest region of the RCWD. Project partially funded through Clean Water Fund /Target Watershed Demonstration Grant program

- Middle Rice Creek Restoration: Project construction for implementation of stream restoration BMPs in location of the former TCAAP in Arden Hills. Project partially funded through Clean Water Fund /Target Watershed Demonstration Grant program
- Carp Management: Implementation of the District-wide carp management program and the Long Lake watershed carp management project. Project partially funded through Clean Water Fund /Target Watershed Demonstration Grant program
- Bald Eagle Lake TMDL Implementation: Continued project maintenance and monitoring of Bald Eagle Lake Stormwater Reuse/Phosphorus Reduction Project located at Oneka Ridge Golf Course in City of Hugo. Project partially funded through BWSR Clean Water Fund implementation grant.
- Urban Stormwater Cost Share projects – Increase funding for cost-share with City and County Partners to further incentivize regional stormwater reuse projects, flood control projects and water quality projects.
- Anoka County Ditch 10 -22 -32 Repair: Continued project for ongoing maintenance of public drainage system to provide for agricultural drainage and future municipal stormwater drainage.
- Water Quality Cost - Share: This project provides funding through the three Conservation Districts with territory within the Rice Creek Watershed District to provide technical and financial assistance to private landowners to implement water quality restoration and/or protection projects.
- Implementation of the Anoka Chain of Lakes TMDL projects- Continue to pursue competitive grant opportunities to implement water quality BMP's in partnership with local partners including the potential for continued implementation of the Peltier Lake Drawdown project.
- Continued implementation of targeted Water Quality /TMDL implementation projects.
- Continued partnership with the City of Hugo in conducting minor maintenance on Washington County JD 2.
- Halls Marsh Outlet Repair Project- Construction of a repair of this outlet control structure located in the Cities of Birchwood Village and Mahtomedi.

Additional Collaborative Efforts

- Development of a minor amendment to the RCWD Watershed Management Plan to incorporate revisions based on feedback from City and County Partners including building additional incentives towards stormwater reuse projects.
- Development of RCWD Rule revisions related to streamlining the process towards crediting stormwater reuse projects and streamlining the requirements for water quality BMP's for public linear reconstruction projects.
- RCWD City /County partnership meeting which includes participation from the majority of Cities and three Counties. The RCWD anticipates this will be a bi-annual event to get input from and discuss partnerships with our critical City and County partners.
- Partnership with The City of Hugo to apply for and receive a \$200,000 Metropolitan Council Stormwater Grant for the Water's Edge Stormwater Reuse Project.

- Partnership with the City of Forest Lake and Forest Lake Area Schools to apply for a BWSR Clean Water Fund grant for the Forest Lake High School Stormwater Reuse project.
- Partnership with BWSR to develop a District Wide Stormwater Reuse Assessment Tool to identify the most productive sites within the RCWD for reduction of groundwater for irrigation. Project funded through BWSR Clean Water Fund implementation grant.
- Continued partnership with the City of Hugo in conducting minor maintenance on Washington County JD 2.
- Partnering with City of Hugo on continued maintenance and project evaluation of the Bald Eagle Lake Stormwater Reuse/Phosphorus Reduction Project located at Oneka Ridge Golf Course
- Partnership with City of New Brighton, St. Anthony, Roseville and Ramsey County on implementation of the Hanson Park Project, Mirror Pond Project, Middle Rice Creek Restoration Project and the Carp Management Project.
- Participate in Washington County Water Consortium meetings and activities.
- Coordinate education activities with East Metro Water Resource Education Program.
- Cooperate with Anoka and Washington Conservation Districts to monitor lake levels and reference wetlands.
- Participated on the Anoka County Water Resource Task Force.
- Participated in educational efforts at county fairs and RCWD community events.
- Worked with local communities on MS4 Management Plans.
- Participated on the Watershed Partners and Blue Thumb Steering Committee.

2016 RCWD Programs

- Ditch and Stream Maintenance: Program to carry-out the District's responsibility for inspection and maintenance of 120 miles of public drainage system.
- Water Quantity, Flood Control and Water Quality Permit Program: regulatory program to address stormwater quantity and quality from new developments and re-development projects along with the administration of the Wetland Conservation Act in 25 of the District's 27 cities & towns.
- Resource Management Plan Implementation: Provide technical assistance to communities to implement Resource Management Plans in areas of the District they exist.
- Lake & Stream Management: Program includes monitoring, development of lake management plans, invasive species control, and support of volunteer Stream and Wetland Monitoring Program.
- Water Education and Outreach Program: Support for the Master Water Steward program, the RWCD City /County partnership meeting series, and general outreach to cities and landowners.
- Environmental Education: Continued efforts to provide workshops supporting water resource issues; such as Winter Road Maintenance.

- Capital Improvement Early Coordination: Program to work with cities and counties upfront on how to address District water quality and quantity rules in future /upcoming road and re- development projects.
- District Facility Repair, Operations and Maintenance: Program to maintain and operate the 20 District owned water quality treatment projects, lake level control structures, and conservation easements.
- Drainage System Repair Reports: program to systematically go through and assess and repair the over 120 miles of public drainage systems in the District.

Proposed 2017 Water Quality, Reuse, and Drainage Projects

- Water’s Edge Stormwater Reuse Partnership Project: In collaboration with the City of Hugo, continue implementation of this innovative reuse project that will reduce groundwater used of irrigation and protect downstream surface waters.
- Forest Lake High School Stormwater Reuse Partnership Project: In collaboration with Forest Lake Area Schools and the City of Forest Lake, continue implementation of this innovative reuse project at the athletic fields located at the Forest Lake High School.
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- Halls Marsh Outlet Repair Project- Construction of a repair of this outlet control structure located in the Cities of Birchwood Village and Mahtomedi.

Education, Outreach & Communication

Goal: Use education and outreach tools as an integral element within the many aspects of the operation of the District to credibly convey data and information, thereby increasing knowledge, awareness and the capacity for decision-making among the constituents of the District.

2016 ACTIVITIES

Blue Thumb – Planting for Clean Water®

The Blue Thumb – Planting for Clean Water® program (www.blue-thumb.org) helps residents improve water quality by providing the resources and support needed to plant beautiful native gardens, raingardens, and shoreline stabilizations.

The RCWD started the Blue Thumb program in 2006 to help residents and municipalities achieve water quality goals and meet Clean Water Act mandates. Blue Thumb is one of the primary education and outreach tools used by the District to engage residents in activities that reduce stormwater runoff. The Blue Thumb website, displays, and brochures are used by staff regularly to educate residents at local and statewide events.

A license and transfer agreement for Blue Thumb was executed between the District and Metro Blooms, a local non-profit organization, in June of 2015. The RCWD Communications and Outreach Coordinator serves on the Blue Thumb Steering Committee and is working with partners to create a sustainable financial and administrative structure for the program. Blue Thumb is expanding regionally into southeastern Minnesota as well as into other states in the midwest (Missouri and Indiana). As a member of the steering committee, RCWD staff assists with implementation of projects, expansion of partners, and strategic planning for the long-term success of the program. The RCWD board will make a determination about whether to transfer the program in the fall of 2017.

Blue Thumb and Rice Creek Watershed District successfully participated in the State Fair, Landscape Revival, and the MPCA / MN Humanities / Smithsonian *Water/Ways* project in 2016. The new website, Pledge to Plant campaign, and new professional development and networking opportunities were offered to current and prospective partners.

Metro Watershed Partners

The RCWD is a member of the Metro Watershed Partners, a coalition of more than 70 public, private, and non-profit organizations in the Twin Cities metropolitan area. Through collaborative educational outreach, the partners promote a public understanding that inspires people to take action to protect and improve their local water resources. Since 1997, the partners have cooperated through education projects, networking, and resource-sharing.

In October 2016, Metro Watershed Partners kicked off a three-year project to produce clean water educational messages and programs (based on research in social science) for outreach and communication efforts of the partners. This also communicates a single message to residents in the Twin Cities area.

The coalition launched a new website at www.cleanwater.org that features stories, images, and resources to engage Minnesotans around the “clean water” message. This continues the coalition’s path of moving away from purchased media towards strategies focused on measurable behavior change.

Communications

RCWD uses electronic, hardcopy, and social media communications to engage the public and meet (and exceed) legal requirements for communication. This includes distributing public notices, emailing the RCWD’s 2016 Summer Newsletter (and mailing hard copies to member cities), distributed press releases and/or writing columns about RCWD program and projects, and representing the RCWD at community events by hosting a booth or speaking to residents.

RCWD hosted two City-County Partner meetings in 2016 (April and December). These meetings are a critical method to keeping positive communication and relationships between our numerous city and county partners, updating on current initiatives, and getting feedback for future efforts. These will partner meetings will continue twice a year in 2017.

An additional example of RCWD communication includes the press releases, social media promotions, and collaborative articles that resulted from Rice Creek Watershed District’s Bald Eagle Lake Implementation Plan receiving the Minnesota Association of Watershed Districts’ 2016 Project of the Year Award. Incorporating details of the project with the announcement of the award resulting in an article in the White Bear Press, community papers and publications, and on social media. The MPCA also featured the project in their Waterfront News. These project and award components with initial communications began in 2016. Several of the publications took place in 2017.

Master Water Stewards Program

The Master Water Stewards Program was created to provide training and support for community members to help solve water resource problems in partnership with local experts and agencies. Modeled after the Master Gardener Program, Master Water Stewards learn about environmental policy, stormwater management, hydrology, environmental decision-making, and more. They also commit to completing a capstone project targeting a water quality issue in their community. Ongoing education and volunteering is required in subsequent years to maintain ones’ certification.

RCWD staff recruited four community members to participate in the program in 2016. RCWD staff worked closely with the Stewards to plan and implement a capstone project comprised of an education and outreach campaign and a project designed to reduce stormwater runoff.

Three collaborative projects began in 2016 and will continue into 2017 (two participants are working together on their project). The projects engage partners beyond the watershed district and include a church, county conservation districts, a school, multiple cities, a township, and members of the public.

The Master Water Stewards Program is an opportunity to build capacity in RCWD communities to help the District and residents achieve their clean water goals. The RCWD will recruit a new class of Master Water Stewards to begin in the fall of 2017.

Stormdrain Marking

The stormdrain marking program reinforces the simple, yet important concept that “every curb is a shoreline.” The markers say, “Be a Stormdrain Guardian! Clean streets = Cleaner Lakes & Creeks.” As part of this program, volunteers receive training to assist with keeping stormdrains and city streets free of debris through sweeping and maintenance. The stormdrain markers themselves are also valuable in that they provide residents with the RCWD’s contact information to report drainage as well as erosion problems. Master Water Stewards and Citizen Advisory Committee members make use of the kits to mark stormdrains in their communities.

2017 WORK PLAN

Education, Outreach, and Communication

This program includes a variety of education, outreach, and communication activities including drafting content for the annual report, website, biannual newsletters, press releases and articles for city newsletters as well as other media outlets. Staff also frequently speak at or attend community events to share information about RCWD programs and projects as well as coordinate meetings and workshops for city staff and maintenance professionals to achieve water quality goals.

Participation in key partnerships such as the East Metro Water Education Partnership, Metro Watershed Partners, Metro Communicators CONNECT, and Nonpoint Education for Municipal Officials increases the depth and breadth of our work. RCWD staff will continue to seek partnerships and collaborate whenever possible and in an effort to strengthen its programs most efficiently. There will be two City – County Partner meetings in 2017 as well as additional targeted educational opportunities for the partners (stormwater reuse for irrigation, winter maintenance, etc).

MailChimp will be used to increase the efficiency and effectiveness of electronic communications with a variety of audiences.

RCWD Projects

Education, outreach, and communications plans are being established for the Hansen Park, Forest Lake (Stormwater Reuse), Long Lake Targeted Watershed Demonstration, Peltier, and Bald Eagle Lake projects. Each plan will be tailored to meet the needs of the community as well

as to effectively share project benefits and plans with residents. Examples of this work may include developing signage and brochures, project tours, and significant coordination with partners to accomplish any one of these goals.

The Forest Lake project includes a specific education deliverable to develop lessons around the concept of stormwater reuse for irrigation. RCWD staff will assist the Forest Lake school district to develop these lessons and will also work with other partners (including DNR and other watershed districts) to ensure that the lessons are duplicable (or easily modified) for other areas and meet a high educational standard.

Additional projects in 2017 will include supporting Master Water Stewards as they implement capstone projects, working with partners to educate about the Stormwater Reuse for Irrigation Assessment Tool and Local Water Plans, and collaborating with RCWD staff to target outreach efforts to support the District's grant programs.

Blue Thumb – Planting for Clean Water

RCWD will remain an active participant in and supporter of the Blue Thumb program in 2017. District staff will continue to participate on the Steering Committee as well as to monitor progress made towards the goals established in the Blue Thumb license and transfer agreement. Additionally, Blue Thumb materials and displays continue to be an important part of the District's outreach program.

RCWD is committed to Blue Thumb's Pledge to Plant campaign and will continue to use the campaign as a vehicle to engage residents in their personal land management and planting choices.

Winter Roads Maintenance Workshop

RCWD will host a Level II Winter Salting Workshop in partnership with Fortin Consulting, Inc. The workshop allows public works decision makers to review their current best management practices and salt use for possible savings using the Winter Maintenance Assessment tool (from Minnesota Pollution Control Agency). RCWD will also look for opportunities to promote and educate on smart salting practices including the sponsorship of Freshwater Society's Road Salt Symposium.

Evaluation

Evaluation of the program is through a combination of qualitative and quantitative markers. Each project or activity has its own markers that include meeting stated project goals and objectives; following strategies; number served; meeting stated contractual requirements; and fulfilling the defined outcome. Qualitative data comes from survey forms and feedback; engagement at City – County Partner meetings; and community engagement in programs.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Stream Management

Goal: Healthy and vibrant streams that support wildlife and function to transport water while minimizing flooding.

2016 ACTIVITIES

Strategies

- Establish long-term monitoring sites in strategic locations throughout the District and gather data from those sites in the most efficient way possible.
 - Data is used to monitor the long-term changes in flow and water quality and to provide the basis for evaluating improvement projects
- Monitor morphology of all streams in the District and use this information to develop restoration plans and evaluate completed restorations
- Restore stream stability and ecologic function to meet TMDL goals

Stream Monitoring

The RCWD monitored water quality and/or quantity (continuous flow monitoring) at 17 stream sites in 2016. The District also cooperated with the U.S. Geological Survey to collect real-time flow on Rice Creek.

Hardwood Creek TMDL Implementation

The Hardwood Creek TMDL Implementation project was completed in 2014. The main objective of the project was to reduce suspended solids and biological oxygen demand concentrations by restoring stream reaches and doing livestock management.

Several monitoring programs were used in 2016 to evaluate this project. First, two stream monitoring stations on Hardwood Creek were utilized to evaluate changes in TMDL pollutants. Second, habitat, stream stability, and geomorphological surveys were completed to evaluate physical changes in Hardwood Creek. Lastly, the Stream Health Evaluation Program (more information to follow) evaluated changes in stream biota. The monitoring results suggest that TMDL pollutant goals are being met, stream stability and habitat have improved, and stream biota are responding positively.

Stream Health Evaluation Project (SHEP)

The RCWD partners with Friends of the Mississippi River (FMR) and the MPCA to implement the Stream Health Evaluation Project (SHEP). The SHEP team consists of 30 volunteers who monitor area streams and collect macroinvertebrate data that can be used to evaluate overall stream health. This project, led by FMR, trains



volunteers to systematically collect and identify benthic macroinvertebrates. The data is then shared with decision-makers to help inform discussions about stream health and water quality.

Sites on Rice, Hardwood, and Clearwater Creeks are chosen for their locations upstream or downstream of significant natural resource impacts such as ditch maintenance, new suburban development, and stream restoration projects. This allows volunteers to identify and track trends in the ecological health of the stream as land use changes and management/restoration projects are implemented in the watershed. A final report summarizes the monitoring results once data is collected and quality-assured.

Middle Rice Creek Restoration

Middle Rice Creek extends from Lino Lakes to New Brighton. It was straightened in the early 1900's. This modification created an unstable channel with poor habitat. Middle Rice Creek is listed as impaired for biota. In 2016, the RCWD initiated a stream restoration project to restore stream meanders, stabilize stream banks and bed, and improve habitat. To evaluate success, several pre-project monitoring efforts were implemented including geomorphic surveys and a suspended-sediment monitoring partnership with the U.S. Geological Survey.

Lower Rice Creek Restoration Feasibility

RCWD monitoring efforts on Lower Rice Creek (photo at right) indicate the channel is unstable and contributing excess sediment to downstream resources. In 2016, the RCWD initiated a feasibility study to identify opportunities for stream restoration, flood control, and habitat improvement.



2017 WORK PLAN

Lake and Stream Management and Monitoring - Surface Water Quality Monitoring Program

The Surface Water Quality Monitoring Program is guided through the Monitoring Program Plan and executed by the Lake and Stream Specialist. The District has a stream and lake monitoring network that continues to be refined to make it more pertinent to current water-quality concerns. Other monitoring supported by the District includes the Citizen Assisted Monitoring Program (CAMP) with ten lakes enrolled. Counties continue to be an important partner for lake water quality and water level monitoring with support and coordination from the District. The MN DNR works closely with the District for lake vegetation and fisheries management and stream-channel restoration. In 2016, the District entered into inter-agency agreements with the Washington and Anoka Conservation Districts to conduct lake level and reference wetland monitoring and with Ramsey County to conduct water quality monitoring on ten lakes.

Lake and Stream Management Program

The Lake and Stream Management Program is focused on using the monitoring information, completed TMDL studies, and other diagnostic studies to select and implement a range of projects, programs, and activities to maintain, restore, and/or enhance the conditions of lakes and streams within the District. To date, the following TMDL studies have been completed and approved: Bald Eagle Lake Nutrient TMDL, Golden Lake Nutrient TMDL, Silver Lake Nutrient TMDL, Hardwood Creek Biota TMDL, Anoka Chain of Lakes nutrient TMDL, Peltier/Centerville Lakes nutrient TMDL, and the Southwest Urban Lakes TMDL.



Photo: Stream Monitoring in RCWD

Evaluation

Evaluation of the program is primarily through quantitative markers. Each project or activity has its own defined monitoring and project outcomes and markers that include meeting stated project goals and objectives; following strategies; numbers associated with times tested and results of testing; meeting stated contractual requirements; and fulfilling the defined outcome. The ultimate evaluation tool is the improvement of the water resource from pre-project status.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Lake Management

Goal: Manage lake systems for their ecological and community value, in a manner consistent with user expectations and technically achievable goals.

2016 ACTIVITIES

Strategies

The Rice Creek Watershed District works with lake associations toward restoration and conservation goals. In 2016, the RCWD worked with Bald Eagle, Clear, Peltier, Locke, Reshanau, Silver, Johanna, Little Johanna, and Josephine Lake associations on a variety of water quality projects including shoreline restoration, diagnostic studies, aquatic plant surveys, aquatic invasive plant control, carp management, and an alum treatment (Bald Eagle).

Total Maximum Daily Load (TMDL)

Instead of counting calories for lakes' diets, we measure "Total Maximum Daily Loads," or TMDLs. A "Total Maximum Daily Load" is the total amount of a pollutant, in pounds, that a given water body can assimilate and still meet its designated use. The "designated use" of each water body must first be identified.

- Is it a source for drinking water?
- Is it used for recreation, such as swimming?
- Does it supply agriculture or industry?
- Does it provide significant habitat for fish and other aquatic life?

After a lake's designated use is identified, the water must be tested for pollutants. If it fails to meet the minimum standards for its designated uses, pollution sources must be identified. Steps are taken to limit pollutants entering a lake so that it becomes suitable for the identified uses.

TMDLs for the Anoka County Chain of Lakes and Peltier / Centerville

Funding for these TMDLs was split between the District (Anoka Chain of Lakes TMDL) and the MPCA (Peltier/Centerville TMDL). These TMDLs were initiated in late 2007; they were finalized and approved in 2013. In 2016, the Peltier TMDL provided the impetus for the Peltier Lake Drawdown Project. A winter water level drawdown was proposed to compact loose lake sediment, reduce invasive curlyleaf pondweed, and improve water clarity. Although the project was studied and initiated in 2016, it was postponed when heavy rains made water level drawdown impossible. RCWD will re-attempt this project in 2017.

TMDL Golden Lake

This TMDL was completed in 2009 and approved by the MPCA and EPA. The Anoka Conservation District, working with the City of Blaine and the RCWD, received a 2014 Clean Water Fund grant for an iron-enhanced sand filter retrofit project in the Golden Lake watershed. Project design began in 2014, and construction was completed in 2015. Monitoring

of this project continued in 2016. Data indicated significant reductions in phosphorus at the filter outlet.

TMDL Bald Eagle Lake

The Bald Eagle Lake TMDL study was started in 2007 and was funded entirely by the RCWD. The final report for this study was completed in 2010; final approval was given in May of 2012. Monitoring data in Bald Eagle Lake suggest significant improvements in water quality. Beginning in 2014 and continuing through 2016, Bald Eagle Lake met state phosphorus standards for the first time since 1980 when data were first collected.

Bald Eagle Lake Restoration Project

Following completion of the Bald Eagle TMDL, the RCWD embarked on a three-pronged approach for achieving state water quality standards.

First, the RCWD initiated the State's largest aluminum sulfate (alum) project on Bald Eagle Lake. Alum binds to phosphorus in lake sediments, making it unavailable for recycling by algae. The first of two alum applications occurred in 2014. The second application occurred in 2016. The Bald Eagle Alum Project will result in the annual removal of 1100 lbs. of phosphorus from the lake phosphorous budget.

Second, the RCWD, working with the City of Hugo and Oneka Ridge Golf Course (photo at right), developed a large stormwater reuse system at Oneka Ridge Golf Course to reduce phosphorus loading to Bald Eagle Lake. The project intercepts runoff from a private ditch network that drains nearly 1,000 acres of land before it runs into Ramsey-Washington Judicial



Ditch #1 and Bald Eagle Lake. The design is anticipated to stop approximately 75 pounds of phosphorus from reaching Bald Eagle Lake annually - depending on the amount of rainfall received. In addition, the volume of groundwater pumped by the golf course for irrigation is expected to be reduced by 40-50%. This project was primarily funded by a large grant from the Clean Water Fund (Clean Water, Land and Legacy Amendment). Project construction was completed in November 2014. Monitoring continued in 2016.

Lastly, the RCWD partnered with local landowners to install ten raingardens to intercept untreated stormwater runoff and six shoreline restoration projects to reduce erosion.

The Bald Eagle Lake Restoration Project was awarded 2016 *Project of the Year* by the Minnesota Association of Watershed Districts.

Southwest Urban Lake Management Planning

Although not technically a TMDL, this “TMDL-like” study was developed by the RCWD to assess and improve the water quality of the lakes within fully developed watersheds. The project was conceptually defined in early 2007 and initiated after receiving numerous complaints and concerns from properties adjacent to the urban lakes.

Much of the data assessment, lake sediment data collection, and preliminary BMP strategy development were done in 2007 with additional lake water quality data collection, model development and management approach development completed in 2008. This guidance document was used in 2016 to acquire a Clean Water Grant for the installation of an iron-enhanced sand filter upstream of Lake Johanna and Little Lake Johanna. This project will be implemented in 2017.

Long Lake Targeted Watershed Demonstration Program

In 2014, the District was awarded a \$3,000,000 Clean Water Fund grant from BWSR’s Targeted Watershed Demonstration Program to help implement a series of projects aimed at improving water quality in New Brighton’s Long Lake by reducing total phosphorus and sediment loading. The four primary projects being implemented through this program include:

1. A stream restoration and re-meandering project on Middle Rice Creek within the former Twin Cities Army Ammunition Plant
2. Development of a carp management plan for Long Lake and its connected waters (including implementation of that carp management plan)
3. A water quality and flood control project within Hansen Park in New Brighton
4. A water quality and flood control project within Mirror Lake in Saint Anthony

2016 saw significant advancements on all aspects of the program:

- Phase 1 of the Middle Rice Creek Restoration Project was completed.
 - Creek meanders were restored through excavation, stabilization, and planting (photo at right)
 - Phase 2 will occur in 2017
- Significant research has been completed on common carp migration and population dynamics in the Rice Creek Chain of Lakes system.
 - In 2016, the RCWD partnered with the U of M to track carp movement, conduct a mark-recapture population survey, and develop a population model.
 - The results of this work will guide management actions in 2017



- Construction on the Hansen Park Comprehensive Water Management Project began in 2016. Significant progress was made despite very difficult working conditions due to weather.
 - This large innovative stormwater retrofit project will drastically reduce sediment and phosphorus loads entering Long Lake
 - Construction will continue in 2017
- The City of Saint Anthony, working with the RCWD, began the Mirror Lake Improvement Project in 2016.
 - This stormwater retrofit and flood-control project will be completed in 2017

Aquatic Invasive Species Management

The RCWD provided funding and plant surveys to support management of invasive plants on Bald Eagle, Reshanau, Josephine and Clear Lakes. The District was also awarded grant funding from the DNR to treat curlyleaf pondweed on Bald Eagle and Reshanau Lakes. Curlyleaf pondweed is a non-native, invasive aquatic plant with an unusual lifecycle which contributes to internal phosphorus loading in lakes. The District provided technical and financial resources to complete plant surveys on Josephine and Clear Lakes which aided management actions by lake associations.



Photo: Alum Treatment on Bald Eagle Lake

Lake Monitoring

In 2016, the District entered into inter-agency agreements with the Washington and Anoka Conservation Districts and Ramsey County to conduct lake level, water quality, and reference wetland monitoring. The RCWD staff were responsible for monitoring water quality on ten lakes. This monitoring will enable the RCWD to verify effectiveness with the Resource Management Plan (RMP) and rule provisions and adapt our rules and tactics accordingly.

Bald Eagle Lake

The District completed aquatic plant surveys in cooperation with lake associations on Bald Eagle, Reshanau, Josephine, and Clear Lakes.

Citizen Assisted Monitoring Program (CAMP)

The RCWD continued to support citizen lake monitoring through the CAMP program in 2016. Ten lakes were monitored by CAMP volunteers. They collected data on nutrients (phosphorus and nitrogen) as well as chlorophyll-a and transparency.

2017 WORK PLAN

Southwest Urban Lakes Implementation

This capital improvement program addresses the degraded water quality of lakes located within the southwest portion of the District. This program is generally identified within the Lake Management Plans contained within the report titled, "Southwest Urban Lakes Study" dated April 2009. The Southwest Urban Lakes Study assessed the water quality of 24 lakes in the southwest portion of the District particularly in relation to state water quality standards. It resulted in the development of management action plans for each lake. The intent of each management action plan is to provide the District a prioritized list of projects for further investigation. More than 200 potential retrofit BMPs are identified in the management action plans. Further feasibility assessments are needed for most projects before the District proceeds with a particular project. This program will be utilized again in 2017 to acquire grant funding and implement projects.

Long Lake Targeted Watershed Demonstration Program

Three of four major projects were initiated in 2016: construction began on the Middle Rice Creek, Mirror Pond, and Hansen Park projects. Construction will continue through 2017. Research and development continued for the 4th project, carp management. Implementation of an integrated carp management plan will begin in 2017.



Artist's Rendering of Iron-Enhanced Sand Filters at Hanson Park Location

Evaluation

As with Stream Management, evaluation of the program is primarily through quantitative markers. Each project or activity has its own defined monitoring and project outcomes and markers that include meeting stated project goals and objectives; following strategies; numbers associated with times tested and results of testing; meeting stated contractual requirements; and fulfilling the defined outcome. The ultimate evaluation tool is the improvement of the water resource from pre-project status.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Regulatory Program

Goal: Effective regulatory program that fosters sound land use and water resource management in the District.

2016 ACTIVITIES

Strategies

In 2016, the District adopted rule changes addressing single-family subdivision, public linear reconstruction standards for stormwater reuse and clarifying revisions.

Other 2016 strategies:

- Ensure that permits are processed in a timely and professional manner; the district utilizes a database with automated reminders of application status.
- Work with cities to ensure that the RCWD rules are well-understood by city staff through RCWD City – County Partner meeting and direct communications with municipalities.
- Ensure the District’s permit program and responsibilities as the WCA Local Governmental Unit (LGU) are applied fairly and uniformly throughout the District.
- Ensure strict requirements for the assumption of permitting authority from the RCWD.
 - The city of Circle Pines sought assumption of permitting authority in 2016; in conjunction, the District updated assumption materials.
- Continue review of old files, eliminate duplicative information, and further develop the archival system to make files more accessible and take up less office space.
 - The District reviews old files as inquiries and applications come into the office.
- Ensure permit holders and municipalities are using and encouraging proper erosion control measures at development sites through regular site inspections.
- Foster productive professional relationships with other regulating entities and promote unified messages that encourage successful projects.
 - District staff routinely communicate with municipal staff as well as other state and federal staff on issues and projects.

Permit Application Review Actions

Permit application review is undertaken by a team of engineers, attorneys, and RCWD staff. Houston Engineering is the District engineer, and the District’s legal counsel includes the two law firms of Smith Partners and Rinke Noonan. The District also provides dedicated regulatory staff serving the public throughout the entire regulatory process from pre-application discussion, effective application review, site inspections, and the maintenance of stormwater facilities. The RCWD encourages early discussion on project compliance with District regulation; this is especially important when applicants and their consultants are responding to the nuances of the regulations. District files often contain important information on past

projects and/or studies, including regional stormwater facilities or Comprehensive Stormwater Management Plans (CSMP), that can be made available for consideration.

Early project coordination also serves to address areas of regulation that benefit from additional explanation, such as the Comprehensive Wetland Protection and Management Plan (CWPMP) and its relationship with WCA in certain areas of the District. The District continually updates the numerous guidance documents and worksheets for applicants and consultants to use and reference in response to the District's rules. These guidance documents are available on the RCWD website.

The permit application review schedule includes sufficient lead time to ensure ongoing communication to “fine tune” materials and demonstrate compliance with the rules. Most permit applications require the RCWD Board’s consideration at the second monthly board meetings; some regulatory actions have been delegated to the Administrator. District staff and engineers continue to identify regulatory areas needing clarification through guidance documents and/or additional revision of the regulations.

Inspection

Beginning in November 2016, the RCWD is subdivided geographically into four inspection areas served by separate staff with multiple duties (not including the City of Hugo and the City of Circle Pines who have permitting authority for RCWD Rules C, D, E and F—see map on the next page). The inspection department is equivalent to 2.5 full time staff members. The RCWD continues to contract with the Ramsey Conservation District (RCD) for inspection services within a portion of the District. This relationship continues to substantially contribute to the RCWD’s overall inspection activity.

The RCWD continues to conduct two types of regular permit inspections: routine and close-out. Non-routine inspections relating to complaints or work without a permit are also conducted as-needed.

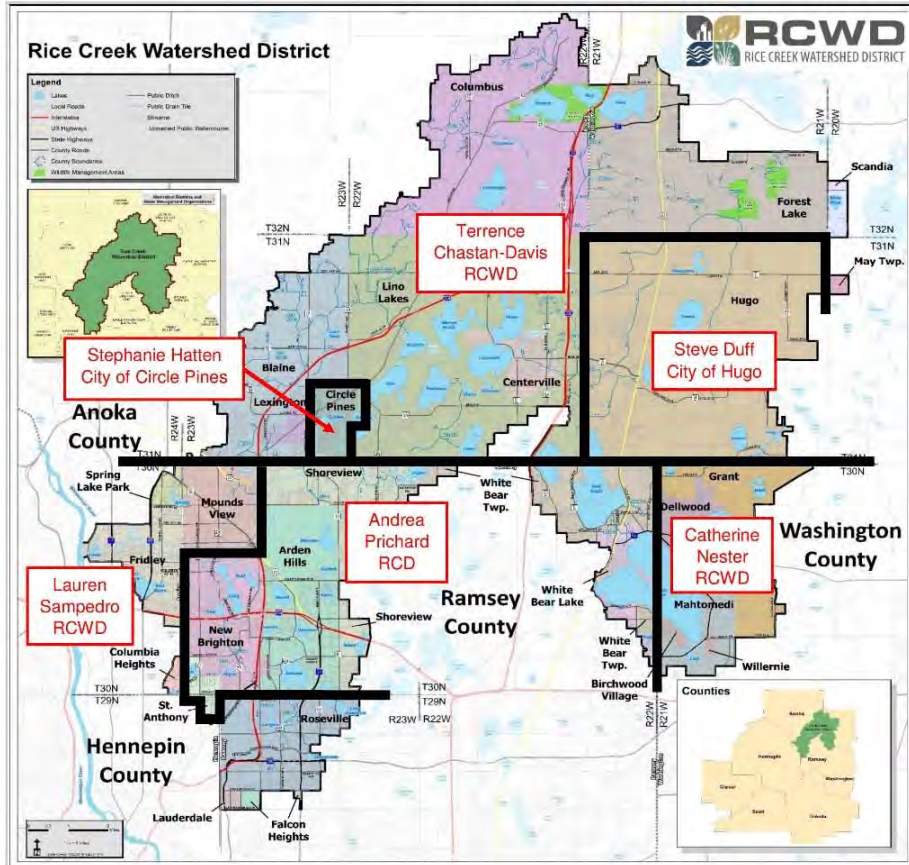
Rice Creek Watershed District

Inspector Area Map

November 21, 2016

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<u>Catherine (RCWD)</u> Birchwood Village Dellwood Grant Mahtomedi Willernie	<u>Terrence (RCWD)</u> Blaine Lino Lakes May Twp Centerville Columbus Forest Lake Scandia Lexington	<u>Lauren (RCWD)</u> Columbia Heights Falcon Heights Fridley Lauderdale Mounds View Roseville Spring Lake Park	<u>Andrea (RCD)</u> Arden Hills New Brighton Shoreview St. Anthony White Bear Lake White Bear Twp	<u>Steve (City of Hugo)</u> Hugo	<u>Stephanie (City of Circle Pines/WSB)</u> Circle Pines
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Inspections are necessary to ensure compliance with the RCWD rules. Routine inspections most frequently include ensuring the proper use of sediment and erosion control BMPs at active residential, commercial, and industrial development sites. RCWD conducts regular inspections to confirm compliance of stormwater management features, wetlands, and floodplains. There has been an overall decrease in violation rates relating to erosion/sediment control and temporary BMP maintenance during routine inspections since 2014. For permanent stormwater management, there was a decrease in the violation rate from 2014 to 2015, but a slight (~1%) increase in 2016. Ongoing relationships between RCWD inspectors and on-site personnel are a key factor in keeping violation rates low. In addition to low violation

rates, significant cost savings can be realized when deficiencies are identified during the construction process rather than after construction is complete.



Photos: Underground filtration system piping (above) and concrete washout containment (below).



Close-out inspections are performed when a project has been completed. Close-out inspections seek to verify that the project has been built per the RCWD-approved plan, final stabilization/vegetation has been established, and all temporary BMPs have been removed. Close-out inspections typically lead to permit closure and the return of any surety held for the permit.

The RCWD inspectors continue to maintain a strong presence on active construction sites while balancing the need to resolve older, inactive permits. The goal in 2016 was to inspect each construction site at a frequency of once per month and to prioritize inspections based on a variety of factors. Higher priority sites include sites that are larger than one acre, sites discharging to a special or impaired water, etc. Inspector transitions continued in 2016, but the inspection frequency goal was still met. Additional assessment relating to this goal will continue in 2017. There is still room for improvement in addressing issues relating to historic permit files.



Photo: Joint inspector training at a permitted construction site in Arden Hills

Permanent Stormwater Management BMP Monitoring and Assessment

The RCWD continued to assess the functionality of the growing number of permanent stormwater management BMPs using an inquiry-based or as-needed approach during 2016. For example, a formal maintenance inspection may be appropriate if the RCWD receives a maintenance-related complaint or a proposal for utilization of excess treatment volume in an existing BMP as part of a new permit application. The District occasionally receives requests for confirmation of compliance with maintenance requirements during property transactions; this may also warrant a maintenance inspection.

Prior to 2015 & 2016, a summer intern was hired who was primarily dedicated to permanent stormwater BMP inspections. In 2015 & 2016, the summer intern was instead primarily dedicated to assisting various staff in other priority workload areas (carp tracking in 2015 and permit database/historic permit status updating in 2016). In 2016, three sites were formally inspected for BMP maintenance. RCWD will continue to perform formal maintenance inspections on an as-needed basis in 2017.



Photo: Leaf litter starting to accumulate at a curb cut inlet to a rain garden

The RCWD website includes some guidance on BMP inspections and reporting but additional content is needed. RCWD maintenance agreements typically include a requirement that an annual report documenting inspection dates and associated actions will be submitted to the RCWD within 30 days of the anniversary of permit issuance; however, very few are received. While this is problematic regarding the maintenance agreement language, given the ever-growing number of permanent stormwater BMPs, the current level of staffing would likely be insufficient to review & file all the reports and follow-up on identified issues. To promote awareness of the required maintenance obligations, RCWD inspectors remind permit holders of perpetual maintenance requirements for permanent stormwater BMPs at the time of permit closure, and ensure our website is up-to-date with guidance documents.

2016 Permit Activity

Review Files (WCA-only decisions, complaint files, and other site reviews)	185
General Permits Issued	117
Variances Issued	3
Enforcement Actions Taken	0
Construction sites inspected	205
Notices of violation (including all inspection reports issued containing at least one non-compliant item, including minor compliance issues)	189
Total inspections	689
Erosion Control Violation Rate	6.54%
Sediment Control Violation Rate	11.31%
Temporary BMP Maintenance Violation Rate	2.13%
Permanent Stormwater Management Violation Rate	7.41%
Stop work orders (10-day notice)	5
Frequency of inspection for active construction sites	Weekly
Permits closed	156
Previously permitted sites inspected for permanent Stormwater BMP maintenance	3

2017 WORK PLAN

Managing excess runoff is necessary to prevent areas from flooding, reduce erosion, and address water quality problems. District rules and the permit review program are the primary methods used to achieve this goal. The District understands this is not the only strategy to meet the goal and continually considers a multi-faceted approach for potential projects.

Excess runoff management broadly includes managing peak runoff rates, runoff volume, floodplain capacity, lake water levels, flooding, and the consequences of excess runoff, including erosion and sedimentation. While the effective management of excess runoff reduces the need for public expenditures to construct large and more expensive stormwater management facilities, the District recognizes large projects are a likely need to manage stormwater throughout the District in a developed and developing landscape. Erosion and

sedimentation are addressed, at least in part, by the ongoing inspection of active construction sites. Excess runoff is generally managed on a day-to-day basis through implementation and enforcement of District rules, the review and approval of Local Water Management Plans within the District, and by providing technical data, support, and information. This overall strategy will continue in 2017.

Permit Review Program

The purpose of this program is to implement the District rules through the receipt and review of applications for permit issuance and subsequent inspection and enforcement of permit terms. Permit application review will continue in 2017.

This program also includes an annual audit of the City of Hugo, which assumed administrative delegation of some of the District rules. This annual review will continue in 2017. The City of Circle Pines also assumed administrative delegation of the District Rules. The first audit for the City of Circle Pines will be completed in 2017.

Evaluation

Evaluation of this program is primarily through quantitative markers. The District measures the success of permit program by the issuance of permits and compliance with the permit terms. For any applications that remain incomplete, applicants are contacted by District staff to ensure thorough communication of required materials needed for a complete application. The permit inspection program is evaluated by the number and frequency of evaluations and outcomes.

Timeframe, completion of required steps and deliverables, compliance with rules and regulations, and installation of BMPs are other measurable outcomes for the evaluation process.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Land & Water Conservation

Goal: Capitalize on opportunities to enhance water quality, reduce runoff volume, and flood damages, and enhance ecological resources by using open space and greenways.

2016 ACTIVITIES

The RCWD utilized an innovative method for dealing with the seemingly incompatible objectives of protecting wetlands and improving water quality while providing viable options for land development and agricultural drainage.

The method was originally termed Resource Management Plans (RMPs). These plans were predicated on a position that public drainage could not be maintained to the as-built condition without an unmanageable cost to the District and benefitted parties. That position was coupled with Comprehensive Wetland Protection and Management Plans (CWPMs) under the Wetland Conservation Act (WCA) and sophisticated computer models to predict the quantity and quality of water pre- and post-development. The approach resulted in concern from benefitted parties for drainage rights and periodic concern on the special stormwater provisions and therefore the District considered an alternative approach.

The District took a different measured approach to public drainage management (which included securing a BWSR grant). This approach included accessing the public record and functionality to adopt the As Constructed and Subsequently Improved Condition (ACSIC) of the drainage system. With the foundation of the historic drainage capacity in place, the District systematically reviews segments of the system to consider maintenance to the ACSIC. The potential wetland impacts are considered in the regulatory environment and alternatives evaluated; this includes less environmentally damaging public drainage alignments. The District has returned many segments of the public drainage system to ACSIC through this approach.

The adoption of the different CWPMs occurred over a period of time, each adoption subject to the independent concerns and political will of the subject municipalities. Many of the CWPMs and their implementing rules included slightly varying standards creating an administrative challenge and confusion within the regulated community. In 2013, the District consolidated the CWPM's implementation rules into a single rule, with unified terms and standards for wetland protection consistent among the CWPMs. The RMPs remain in place and continue to be used to guide District resource decisions, especially relative to defining contiguous wetland corridors.

The District's regulations were also amended in 2013 to eliminate the unique stormwater position for "RMP" positions of the district in favor of a single district wide standard. Yet, the stormwater treatment requirements have been fulfilled under the customary eligible stormwater treatment actions. The stormwater volume bank model was removed in the 2013 rule adjustments. The current rule includes provisions for municipalities and road authorities to

develop Comprehensive Stormwater Management Plans (CSMP). These plans, developed in close coordination with the District, provide stormwater planning opportunities for unique geographic areas. Generally, the plans are a stormwater framework for future development/redevelopment, balancing what can be unique water quality and rate control requirements for future regulatory implementation. Overall, the new approach effectively removes the RMP title while maintaining other benefits of the RMP approach.

The approach maintains the CWPMP outcome of a wetland management corridor; incentivizing a corridor establishment and a synergy that would otherwise be lost to disconnected wetland replacement. The CWPMPs include an intensive resource inventory and processes to protect the unique resource while consolidating lower quality resources into larger habitat blocks that also increases their value. Consolidating habitat also provides for larger contiguous areas for development.

The CWPMPs are valuable for balancing the District's multiple obligations including their roles as the Wetland Conservation Act Local Governmental Unit and as the drainage authority. These plans also tried to align with Army Corp of Engineers wetland regulation to achieve a higher level of regulatory uniformity. These efforts continue as the Lino Lakes CWPMP has been proposed to the Army Corp of Engineers for recognition as a Special Area Management Plan (SAMP). This effort has been underway by Lino Lakes for several years with no adoption of the SAMP by the agency. However, for all CWPMPs, the Army Corp of Engineers has communicated an effort to consider the unique local planning in review of wetland manipulation under the Clean Water Act (CWA) 404 permitting process.

The following is a list (map also provided) of the adopted CWPMPs:

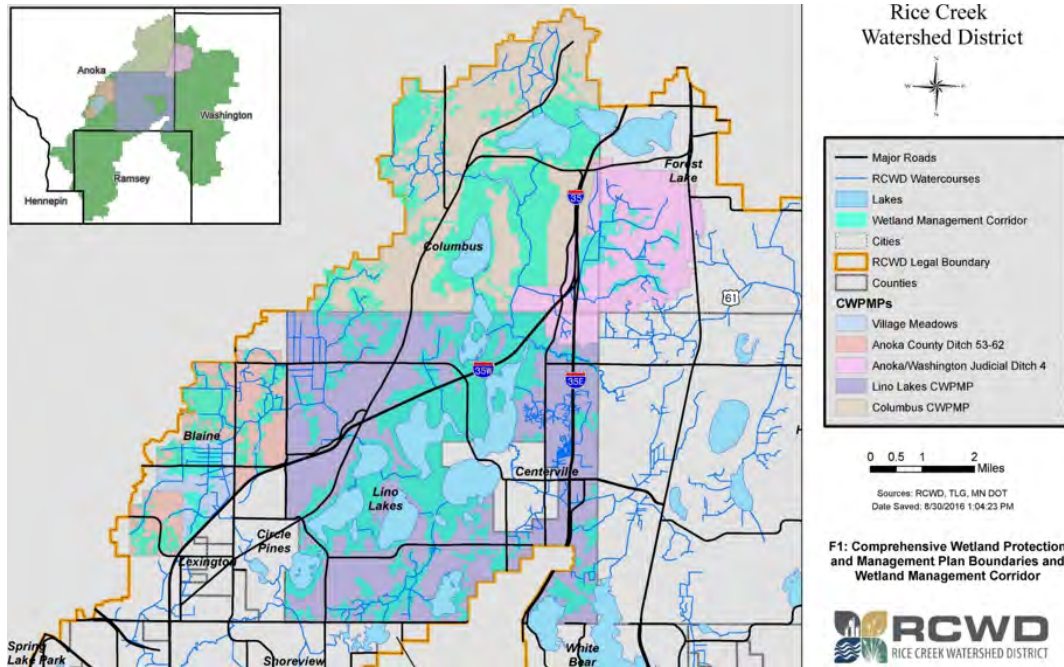
Village Meadows

Anoka County Ditch (ACD 53-62) CWPMP

Anoka-Washington Judicial Ditch 4 (JD4) CWPMP

Lino Lakes CWPMP

Columbus CWPMP



The District continues to administer the CWPMP under the permit program. This has resulted in the assembly of the wetland areas with buffers under protective covenants and easements to the District. There have been a number of development projects that found hardship in providing the required WMC buffer resulting variance situations. These variance requests were generally approved by the District. In these cases the deficient buffer was found to be a hardship and the area was not subject to stormwater runoff so water quality, erosion and similar factors were not a paramount concern.

The District successfully completed restoration of a large peat wetland complex (more than 100 acres) within the Wetland Preservation Zone called Brown's Preserve. The project included rerouting a portion of the main trunk of JD 4 around the large wetland complex to substantially reduce the nutrient load to the wetland basin and restore drainage function. In 2016, the District continued adaptive management of the site's wetland vegetation; increasing vegetative diversity and overall quality. The District also began to explore the establishment of a second wetland bank and initiated exploration of potential sites.

Recent permit applications in Lino Lakes, specifically the vicinity of Interstate 35E and Anoka County Ditch 55 & 72, uncovered complications between development and the outlet capacity

for the area. The City's comprehensive plan has the area slated for development; this would result in significant stormwater runoff. However, with the area's limited outlet, development on one parcel was modeled to result in adverse impacts to downstream parcels. The models indicate the limited outlet results in downstream parcels storing stormwater on the landscape. The City is developing a CSMP proposal to increase the outlet capacity while maintaining water quality and rate control. There has been some communication regarding the issue as the City worked with landowners on the overall planning efforts.

District Wide Model

The District worked with Houston Engineering to further develop a comprehensive hydrologic model of the District's landscape. The resultant data is essential for planning and illuminating potential future stormwater quality, rate, and capacity conditions. The district model is updated annually to incorporate new information regarding culvert elevations and similar influencing factors. The District is updating the model into different modeling software so that it has greater availability to the watershed community for use.

2017 WORK PLAN

RCWD will continue to balance their role of protecting wetlands while improving water quality balanced with land development and agricultural drainage. Staff will continue to work with communities and landowners to identify tools and opportunities while maneuvering the regulatory landscape. The District will also continue to explore the establishment of a second wetland bank.

District Wide Model

The District will continue to advance the model and digest the results to assist the district in planning for future stormwater conditions. The model update to a software version with a wider audience and understanding will be completed. It is anticipated that the model's use will likely increase.

Evaluation

Evaluation of the program is through a combination of qualitative and quantitative markers. Qualitative data comes from feedback and community engagement. While more challenging to measure, it is a driving force in the District's approach to find solutions to difficult conservation and land use concerns.

Evaluation of the program through quantitative markers is somewhat easier. Each project or activity has its own markers that include meeting stated project goals and objectives; following strategies; number served; meeting stated contractual or regulatory requirements; and fulfilling the defined outcome.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Urban Stormwater Remediation Program

Goal: Protect and enhance water resources by providing financial assistance to help municipalities and other entities incorporate water quality management practices into redevelopment, roadway, and storm sewer improvements.

2016 ACTIVITIES

The District continued implementation of its Urban Stormwater Remediation Cost-Share Program in 2016. Approximately \$205,000 was made available to assist cities, counties, school districts, libraries and other public and private entities with implementation of stormwater management projects. Six projects were initially funded, totaling \$205,000. One of these initial projects was ultimately cancelled by the applicant, and the \$30,000 in available funding was allocated to another project.

The City of Forest Lake received \$50,000 towards a treatment chamber to be installed underneath Forest Road on a major tributary to Clear Lake, commonly known as “Winnick Ditch.” The chamber will remove sediment, nutrients, heavy metals, floatable trash, and leaf litter from runoff to the lake.

The City of Hugo received \$25,708 towards the purchase of a regenerative air street sweeper. This purchase is part of the implementation of an advanced street sweeping program within the City and will have a positive effect on multiple waterbodies within the District. Hugo also received \$30,000 towards a stormwater reuse irrigation system at the Water’s Edge Townhome development. This project will conserve groundwater resources and reduce pollutant loads to Peltier Lake.

The City of Mounds View received \$19,292 towards a project to eliminate an unsightly and unstable segment of open ditch by routing the flow through a new storm sewer pipe. The ditch will also be filled. This project will reduce sediment loads to Rice Creek.

The City of Roseville received \$50,000 towards installation of a swirl separator at the Rosedale Mall. This is in conjunction with a large underground stormwater filtration and detention project being built by the mall to meet RCWD Rules for redevelopment. The project will improve the treatment capacity of the system and remove additional sediment and trash from runoff to Ramsey County Ditch 4 and Little Lake Johanna.

White Bear Township received \$31,300 to reconstruct and improve a small stormwater pond adjacent to Barry Lane. The project will provide increased sediment and nutrient removals for runoff to Bald Eagle Lake.

2017 WORK PLAN

The RCWD will make approximately \$260,000 available in cost-share funding in 2017. These funds will assist cities, counties, school districts, libraries and other public and private entities with implementation of stormwater management projects. This is in keeping with the goals and objectives outlined in its Watershed Management Plan and as part of its continued efforts to protect and enhance its water resources.

Funding will be available for projects that provide stormwater quality treatment and/or runoff volume or peak runoff rate control. *Project funding will not be available for treatment required as part of a RCWD permit and should not be a part of a new development project.* Projects proposed in conjunction with municipal street reconstruction projects or other site redevelopment projects are encouraged. Additional priority will be given to applications involving stormwater reuse irrigation projects in the 2017 funding cycle.

Evaluation

Evaluation of the program is through a combination of qualitative and quantitative markers. Qualitative data comes from feedback and community engagement. While more challenging to measure, it plays a significant role in the District's approach to finding solutions and identifying priorities for projects and funding when assisting community partners and residents.

Evaluation of the program through quantitative markers is easier. District staff are able to measure the number of applicants, objectives and project targets, and successful completion of grant-supported projects and activities. As with our internal projects targeting water quality or flood control, each selected project or activity has its own markers that include meeting stated project goals and objectives; following strategies; number served; meeting stated contractual or regulatory requirements; and fulfilling the defined outcome. The ultimate evaluation tool is the improvement of the water resource from pre-project status.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

RCWD's Water Quality Grant Program

Goal: Establish financial partnerships with private or public landowners aimed at implementing targeted small scale water quality improvement projects.

2016 ACTIVITIES

The majority of land within the RCWD is held in private ownership. Financial partnerships with private landowners are increasingly essential to the installation of projects that help to improve water quality in the District. The RCWD dedicates funds each year to this program aimed at implementing smaller-scale water quality improvement projects throughout the RCWD and in accordance with District grant policy.

In 2015, the District reviewed its Water Quality BMP Cost-Share Program to focus on targeting projects with greater benefits to the watershed. Three changes were recommended by the Citizen Advisory Committee, approved by the Board, and implemented.

1. Staff developed a packet for landowners with information about the RCWD, grants, raingardens, and other applicable information.
2. Projects with greater water quality benefits are eligible for up to \$7,500 and no more than 75% of the total project cost (this is an increase for priority projects).
3. Staff work with the conservation districts to utilize board approved plans to target areas in need of treatment.

In addition, the program was renamed to the Clean Water Grant Program, to make it more marketable. During the District's review of Watershed Management Plan, the District Staff incorporated the name change into the plan. At that time, the Board decided that "Clean Water Grant Program" was confusing with the BWSR Clean Water Land and Legacy Funds. They decided to change the name to "Water Quality Grant Program".

In 2016, staff began implementing the changes approved in 2015. Three projects were awarded the 75% funding level. In all, 11 projects were approved for funding in 2016. These were primarily stormwater infiltration projects (such as raingardens) and erosion control projects on lakeshores and streambanks.

One of the installed projects included an iron-enhanced sand filter project in the City of Roseville along the Twin Lakes Parks area; another project included a pervious driveway in Roseville. This project was uniquely beneficial due to the amount of volume the project captured, and it was within an area of known volume issues.

The total approved project implementation funding was approximately \$69,667 in 2016. The Anoka, Ramsey, and Washington Conservation Districts continue to assist the RCWD by

providing technical assistance for landowners that are interested in installing water quality improvement projects. Staff was optimistic to see that more projects were installed in 2016 compared to 2015.

2017 WORK PLAN

Approximately \$150,000 will be available for project implementation in 2017; this includes some carry-over funding from 2016. Water Quality Grant Program funding is available for a variety of activities related to improving water quality, reducing runoff volume, and enhancing ecological resources. Funding is available for installing a raingarden, stabilizing an eroding lakeshore or streambank, restoring a wetland, and implementing agricultural clean water projects. Additional innovative practices may also be considered. This program is operated through technical service agreements with the Anoka, Ramsey, and Washington Conservation Districts. The District Technician will continue to be responsible for administering this grant program.

Staff will begin actively targeting project locations and working with the conservation districts to complete sub-watershed assessments to identify the most cost-effective water quality projects in identified areas. Staff will also reach out to landowners in the more rural parts of District to expand the quantity and type of projects being funded through the program. Additionally, staff will communicate with landowners that have expressed an interest in installing projects in the past but declined to participate (due to the 50% funding cap).

The District is also working on a small-scale (or mini-) grant program to incentivize plantings for clean water on the landscape level. The goal is to encourage practices at any scale and engage all landowners in the watershed. This project would be administered in concert with the education and outreach efforts of the RCWD.

Evaluation

As with the Urban Stormwater Remediation Program, evaluation of the program is through a combination of qualitative and quantitative markers. Qualitative data comes from feedback and community engagement. While more challenging to measure, it plays a significant role in the District's approach to finding solutions and identifying priorities for projects and funding when assisting community partners and residents.

Quantitatively, District staff are able to measure the number of applicants, objectives and project targets, and successful completion of grant-supported projects and activities. As with our internal projects targeting water quality or flood control, each selected project or activity has its own markers that include meeting stated project goals and objectives; following strategies; number served; meeting stated contractual or regulatory requirements; and fulfilling the defined outcome. The ultimate evaluation tool is the improvement of the water resource from pre-project status. The program is evaluated annually with the Citizen Advisory Committee and the Board of Managers.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.



Photo: Implementation of a Water Quality Grant

Groundwater Management

Goal: Incorporate groundwater considerations into the decision-making process with mindfulness of the interconnectedness of water and water-dependent natural resources.

2016 ACTIVITIES

The RCWD continued to work with cities and counties to develop and refine groundwater management plans to ensure groundwater conservation. Vulnerable areas that have been identified in municipal WHPPs are also considered during the permit review process when examining the feasibility of using infiltration to achieve required stormwater management goals. Conversely, the RCWD works to ensure that infiltration is not strictly banned from use in these areas without information to support the restriction of infiltration practices.

As part of an on-going review process with new and/or updated Local Surface Water Management Plans, the RCWD worked with municipalities to ensure that groundwater conservation is a component of each plan. RCWD created a local water plan checklist for communities. It requires that groundwater protection and stormwater management conflicts be addressed in local water plans (if present). These areas could include DWSMA areas where the stormwater management requirement of infiltration conflicts with groundwater protection.

Bald Eagle Lake Watershed Stormwater Re-use/Phosphorus Reduction Project

2016 marked the second full year of operation for the stormwater reuse irrigation project at the Oneka Ridge Golf Course. Unfortunately, major mechanical issues caused the system to be down for maintenance for a majority of the operating season. An assessment is underway this winter and the project partners are committed to ensuring the system is up and running for the 2017 season. This project received a \$497,100 BWSR Clean Water Fund grant to assist with project implementation in 2012.



Stormwater Reuse for Irrigation Assessment Methodology

The RCWD also completed the development of the Stormwater Reuse for Irrigation Assessment Methodology (reuse assessment). The reuse assessment is a watershed-scale planning process that identifies potential stormwater reuse for irrigation project locations based on technical feasibility and prioritizes them based on qualitative criteria. Qualitative criteria can be adjusted to reflect local goals. The reuse assessment was applied within the Rice Creek Watershed District to determine which potential project locations would result in the greatest reductions in groundwater use. The top 11 sites were field-verified, and concept design and cost estimates were developed for the confirmed priority sites.

Following field verification, the methodology was improved based on lessons learned throughout the development process. The RCWD submitted the final report containing the Stormwater Reuse for Irrigation Assessment Methodology to BWSR and posted it on the RCWD website in December 2016. The RCWD views this project as a critical step towards addressing the growing concerns about regional groundwater management. This project was fully funded by a \$105,000 grant from the Minnesota Board of Water and Soil Resources (BWSR) through the Clean Water, Land, and Legacy Amendment.

Groundwater Planning & Management Activities

The RCWD continues to participate as requested in coordination activities related to implementing county and municipal groundwater plans and projects.

2017 WORK PLAN

The RCWD will continue to work with municipalities to ensure that groundwater protection and conservation are components of new/updated local water plans. The District will review the identification of groundwater sensitive and groundwater dependent natural resource areas, groundwater discharge and recharge areas, and potential land use areas affecting groundwater in new / updated local water plans. Additionally, the District will ensure communities located within the North and East Metro Groundwater Management Area include groundwater conservation and protection strategies in their local water plans and that information is consistent with the appropriate county's groundwater management plan (if applicable).

Bald Eagle Lake Watershed Stormwater Re-use/Phosphorus Reduction Project

Repairs will begin in early spring 2017 to ensure the system is operational. The RCWD will continue to monitor pumping rates and water quality through 2019 to assess the project's effectiveness and improve operational efficiency. The Oneka Ridge Golf Course is responsible for day-to-day operation and maintenance of the project.

Stormwater Reuse for Irrigation Assessment Methodology

RCWD staff will continue to perform outreach related to the reuse assessment and pursue possible stormwater reuse partnership opportunities. A workshop will be held in March 2017 to provide technical training on how to use the reuse assessment. The reuse assessment is available for use by other watersheds and regional entities statewide.

Evaluation

Evaluation of the program is through a combination of qualitative and quantitative markers. Each component has its own markers that include meeting stated project goals and objectives; following strategies; number served or projects implemented; meeting stated contractual requirements; and fulfilling the defined outcome. Through the local water planning process, each plan will be evaluated against criteria that includes groundwater management. Qualitative data comes from survey forms and feedback and engagement in workshops, meetings, and programs. The ultimate evaluation tool is the improvement of the water resource and conservation of groundwater from pre-implementation status.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Wetland Management

Goal: Manage wetlands in a manner, which improves diversity and ecological integrity on a District-wide basis, consistent with the Wetland Conservation Act and local opportunities for preservation, enhancement, and restoration, while balancing multiple resource issues.

2016 ACTIVITIES

Strategies

The RCWD is the Local Government Unit (LGU) and administers the Wetland Conservation Act (WCA) and local wetland regulations. The District:

- Utilizes the WCA Technical Evaluation Panel (TEP) in the discussion of wetland issues and review of wetland applications;
- Notices the TEP as required but also consults with the TEP on wetland applications in the Comprehensive Wetland Protection and Management Plan (CWPMP) areas;
- Monitors reference wetlands to determine hydrologic regimes under a variety of circumstances and uses data to refine wetland management in other areas; and
- Restores degraded wetlands in areas determined as high public value based on CWPMPs.

The RCWD contains 27,500 acres of wetland. These areas are protected and regulated by the WCA. The RCWD has undertaken significant efforts to conserve the highest quality wetlands and enhance the wetland resource throughout the District. This effort includes administration of WCA, a local wetland rule based on CWPMPs under WCA.

The goal of these plans is to maintain and improve the quality, quantity, and biological diversity of wetland resources within the RCWD through the prioritization of existing wetlands and the strategic selection of replacement sites.

The purpose of developing a plan is

- To provide a watershed and ecosystem-based framework for making wetland impact and replacement decisions that meet state standards and locally identified goals
- To support the sustainability or improvement of wetland resources in the watershed

The CWPMPs are a significant factor in the District's response to anticipated future development by identifying resource corridors in which to promote the restoration, preservation, and addition of wetlands as a cohesive unit. These plans are discussed in-depth in the Land and Water Conservation section found earlier in this report. The work plan and evaluation are also included in Land and Water Conservation Section.

Drainage Systems & Creek Maintenance

Goal: Manage and operate the public drainage system legally established rights consistent with state statutes and to manage and use waterways in a manner that recognizes the origin of the system (e.g., constructed vs. natural), the interconnectedness of resources, and present and future conveyance needs.

2016 ACTIVITIES

Strategies

- Four full and nine partial system inspections and twenty-two maintenance projects were completed in 2016
- The District received a Clean Water Fund grant in 2014 to develop a drainage system database which allows for more detailed technical and financial tracking as well as mobile data entry and retrieval
 - Work on implementing this database and developing a detailed drainage system inspection process ensure more effective and timely maintenance
- Repair memos were completed for:
 - Anoka-Ramsey Judicial Ditch #1, Branch #4
- Repair/Investigative memos were completed for:
 - Anoka-Ramsey Judicial Ditch #1, Branch #5
 - Washington Judicial Ditch #2, Branch #1

Washington County Judicial Ditch (JD) 2 Maintenance Program

This program was developed in accordance with the Memorandum of Understanding between the RCWD and the City of Hugo allowing Hugo to assume the responsibility for maintenance of JD 2 with costs to be reimbursed by the RCWD up to \$40,000 annually. An extension of this program was signed at the end of 2016 and runs through 2021. Continued maintenance work is planned for 2017.

Public Drainage System Inspection, Maintenance, and Repair Program

The purpose of this program is to inspect, maintain, and repair the public drainage systems within the RCWD. The responses to requests for maintenance and the preparation of an annual inspection report are completed through this program. This program includes completing technical analyses and related activities associated with maintenance requests, the completion of repair reports, and repair of the drainage system.

2017 WORK PLAN

Public Drainage System Inspection, Maintenance, and Repair Program

The purpose of this program is to inspect, maintain, and repair the public drainage systems within the RCWD. The responses to requests for maintenance and petitions in addition to the preparation of an annual inspection report are completed through this program. **(Photo at right and below of public drainage system.)**



Repair Reports

The District plans to complete a repair report for WJD #2 Branch #1 in 2017. Repair reports are part of the RCWD's continuing effort to refurbish the District's aging drainage system to meet the demands of the twenty-first century.

Inspection and Maintenance Program

The District plans to inspect those systems identified in the adopted Public Drainage Inspection plan in 2017. Several maintenance projects are planned with additional projects initiated on an as requested basis.

Evaluation

Evaluation of the program is through a combination of qualitative and quantitative markers.



Qualitative data comes from feedback and community engagement. While more challenging to measure, it plays a significant role in the District's approach to prioritizing projects and funding in the Drainage System and Creek Maintenance program.

District staff are able to evaluate or measure the program quantitatively by the number of miles maintained or improved. As with our internal projects targeting water quality or flood control, each selected project or activity has its own markers that include meeting stated project goals and objectives; following strategies; number served; meeting stated contractual or regulatory requirements; and fulfilling the defined outcome. The ultimate evaluation tool is the improvement of the water resource from pre-project status.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

District Facilities Operations and Maintenance Program

Goal: Construct, maintain, and operate facilities owned or operated by the District in accordance with their resource management purposes and gauge their effectiveness over time.

2016 ACTIVITIES

Strategies

Water resource management facilities such as water level control structures, water quality treatment facilities, and fish barriers are owned and operated by the District. The RCWD also holds easements on, and is responsible for, the operation and maintenance of the Walls/Taylor Wetland Bank as well as other properties owned by the District. The Public Drainage Inspector is responsible for the inspection, maintenance, repair, and operation of these facilities. Minor repairs of berms and spillways within the Walls/Taylor Wetland Bank were completed in 2016.

The District Facilities Maintenance Program, established by the Board of Managers, addresses the need to maintain and repair facilities owned and operated by the District, which are not public drainage systems. Many of these facilities were constructed during the late 1980's as a part of the Long Lake Chain of Lakes Clean Lakes Project. Important aspects of this program include conducting an inventory of facilities and providing documentation which will become part of a long-term record, assessing work that has been done and what repairs are needed, and developing operating plans and procedures. In 2016, major maintenance was performed on the E2 wetland weir and water control structure, involving the removal of floating vegetation that had clogged the outlet.

Efforts in this section manage:

- District-owned facilities subject to Municipal Separate Storm Sewer System (MS4) program requirements consistent with permit conditions and facilitate data sharing among public entities within the District, subject to MS4 program requirements
- District-owned facilities in accordance with the original design purposes
 - Purposes are periodically reviewed and operations modified in consideration of current resource management objectives
- District-owned properties and easements in accordance with prescribed management plans.

2017 WORK PLAN

District Facilities Inspection, Maintenance, and Repair Program

Through this program, staff will continue to inspect, maintain, and repair facilities, easements, and property owned and operated by the District. A record of the inspection of RCWD facilities is created yearly.

The Hall's Marsh Outlet is scheduled for repair in 2017.

Evaluation

As with the Drainage Systems and Creek Maintenance, evaluation of the program is through a combination of qualitative and quantitative markers. Qualitative data comes from feedback and community engagement. It plays a significant role in the District's approach to prioritizing projects and funding in the Drainage System and Creek Maintenance program.

District staff evaluate or measure the program quantitatively by the number facilities that require and are inspected, maintained, and repaired. This information is recorded and reported to the Board of Managers annually. Ultimately the program is evaluated by the working condition of District facilities.



Photo Above: E2 Weir prior to maintenance (05/2016)

Photo at Right: E2 Weir after maintenance (08/2016)

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.



Information Management

Goal: RCWD information systems will enable staff and landowners to access data to enhance conservation efforts.

2016 ACTIVITIES

Strategies

- Maintain effective computer network capabilities.
- Develop, maintain, and enhance information management system(s) for recording natural resource data gathered by the RCWD in databases accessible to staff and partners.
- Maintain and refine an archival system for RCWD files.

Actions:

- Continued effective information management program working with the vendor, Computer Revolution.
 - Activities included upgrade to new server backup service Veeam Solutions and day-to-day technical support.
- Continued to organize, update, prioritize, and close out historic permit files.
- Continued to maintain and update the District's permit and inspection databases.
- Continued to maintain and update the District's online mapping systems for recording, editing, and managing hydrologic, ditch, and permit/review file information.
- Completed development of the new public drainage system inspection plan and database.

Website

The goal of the RCWD website is to provide information about District programs, projects, and educational initiatives in a way that is easily accessible to the public. Website features include staff and board contact information, project details and photos, an events calendar, the District's current rules and guidance documents for permittees, and the Ditch Portal which provides comprehensive data and records about our public drainage system, and much more.

Laserfiche (Digital Document Storage)

Laserfiche is a document management system which serves as the centralized location for the District's official records. All documents relating to permit applications and inspections as well as other regulatory activities are stored in Laserfiche. Storing records in a digital format allows staff and the District's consulting engineer to access the most up-to-date information with relative ease. It also saves the District money because file storage can be costly.

PermitViewer (GIS)

PermitViewer is a web-based interactive map used by RCWD staff to identify project locations associated with new permit applications and review files. Additional information available in PermitViewer includes aerial photography, land use data, hydrography data, soils data, Rule boundaries, LiDAR contours, District-wide hydraulic and hydrologic model information, etc. The goal is to ensure that these databases will encompass long-lasting, accessible data that is and will continue to be an important asset as the District grows.

2017 WORK PLAN

The RCWD continues to modernize and utilize the permit database as a centralized location for permit tracking information. The permit and inspection databases streamline the communication process with permit holders and contractors.

Staff will continue to manage the data storage, processing, and distribution of information to create efficiencies and promote data-sharing between cities, developers, and citizens within the District. The new (completed) public drainage system inspection database affords the Drainage Inspector more efficient record-keeping capabilities.

Staff will continue working towards the goal of developing a better tracking system for the Water Quality Grant Program in the form of a database either alongside of or integrated with the permit database to aid in tracking and maintenance inspections (staff are currently using GIS/Microsoft Excel to track grant program activities).

Evaluation

The program will be evaluated through the implementation of the following:

- Increase the volume and accuracy of the information contained in the permit and inspection databases to allow for more efficient regulatory program delivery.
- Increase the use of the drainage system inspection database to effectively prioritize and target ditch maintenance activities.
- Increase distribution and use of the District-wide hydraulic and hydrologic model information to City and County partners for use in local water planning process.

Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

Local Water Plan Adoption

Goal: Assist communities in writing local water plans and comprehensive plans to be consistent with State statutes and District requirements in a manner that effectively integrates land use and water resources management.

2016 Activities

Rice Creek Watershed District (RCWD) amended its 2010 Watershed Management Plan to include the revised amendment procedures in the recent update to MN Rule 8410 and MN 103B.235, and to highlight water reuse. The Minor Amendment to the Watershed Management Plan was adopted on November 9, 2016. RCWD met with cities on April 19, 2016 and December 14, 2016 to communicate to cities and community partners how the rule changes affect RCWD’s Watershed Management Plan and their local water plans. At both partner meetings, the District provided an overview of the local water planning changes, resources for writing local water plans, and an overview of the District’s new model that highlights future conditions in the watershed.

Due to the recent changes to MN Rules 8410 and 103B.235, all communities within RCWD need to update their local water plans prior to December 31, 2018 and incorporate their plans as a chapter of their comprehensive plan. RCWD created staggered submittal deadlines to aid in the District’s timely review of plans from 28 cities. Cities signed up for their preferred deadline on April 19, 2016. If a city didn’t choose their preference, the District assigned the city a deadline.

Local Water Plan Deadlines for Cities within RCWD

<u>March 31, 2017</u>	<u>August 31, 2017</u>	<u>January 31, 2018</u>	<u>July 31, 2018</u>
Birchwood Village	White Bear Lake	Forest Lake	Shoreview
Grant	Roseville	Lauderdale	White Bear Township
Mahtomedi	New Brighton	Lexington	Columbus
Willernie	Falcon Heights	Fridley	Blaine
	Columbia Heights	Arden Hills	Spring Lake Park
	St. Anthony	Scandia	Centerville
	Hugo	Circle Pines	Mounds View
	Dellwood	Lino Lakes	May Township

2017 Work Plan

The RCWD will meet with several cities in the March 31 and August 31, 2017 deadline blocks in early 2017. This includes the cities of Birchwood Village, Mahtomedi, Dellwood, Willernie, and White Bear Lake. The purpose of the meetings will be to discuss the local water plan submittal requirements and how those requirements apply to their city. Potential problem areas and project opportunities with the District will also be discussed. The District will continue holding

meetings with cities throughout the year and as deadlines approach to aid with local water planning and discuss partnership opportunities.

Based on the response from the 2016 community partner meetings, RCWD will host at least two workshops for cities to further discuss local water planning and the District's new model developed by Houston Engineering. The workshop will provide additional resources and assistance to communities preparing their local water plans. RCWD will encourage attendees to set up individual meetings with the District to address local water planning for their community and specifically any problem areas or opportunities that could be highlighted in the plans.

RCWD set (and met) the following goals 2016:

1. Amend RCWD's 2010 Watershed Management Plan to reflect updates to MN Rules 8410 and 103B.235

RCWD completed an amendment to the 2010 Watershed Management Plan (WMP) in 2016. The plan amendment was approved and determined to be a minor amendment by the Board of Water and Soil Resources on October 31, 2016. Final approval of the minor amendment by RCWD's Board of Managers was on November 9, 2016. The WMP was amended reflect the new local water plan timeline and plan amendment process from the MN Rule 8410 and MN 103B.235 updates and include updates to the RCWD boundary, RCWD grant programs and projects, and the addition of stormwater reuse as a project option.

2. Create a review process for local water plan submittals from 28 cities.

RCWD created a staggered local water plan submittal deadline for the 28 cities within RCWD. Cities were given a sign-up sheet to choose which deadline they would prefer. (The staggered deadline can be found earlier in this section.)

3. Meet with cities in spring of 2016 to discuss MN Rule changes and local water plan submittal process.

RCWD held a City – County Partner Meeting on April 19, 2016. Cities were presented with information about the MN Rule changes, how the changes affect their local water plans and RCWD's Watershed Management Plan, and RCWD's proposed staggered local water plan submittal deadline. A second City – County Partner Meeting was held on December 14, 2016 and included local water planning.

Evaluation

RCWD's 2017 goal is to receive and review local water plans from 12 cities. To meet this goal, the District will complete and evaluate the following steps:

1. Email cities at least four months prior to an upcoming submittal deadline to offer a meeting on local water planning, and to send a reminder of the deadline.
2. Call cities who haven't responded to an email to ensure they are aware of their deadline and the willingness of the District to meet.
3. Send a reminder letter to cities of their submittal deadline and RCWD's willingness to meet, if an email or phone call didn't result in a response.
4. Plan one local water planning workshop for communities with 2017 submittal deadlines to provide planning assistance and resources.
5. Plan one local water planning workshop for communities with 2018 submittal deadlines to provide planning assistance and resources.

The District will measure success through the completion of these 2017 workplan tasks. Additional evaluation of programs and development of evaluation strategies will take place during the process of updating the RCWD's Watershed Management Plan.

ITEMS REQUIRING BOARD ACTION

2. Consider Water Quality Grant Program-Master Water Steward Project: A17-03 Redeemer Lutheran Church – Rain Garden. (Samantha Berger)

MEMORANDUM

Rice Creek Watershed District

Date: March 29, 2017
To: RCWD Board of Managers
From: Samantha Berger, District Technician
Subject: A17-03 Redeemer Lutheran Church – Rain Garden
RCWD Water Quality Grant Program (Master Water Stewards Project)

A17-03 Redeemer Lutheran Church Raingarden

- Location: Redeemer Lutheran Church, 61 Mississippi St NE, Fridley, MN
- Project Type: Parking lot/Street Rain Garden;
- Estimated Cost: \$4,440
 - Estimated RCWD Grant: 75% funding not to exceed, \$3,330
 - Estimated Church Involvement: \$1,110 (~25%)
 - City Involvement: Excavation, tree removal, disposal of fill, till in compost, curb-cut apron

BACKGROUND

This project proposes the installation of a raingarden at Redeemer Lutheran Church in Fridley. The project will remove an existing boulevard to make room for a curb-cut raingarden that will treat runoff generated from the parking lot and the street. The project is tributary to Locke Lake which is Tier III waterbody in the RCWD Watershed Management Plan.

This project was pursued by the RCWD Master Steward, Paul Westby who is participating in a water stewardship program. Paul Westby is a resident of Fridley who is also a member of the City of Fridley Environmental Quality Board. As part of the program, they are required to help install a water quality improvement project and come up with an education and outreach plan, such as signage, associated with the project.

The City of Fridley has a program where they will help excavate a raingarden within the City Right of Way. The City will participate in this project by excavating the basin, removing fill, removing trees (existing Ash), tilling in compost, pouring curb-cut and apron. The Church will help with the installation of the rain guardian pretreatment chamber and with cost of plantings and materials. The Church has community members who are willing and able to help with this work. RCWD Water Quality Grant program will reimburse work, in-kind, by paying \$10 an hour for unskilled labor and \$20 an hour for skilled labor.

The project will treat a large amount of impervious surface (2.42 acres) that would be otherwise left untreated. In addition, the project is in a highly visible area that would help provide education on the importance of water quality for those people visiting the church and the nearby park.

The Anoka Conservation District prepared a bid for the project totaling approximately \$4,440.

PROJECT BENEFITS

- Reduce volume of runoff and pollutants entering into Locke Lake and the Mississippi River
- Educate the public on behavioral changes that can be made to improve water quality
- Beautify the space

This proposal was considered by the RCWD Citizen Advisory Committee at its meeting held on April 5, 2017. The CAC discussed the application and passed a motion recommending that the RCWD Board of Managers approve this project for up to \$3,330 in cost-share funding, not to

MEMORANDUM

Rice Creek Watershed District

Exceed 75% of eligible project expenses.

RECOMMENDATION

RCWD's Citizen Advisory Committee and Staff recommend that the RCWD Board of Managers approve Water Quality grant funds for the Redeemer Lutheran Church raingarden project.

Proposed motion: Manager _____ moves to approve RCWD Water Quality Grant Program Contract A17-03 for the Redeemer Lutheran Church rain garden project, up to \$3,330 and not to exceed 75% of eligible project expenses, in accordance with established program guidelines.



MEMO

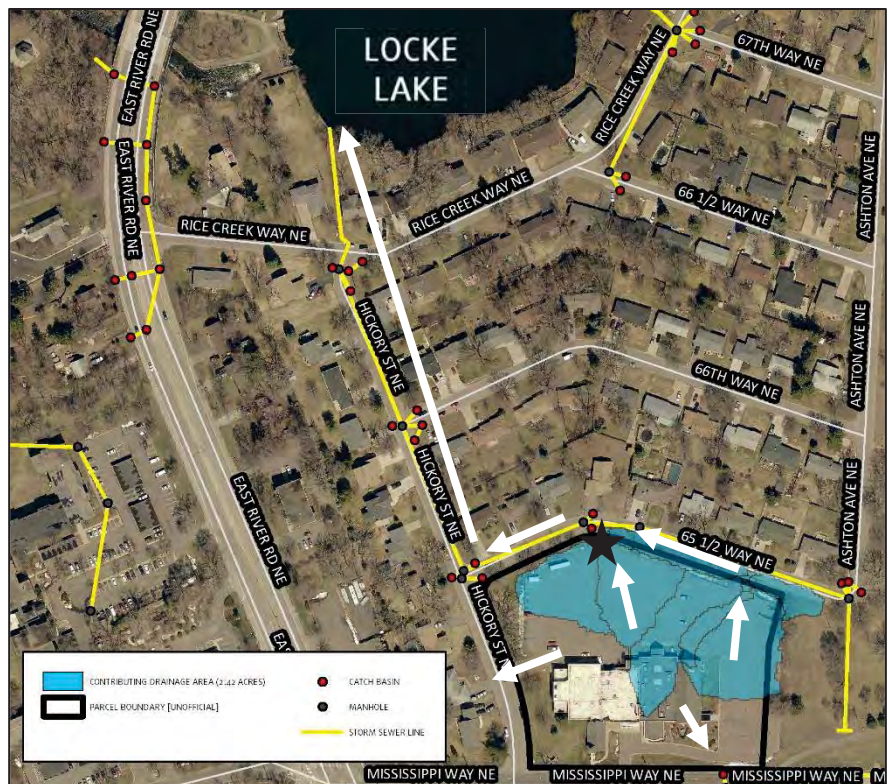
To: RCWD Board of Managers
From: Mitch Haustein, Conservation Specialist
Date: April 17, 2017
Re: Water Quality Grant Program Application – Curb-Cut Rain Garden, Redeemer Lutheran Church, Fridley

The following summarizes the RCWD Water Quality Grant Program application to install a curb-cut rain garden on the Redeemer Lutheran Church property in Fridley.

Project Description:

This potential project is the result of Master Water Steward Paul Westby’s efforts to implement a water quality project and fulfill the requirements associated with the Master Water Steward program. Without Paul’s efforts to engage the church about a potential project, this opportunity would not be possible.

Redeemer Lutheran Church is located in Fridley north of Mississippi Way NE and east of East River Rd. NE. The campus sits on 4.25 acres approximately 0.15 miles south of Locke Lake. The property includes three distinct drainage areas that each ultimately drain to Locke Lake without receiving water quality treatment. The catch basin located at the north-central point of the campus on 65 ½ Way NE receives runoff from the largest of the three drainage areas and is the point of interest for this application. A curb-cut rain garden at this location could receive runoff from 2.42



acres, which is predominantly parking lot (1.8 acres). The location, which is currently mowed turf grass, has been viewed during a rain event to confirm a significant volume of runoff drains to the catch basin. The map above shows the potential contributing drainage area (light blue shaded area) to a curb-cut rain garden (black star) as well as the larger-scale flow patterns (white arrows) toward Locke Lake through existing stormwater infrastructure.

A curb-cut rain garden at the proposed location will intercept runoff before it is able to enter the catch basin. While site constraints restrict the maximum size of the basin, the proposed size is substantial yet manageable from a maintenance perspective and will provide significant volume and pollutant reductions. The proposed curb-cut rain garden will have a ponding area of 492 SF and a bottom area of 267 SF, which results in a storage volume of 372 CF with 3:1 (horizontal:vertical) side slopes. At the request of the Church, the rain garden will not include a retaining wall. WinSLAMM model estimates are shown in the table below.

	Volume (AC-FT/YR)	TSS (LBS/YR)	TP (LBS/YR)
Existing Conditions	3.15	1090	1.995
Proposed Conditions	2.04	682.3	1.254
Reduction	1.11	407.7	0.741
% Reduction	35.4%	37.4%	37.1%

Not only does this proposed location provide treatment for the largest drainage area possible on the campus, it is also positioned at a primary entrance/exit for the church parking lot. The curb-cut rain garden will serve as an aesthetically pleasing feature at a location with high public visibility. The operations and maintenance agreement will be fulfilled by Church members and the facility grounds crews.

Expense Summary:

Significant cost savings are possible on this project due to efforts by both the City of Fridley and Redeemer Lutheran Church members. The City of Fridley has agreed to provide much of the labor necessary to complete the project. The City will provide tree and shrub removal, excavation and disposal of fill, tilling of compost throughout the basin, curb-cut and apron repour, and regrading of the gutter and asphalt to ensure runoff will enter the rain garden. Church members plan to plant the rain garden. The remaining costs eligible for the Water Quality Grant Program are summarized below; additional details are available in the contractor cost estimate.

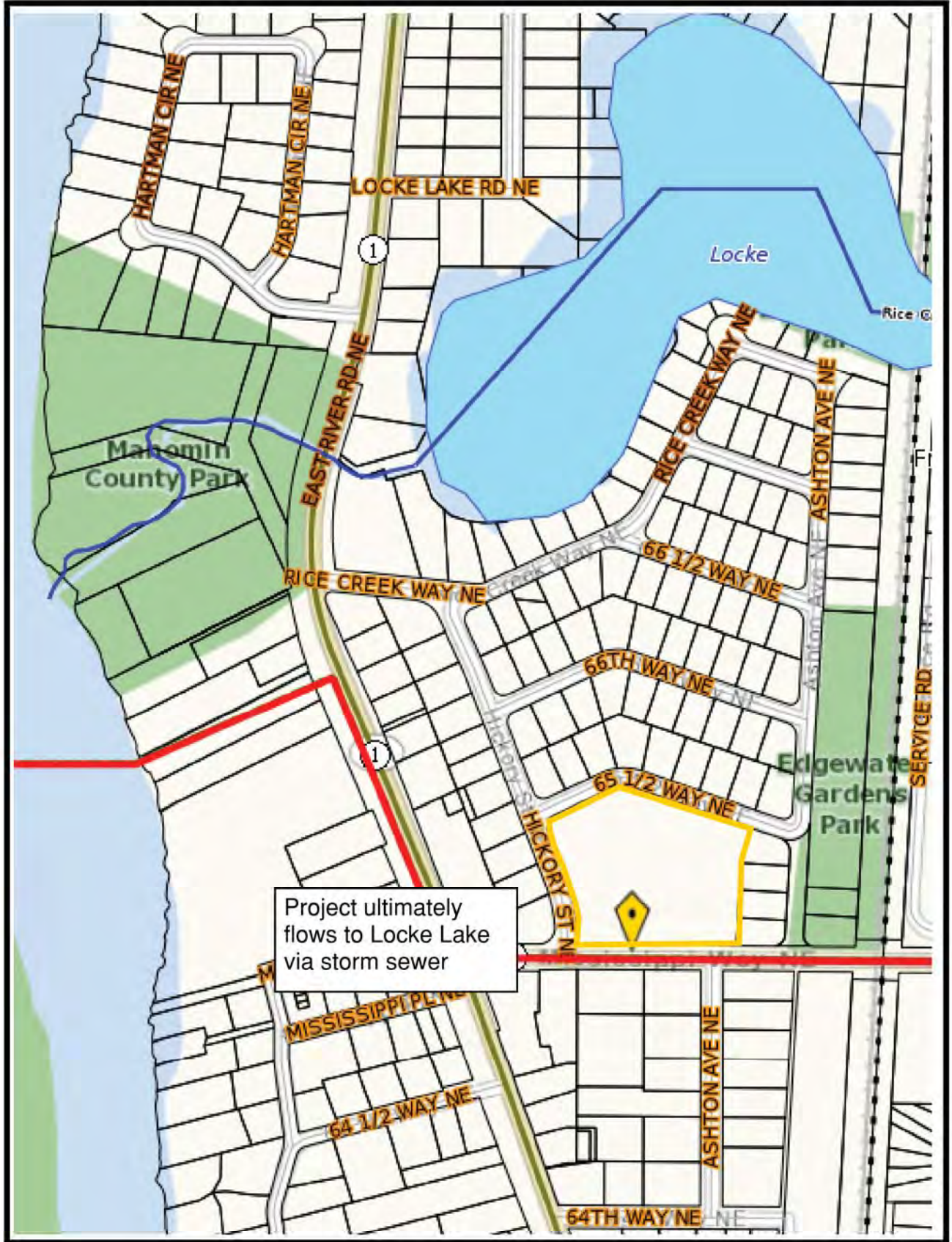
Item	Estimated Expense (+10% Contingency)	Max Grant (75%)	Amount Recommended
Materials	\$ 2,208.64	\$ 1,656.48	\$ 1,656.48
Plants	\$ 734.80	\$ 551.10	\$ 551.10
Labor	\$ 649.00	\$ 486.75	\$ 486.75
Delivery and Mobilization	\$ 847.00	\$ 635.25	\$ 635.25
TOTAL	\$ 4,439.44	\$ 3,329.58	\$ 3,329.58

Staff Notes:

Landowner in-kind contribution will be accepted and valued at \$10/hour for unskilled labor and \$20/hour for skilled labor at the discretion of ACD. Landowner labor will only serve as in-kind match funding and shall not be reimbursed. Reimbursement may not exceed the cost of eligible purchased supplies and materials and contracted labor. Any alterations to the project plan must be approved by ACD in order to be eligible for reimbursement.

Recommendation:

Approve Water Quality Grant Program application for cost-share up to \$3,330.00.



Project ultimately flows to Locke Lake via storm sewer

- Project Location
- District Boundary
- Public Waterway

Legend

- Public Ditch - Open Channel
- Public Ditch - Stormsewer
- Public Ditch - Municipal
- Public Ditch - Tile
- Private Natural Waterway
- Private Ditch












PROPOSED PROJECTS

ID	PROJECT TYPE	SIZE [SQ-FT]	COST ESTIMATE*	ESTIMATED GRANT AWARD	ESTIMATED LANDOWNER COST	AFFECTED WATER BODY	CLEAN WATER BENEFIT
A	CURB-CUT RG	582	\$15,132	\$11,349 [75%]	\$3,783	LOCKE LAKE	SEDIMENT/PHOSPHORUS/VOLUME
B	CURB-CUT RG	340	\$8,840	\$6,630 [75%]	\$2,210	LOCKE LAKE	SEDIMENT/PHOSPHORUS/VOLUME
C	CURB-CUT RG	361	\$9,386	\$7,039 [75%]	\$2,347	LOCKE LAKE	SEDIMENT/PHOSPHORUS/VOLUME
D	ROOFTOP DISCONN. RG	75	\$1,125	\$843 [50%]	\$282	LOCKE LAKE	SEDIMENT/PHOSPHORUS/VOLUME

*ESTIMATE BASED ON \$26/SQ-FT FOR CURB-CUT AND \$10/SQ-FT FOR ROOFTOP DISCONNECT. OMISSION OF A RETAINING WALL WILL REDUCE COST. LABOR PROVIDED BY CITY WILL REDUCE COST.

LEGEND

	CURB-CUT RAIN GARDEN		PARCEL BOUNDARY [UNOFFICIAL]		CATCH BASIN
	ROOFTOP DISCONNECT RAIN GARDEN		2' ELEVATION CONTOUR		MANHOLE
			10'		STORM SEWER LINE
			2'		

NOTES

CONCEPTUAL DRAWING FOR REFERENCE USE ONLY

DISCLAIMERS:

1. COST-SHARE FUNDING NOT TO EXCEED 75%, CAPPED AT \$7,500 PER PROJECT
2. COSTS AND PERCENTAGES ARE ESTIMATES, FUNDING IS DEPENDENT ON APPROVAL BY THE RCWD BOARD OF SUPERVISORS

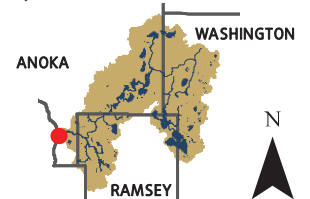


CLEAN WATER PLAN

PROPERTY OWNER:
REDEEMER LUTHERAN CHURCH
ADDRESS:
61 MISSISSIPPI WAY NE
FRIDLEY, MN 55432

DATE: 05/12/2016
CLEAN WATER PLAN PROVIDED BY:
RICE CREEK WATERSHED DISTRICT [RCWD] &
ANOKA CONSERVATION DISTRICT [ACD]

PROJECT LOCATION WITHIN WATERSHED:



N



Water Quality Grant Program Project Screening Form

Project / Landowner Name: Redeemer Lutheran Church	Affected Water Body: Rice Creek
Project Address: 61 Mississippi Way NE	City: Fridley
County: <input checked="" type="checkbox"/> ANOKA <input type="checkbox"/> RAMSEY <input type="checkbox"/> HENNEPIN <input type="checkbox"/> WASHINGTON	Project Type(s): Curb-cut Rain Garden
Application Date: 04/19/2017	Project Effective Life: 5 years
Violation or Permit Requirement: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Reviewer: Mitch Haustein

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

1. Connectivity to Water Body

a. Is the project tributary to a PCA-listed impaired water (not mercury) or a RCWD Tier I or Tier II waterbody?

(NO) 1 2 3 4 5
(YES, within Subwatershed) (YES, Direct Connection)

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

0 1 2 3 4 5
(NO) (YES, within Subwatershed) (YES, Direct Connection)

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

0 1 2 3 4 5
0% Impervious 50% Impervious 100% Impervious

Comments: _____

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

0 1 2 3 4 5
No Infiltration/Filtration Filtration Infiltration

Comments: _____

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

0 1 2 3 4 5
No Erosion Visible Erosion
No Sediment Capture Sediment Capture

Comments: _____

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

0 1 2 3 4 5
Not Connected to Wildlife Corridor Connected to Wildlife Corridor

Comments: _____

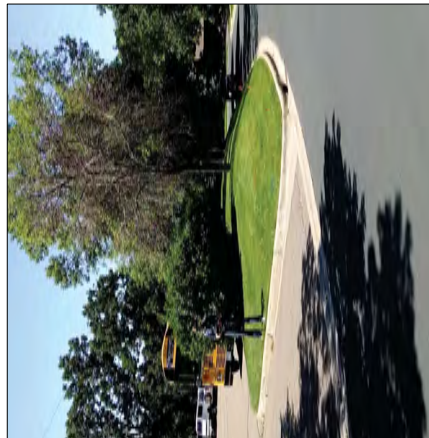
6. Public Outreach: Willingness of applicant to allow signage, tours and site visits. Publically visible site. Diversity of practices.

0 1 2 3 4 5
Low Public Visibility Moderate Public Visibility High Public Visibility

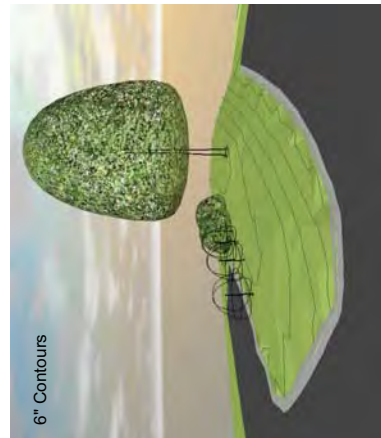
Comments: _____

Total Score: 26
Minimum Eligibility = 15

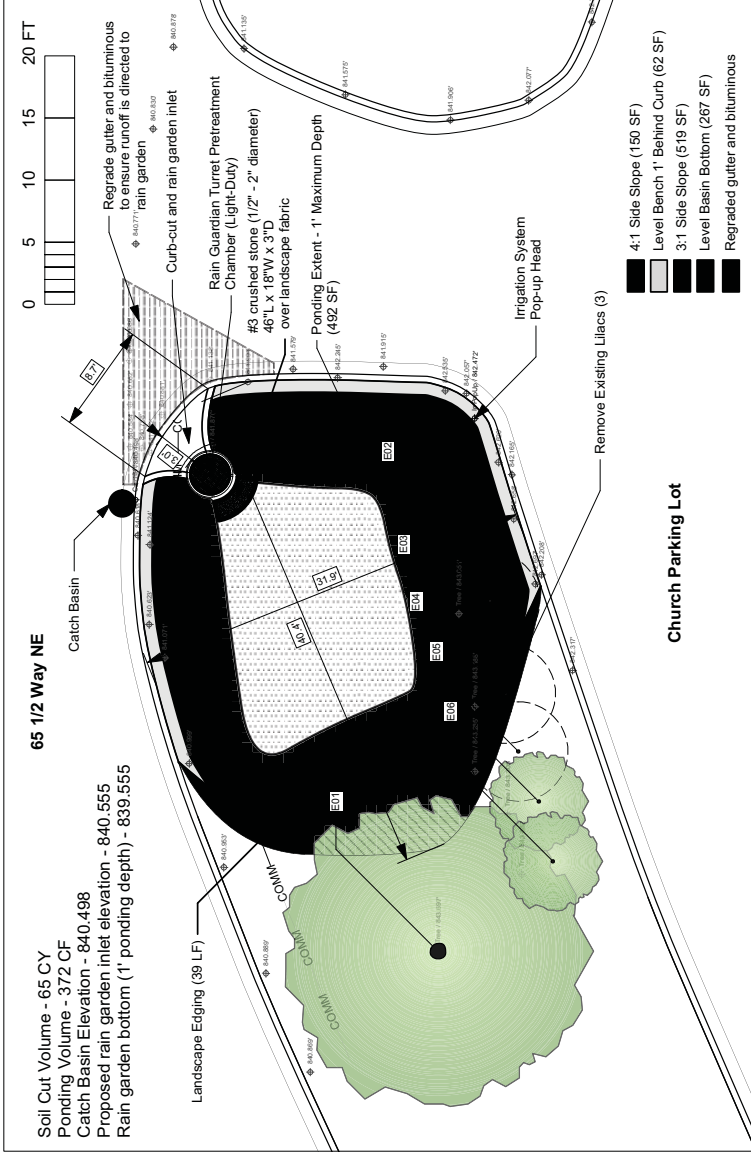
Existing Conditions Notes:
 1. Stormwater runoff from the existing parking lot and nearby road areas (2.42 acres) currently drains to the catch basin located at the northwest entrance to the church parking lot. Once runoff enters the storm sewer system, it flows north where it is discharged untreated into Rice Creek.



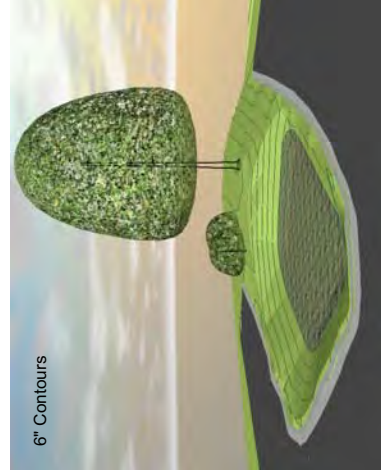
EXISTING CONDITIONS PHOTO



EXISTING CONDITIONS 3D



PROPOSED CONDITIONS PLAN VIEW



PROPOSED BASIN SIZE 3D

Proposed Conditions Notes:

- Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
- Protect or move all existing utilities from damage, including existing irrigation system lines and heads.
- Avoid non-tracked equipment over infiltration area.
- Level basin bottom represents the finished elevation with compost and mulch.
- Over excavate basin 2" to accommodate compost addition.
- Rip subsoils after excavation to maximum depth possible.
- Remove soils with reduced infiltration capability if found during ripping.
- Install Rain Guardian Turret as per typical detail (Sheet 3/3).
- Amend with 2" of compost and incorporate to a depth of 12".
- Cover level bench, 3:1 side slopes, and level basin bottom with 2" of double shredded hardwood mulch. Mulch should be at least 2" deep but no more than 3" deep.
- Replace or repair any underground irrigation system lines or heads disturbed during construction.
- Repair all areas of damaged sod affected during construction.
- Follow design details. If there are issues or questions, contact the Anoka Conservation District (763-434-2030) prior to making any changes.

Maintenance Notes:

- Water planted area during establishment 1" per week.
- Remove sediment and debris from Rain Guardian Turret and project area as needed and dispose of waste according to local environmental rules.

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

PROJECT: REDEEMER LUTHERAN CHURCH
 LOCATION: 61 MISSISSIPPI WAY NE
 FRIDLEY, MN 55432



WATERSHED DISTRICT:

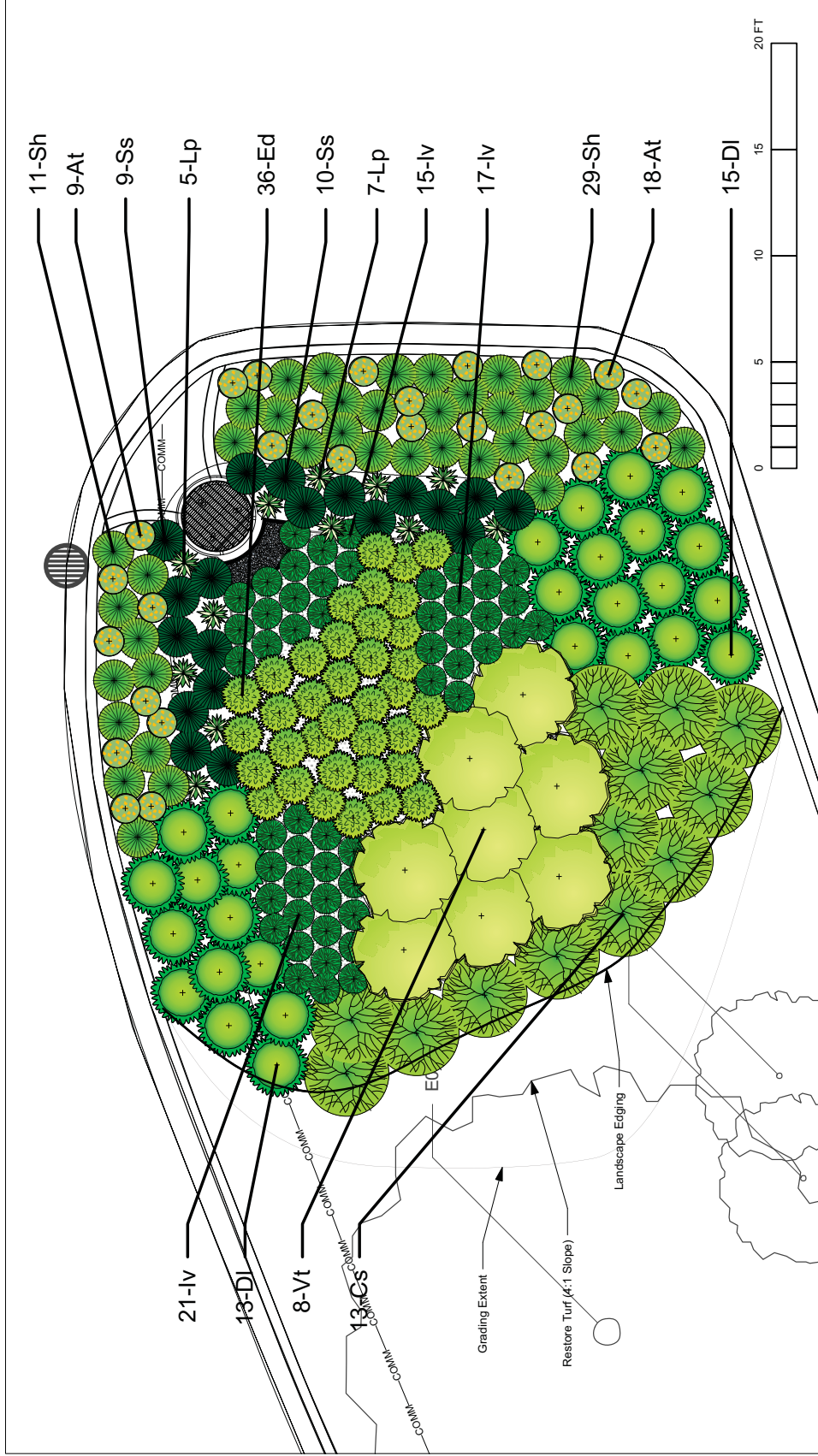
DESIGNER: MITCH HAUSTEIN
 DATE: 04/17/2017
 REVISION: 03/08/2017 MDH
 REVISION: 03/02/2017 MDH
 REVISION:
 REVISION:
 CHECKED BY:
 NOTES:



SCALE: VARIABLE

EXISTING/PROPOSED
 CONDITIONS

SHEET 1/3



- Planting Plan Notes:
1. Contact Gopher One at least 48 hours prior to digging at 651-454-0002 to have utilities marked.
 2. Evenly distribute plants throughout planting area.
 3. Modify plant quantities to take advantage of volume discounts.
 4. Gently break rootballs (do not plant bound rootball).
 5. Ensure all plants receive 1" of water per week during first growing season.
 6. Weed and replace plants as needed.
 7. All species substitutions to be approved by the Anoka Conservation District (763-434-2030).

Plant List Type	ID	Qty	Common Name	Botanical Name
Perennials	Iv	53	Blueflag Iris	Iris versicolor
	At	27	Butterfly Weed	Asclepias tuberosa
	Ss	19	Little Bluestem	Schizachyrium scoparium
	Ed	36	Little Joe Pye Weed	Eupatorium dubium 'Little Joe'
	Lp	12	Prairie Blazing Star	Liatris pycnostachya
	Sh	40	Prairie Dropseed	Sporobolus heterolepis
Shrubs	Vt	8	Bailey Compact American Cranberrybush	Viburnum trilobum 'Bailey Compact'
	DI	28	Dwarf Bush Honeysuckle	Lonicera
	Cs	13	Isanti Red-Osier Dogwood	Cornus sericea 'Isanti'
TOTAL		236		

Contractor Cost Estimate prepared by the Anoka Conservation District

Redeemer Lutheran Church Rain Garden
 61 Mississippi Way NE
 Fridley, MN 55432

-sizing	QUANTITY	UNIT
Total Area Disturbed	998	SOFT

NOTE: COST ESTIMATE EXCLUDES ITEMS PROVIDED BY CITY OF FRIDLEY (TREE REMOVAL, EXCAVATION AND DISPOSAL OF FILL, TILL IN COMPOST, CURB-CUT AND APRON REPOUR) AND CHURCH (PLANTING).

ESTIMATED MATERIALS

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
MATERIALS				
Class V Aggregate Base	0.35	cu yd	\$40.00	\$14.00
Rain Guardian Turret Pretreatment Chamber	1	per	\$1,394.25	\$1,394.25
Compost	5.2	cu yd	\$43.00	\$223.60
Double Shredded Hardwood Mulch	5.2	cu yd	\$40.00	\$208.00
#3 Crushed Stone	0.05	cu yd	\$100.00	\$5.00
Landscape Edging	39	lin ft	\$2.00	\$78.00
Sod	17	sq yd	\$5.00	\$85.00
PLANTS				
Perennials - 1" Plugs	134	per	\$1.00	\$134.00
Perennials and Shrubs - 4" Pots	81	per	\$4.00	\$324.00
Bare Root Shrubs	21	per	\$10.00	\$210.00
PLANTS TOTAL				\$668.00
PLANTS AND MATERIALS TOTAL				\$2,675.85

ESTIMATED LABOR

Compacted Class V - 6" deep	0.35	cu yd	\$40.00	\$14.00
Pretreatment chamber placement	1	each	\$200.00	\$200.00
Install Mulch	5.2	cu yd	\$40.00	\$208.00
Install #3 Crushed Stone	0.05	cu yd	\$100.00	\$5.00
Install Landscape Edging	39	lin ft	\$2.00	\$78.00
Install Sod	17	sq yd	\$5.00	\$85.00
LABOR TOTAL				\$590.00

MISCELLANEOUS

Pretreatment Chamber Delivery	1	each	\$270.00	\$270.00
Mobilization	1	each	\$500.00	\$500.00
MISCELLANEOUS SUPPLIES TOTAL				\$770.00

INSTALLED PROJECT ESTIMATED TOTAL

	Amount
MATERIALS	\$2,675.85
LABOR	\$590.00
MISCELLANEOUS SUPPLIES	\$770.00
ESTIMATED TOTAL RANGE FOR PROJECT	\$4,035.85
	:-10%
	:+10%
	\$3,632.27
	\$4,439.44

ITEMS REQUIRING BOARD ACTION

3. Consider Pay Request #7 from Rachel Contracting, Inc. for the Hansen Park Project. (Phil Belfiori)

Date: April 19, 2017
To: RCWD Board of Managers
From: Kyle Axtell, Water Resource Specialist
Subject: Hansen Park Comprehensive Water Management Project
Rachel Contracting, Inc. Pay Request #7

BACKGROUND

Rachel Contracting has continued to make progress on the Hansen Park Comprehensive Water Management Project and has submitted its seventh pay request. Staff concurs with the District Engineer’s opinion (attached) that the pay request is ready for approval.

As we move toward a stoppage in construction for the summer, Rachel Contracting has continued work installing components of the iron-enhanced sand filter, as detailed by the engineer’s memo. Additionally, where grading is complete, the revegetation subcontractor has been working to establish permanent cover. Where grading is idle, but not complete, the subcontractor has been placing temporary seed to provide stabilization through next winter.

RECOMMENDED ACTION

District staff recommends that \$58,721.58 be issued to Rachel Contracting, Inc. as detailed in Pay Request #7.

Proposed motion: Manager _____ moves to approve Rachel Contracting, Inc.’s pay request as submitted and certified by the District Engineer, and directs staff to issue a payment in the amount of \$58,721.58, seconded by Manager _____.

Attachments: HEI Technical Memorandum (04-18-2017)
Partial Payment Documentation

Technical Memorandum

To: Kyle Axtell
Phil Belfiori

From: Dennis McAlpine (PE)
Ben Jore (EIT)

Subject: Hansen Park Comprehensive Water Management Project Partial Payment #7

Date: April 18, 2017

Project: 145555-240

The purpose of this memorandum is to recommend Partial Payment #7 to Rachel Contracting, Inc. for the Hansen Park Comprehensive Water Management Project.

Project Update

Construction of the IESF system has begun. Rachel Contracting, Inc. has installed the following components for the IESF system: drop manhole, distribution pipe from the pond inlet to the lift station, automatic valve vault, and manual valve vault. Site restoration and seeding activities have been completed on the east side of the site with the corresponding native seed mixes. Temporary seeding has been completed on the west side of the site, including the DML-1 stockpile. Additional street sweeping has been provided as needed during construction.

Payment Application Review

We have reviewed the completed quantities submitted by Rachel Contracting, Inc. We have verified each of the items which have been requested.

The following is a summary of payment:

Work completed to date:	\$ 1,856,809.82
Less 5% retainage:	\$ 92,840.49
<u>Less previous payments:</u>	<u>\$ 1,705,247.75</u>
Pay Request for this estimate:	\$ 58,721.58

A detailed summary of work completed, partial payment certification, and Rachel Contracting Inc's pay request (revised by HEI), are attached.

Recommendation

We recommend authorization of Partial Payment #7 in the amount of \$58,721.58 to Rachel Contracting, Inc. for work completed under this pay request.

PARTIAL PAYMENT CERTIFICATION

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

PROJECT: Hansen Park Comprehensive
Water Management Project
CONTRACTOR: Rachel Contracting

PARTIAL PAYMENT: 7
PERIOD OF ESTIMATE: Work Thru 3/31/2017

CONTRACT CHANGE ORDER SUMMARY

No.	Deduction	Additions
1		\$21,522.25
2		\$73,500.00
3		\$50,750.00
4	\$47,895.30	
Totals	\$47,895.30	\$145,772.25
Net Change to Contract		\$97,876.95

CONTRACT TIME: Fall 2016 – Fall 2018
Original Days: 791
Revisions: n
Days Remaining: 562
On Schedule (y/n): y
Starting Date: September 1, 2016
Projected Completion: October 31, 2018

ESTIMATE

Original Contract Amount.....	\$ 2,768,480.12
Change Orders.....	\$ 97,876.95
Revised Contract Amount.....	\$ 2,866,357.07
Completed to Date Amount.....	\$ 1,856,809.82
Materials On-Site.....	\$ 0.00
Subtotal.....	\$ 1,856,809.82
Retainage.....	\$ 92,840.49
Previous Payments.....	\$ 1,705,247.75
Amount Due This Payment.....	\$ 58,721.58

(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.

Contractor: Rachel Contracting, Inc.


By: 

Date: 4-18-17

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: Dennis D. McAlpine II 

Date: 4/18/17

OWNER'S APPROVAL

Owner: Rice Creek Watershed District

By: _____

Date: _____

Partial Payment #7
Hansen Park Comprehensive Water Management Project
18-Apr-17

Item	Item Description	Unit	Contract Quantity	Rachel Contracting		Pay App #7 Work Thru 3/31/17		Total Complete	% Complete	Retainage
				Unit Cost	Extension	Quantity	Amount			
1	Mobilization	Lump Sum	1	\$105,000.00	\$105,000.00		\$0.00	\$78,750.00	75.0%	\$3,937.50
2	Clearing (P)	Acre	5.0	\$2,300.00	\$11,500.00		\$0.00	\$11,500.00	100.0%	\$575.00
3	Grubbing (P)	Acre	4.5	\$2,300.00	\$10,350.00		\$0.00	\$12,650.00	122.2%	\$632.50
4	Salvage & Reinstall Existing Bridge Structure	Lump Sum	1	\$51,000.00	\$51,000.00	0.0	\$0.00	\$48,450.00	95.0%	\$2,422.50
5	Demolition and Removals	Lump Sum	1	\$15,000.00	\$15,000.00		\$0.00	\$15,000.00	100.0%	\$750.00
6	Common Excavation and Dredging (CV) (P)	Cubic Yard	71,482	\$5.60	\$400,299.20		\$0.00	\$287,280.00	71.8%	\$14,364.00
7	Dewatering & Control of Water	Lump Sum	1	\$35,000.00	\$35,000.00		\$0.00	\$29,750.00	85.0%	\$1,487.50
8	Haul & Disposal of Dredge Mgmt. Level 1	Cubic Yard	13,482	\$10.15	\$136,842.30		\$0.00	\$136,842.30	100.0%	\$6,842.12
9	Haul & Disposal of Dredge Mgmt. Level 2	Ton	21,260	\$21.30	\$452,838.00		\$0.00	\$112,033.74	24.7%	\$5,601.69
10	Haul & Disposal of Dredge Mgmt. Level 3	Ton	20,012	\$21.30	\$426,255.60		\$0.00	\$426,255.60	100.0%	\$21,312.78
11	Stockpile Dewatering Pipe	Linear Foot	1,000	\$3.00	\$3,000.00		\$0.00	\$1,500.00	50.0%	\$75.00
12	Stockpile Re-grade	Each	1	\$3,000.00	\$3,000.00		\$0.00	\$0.00	0.0%	\$0.00
13	Compacted Clay Core Berm (CV) (P)	Cubic Yard	5,000	\$22.00	\$110,000.00		\$0.00	\$110,000.00	100.0%	\$5,500.00
14	Steel Sheet Piling	Square Yard	180	\$550.00	\$99,000.00		\$0.00	\$99,000.00	100.0%	\$4,950.00
15	30" RCP Flared End Section (minor reinforcement)	Each	1	\$11,000.00	\$11,000.00		\$0.00	\$11,000.00	100.0%	\$550.00
16	30" RCP Flared End Section (major reinforcement)	Each	1	\$42,000.00	\$42,000.00		\$0.00	\$42,000.00	100.0%	\$2,100.00
17	Flap Gate For 15" HDPE	Each	3	\$460.00	\$1,380.00		\$0.00	\$1,380.00	100.0%	\$69.00
18	Flap Gate For 24" HDPE	Each	1	\$620.00	\$620.00		\$0.00	\$620.00	100.0%	\$31.00
19	Flap Gate For 30" HDPE	Each	1	\$1,100.00	\$1,100.00		\$0.00	\$1,100.00	100.0%	\$55.00
20	IESF 15" RC Pipe Apron	Each	2	\$710.01	\$1,420.02	1	\$710.01	\$1,420.02	100.0%	\$71.00
21	15" GS Pipe Apron	Each	10	\$680.00	\$6,800.00		\$0.00	\$6,800.00	100.0%	\$340.00
22	24" GS Pipe Apron	Each	1	\$470.00	\$470.00		\$0.00	\$470.00	100.0%	\$23.50
23	48" Storm MH, w/casting	Each	1	\$2,100.00	\$2,100.00		\$0.00	\$2,100.00	100.0%	\$105.00
24	Outlet Water Control Structure 84" Precast MH	Each	1	\$35,000.00	\$35,000.00		\$0.00	\$35,000.00	100.0%	\$1,750.00
25	Outlet Control Structure Piping	Linear Foot	114	\$125.00	\$14,250.00		\$0.00	\$14,250.00	100.0%	\$712.50
26	15" HDPE Pipe Culvert	Linear Foot	294	\$36.00	\$10,584.00		\$0.00	\$10,764.00	101.7%	\$538.20
27	24" HDPE Pipe Culvert	Linear Foot	78	\$49.00	\$3,822.00		\$0.00	\$3,822.00	100.0%	\$191.10
28	30" HDPE Pipe Culvert	Linear Foot	95	\$65.00	\$6,175.00		\$0.00	\$6,175.00	100.0%	\$308.75
29	Random Riprap Class IV	Cubic Yard	99	\$115.00	\$11,385.00		\$0.00	\$11,385.00	100.0%	\$569.25
30	Random Riprap Class III	Cubic Yard	249	\$115.00	\$28,635.00		\$0.00	\$28,635.00	100.0%	\$1,431.75
31	8' Bituminous Trail	Linear Foot	2,045	\$66.00	\$134,970.00		\$0.00	\$0.00	0.0%	\$0.00
32	Bituminous Drive Restoration	Square Yard	470	\$25.00	\$11,750.00		\$0.00	\$0.00	0.0%	\$0.00
33	8' Gravel Trail	Linear Foot	980	\$14.00	\$13,720.00		\$0.00	\$13,720.00	100.0%	\$686.00
34	IESF Coarse Filter Aggregate	Cubic Yard	300	\$78.00	\$23,400.00		\$0.00	\$0.00	0.0%	\$0.00
35	IESF Fine Filter Aggregate	Cubic Yard	370	\$46.00	\$17,020.00		\$0.00	\$0.00	0.0%	\$0.00
36	IESF Medium Filter Aggregate	Cubic Yard	130	\$85.00	\$11,050.00		\$0.00	\$0.00	0.0%	\$0.00
37	IESF Iron Filings	Ton	37	\$1,300.00	\$48,100.00		\$0.00	\$0.00	0.0%	\$0.00
38	IESF System 48" Drop Manhole	Each	1	\$10,500.00	\$10,500.00	0.3	\$3,150.00	\$10,500.00	100.0%	\$525.00
39	IESF System 48" Lift Station Manhole	Each	1	\$12,000.00	\$12,000.00		\$0.00	\$8,400.00	70.0%	\$420.00
40	IESF System Pump & Controls	Lump Sum	1	\$69,000.00	\$69,000.00		\$0.00	\$20,655.25	29.9%	\$1,032.76
41	IESF 4" PVC IESF Distribution Pipe	Linear Foot	445	\$17.00	\$7,565.00		\$0.00	\$0.00	0.0%	\$0.00
42	IESF 15" RCP IESF Distribution Pipe & Drain Pipe	Linear Foot	139	\$38.00	\$5,282.00	48	\$1,824.00	\$5,282.00	100.0%	\$264.10
43	IESF 6" PVC IESF Drain Pipe	Linear Foot	387	\$23.00	\$8,901.00		\$0.00	\$0.00	0.0%	\$0.00
44	IESF 6" PVC IESF Perforated Pipe Drain	Linear Foot	233	\$16.00	\$3,728.00		\$0.00	\$0.00	0.0%	\$0.00
45	6" HDPE IESF Drain Pipe Cleanout	Each	8	\$400.00	\$3,200.00		\$0.00	\$0.00	0.0%	\$0.00
46	IESF System Bubblers	Each	8	\$420.00	\$3,360.00		\$0.00	\$0.00	0.0%	\$0.00
47	IESF System Automated Valve Vault	Lump Sum	1	\$28,900.00	\$28,900.00	0.5	\$14,450.00	\$14,450.00	50.0%	\$722.50
48	IESF System Manual Valve Vault	Lump Sum	1	\$35,700.00	\$35,700.00	0.5	\$17,850.00	\$17,850.00	50.0%	\$892.50
49	IESF Electrical - System Distribution	Lump Sum	1	\$7,000.00	\$7,000.00	0.0	\$0.00	\$0.00	0.0%	\$0.00
50	IESF Electrical - Permanent Service from Xcel Energy (RESERVE)	Lump Sum	1	\$20,000.00	\$20,000.00		\$0.00	\$0.00	0.0%	\$0.00
51	Catch Basin Inlet Protection	Each	2	\$280.00	\$560.00		\$0.00	\$560.00	100.0%	\$28.00
52	Ditch Check (Temporary Riprap Class 3)	Cubic Yard	16	\$150.00	\$2,400.00		\$0.00	\$6,300.00	262.5%	\$315.00
53	Slit Fence	Linear Foot	1,800	\$3.00	\$5,400.00		\$0.00	\$3,135.00	58.1%	\$156.75
54	Silt Fence - Heavy Duty Installation	Linear Foot	2,800	\$3.70	\$10,360.00		\$0.00	\$10,360.00	100.0%	\$518.00
55	Sediment Control Fiber Roll	Linear Foot	500	\$4.50	\$2,250.00		\$0.00	\$2,295.00	102.0%	\$114.75
56	Sediment Control Fiber Roll - Heavy Duty Installation	Linear Foot	5,000	\$5.40	\$27,000.00	415	\$2,241.00	\$8,964.00	33.2%	\$448.20
57	Erosion Control Blanket	Square Yard	3,780	\$7.00	\$26,460.00		\$0.00	\$28,665.00	108.3%	\$1,433.25
58	Hydro Mulch	Acre	8.8	\$5,600.00	\$49,280.00		\$0.00	\$49,280.00	100.0%	\$2,464.00
59	Seed Mixture 25-151 (High Maintenance Turf)	Acre	3.5	\$1,500.00	\$5,250.00		\$0.00	\$0.00	0.0%	\$0.00
60	Seed Mixture 34-181 (Emergent Wetland)	Acre	2.6	\$1,410.00	\$3,666.00	0.75	\$1,057.50	\$2,749.50	75.0%	\$137.48
61	Seed Mixture 34-261 (Riparian South & West)	Acre	2.0	\$1,860.00	\$3,720.00	0.83	\$1,543.80	\$2,790.00	75.0%	\$139.50
62	Seed Mixture 34-271 (Wet Meadow South & West)	Acre	1.7	\$2,200.00	\$3,740.00		\$0.00	\$2,772.00	74.1%	\$138.60
63	Seed Mixture 35-221 (Dry Prairie General)	Acre	1.7	\$1,750.00	\$2,975.00	0.5	\$875.00	\$875.00	29.4%	\$43.75

Partial Payment #7
Hansen Park Comprehensive Water Management Project
18-Apr-17

Pay App #7
Work Thru 3/31/17

Item	Item Description	Unit	Contract Quantity	Rachel Contracting		Quantity	Amount	Total Complete	% Complete	Retainage
				Unit Cost	Extension					
64	Seed Mixture 36-211 (Woodland Edge South & West)	Acre	0.6	\$1,790.00	\$1,074.00	0.6	\$1,074.00	\$1,074.00	100.0%	\$53.70
65	Temporary Seeding	Acre	8.8	\$900.00	\$7,920.00		\$0.00	\$0.00	0.0%	\$0.00
66	Native Aquatic: 2" Plug	Each	1,440	\$4.00	\$5,760.00		\$0.00	\$0.00	0.0%	\$0.00
67	Native Shrub: 2 Gallon	Each	275	\$43.00	\$11,825.00		\$0.00	\$0.00	0.0%	\$0.00
68	Native Tree: #7 Container	Each	8	\$197.00	\$1,576.00		\$0.00	\$0.00	0.0%	\$0.00
69	Native Tree: #25 Container	Each	14	\$480.00	\$6,720.00		\$0.00	\$0.00	0.0%	\$0.00
70	Herbivore - Exclusive Fence	Linear Foot	1,440	\$4.00	\$5,760.00		\$0.00	\$0.00	0.0%	\$0.00
71	Relocate and Transplant Existing Trees	Each	5	\$800.00	\$4,000.00		\$0.00	\$4,000.00	100.0%	\$200.00
72	2017 Annual Maintenance	Lump Sum	1	\$7,000.00	\$7,000.00		\$0.00	\$0.00	0.0%	\$0.00
73	2018 Annual Maintenance	Lump Sum	1	\$16,000.00	\$16,000.00		\$0.00	\$0.00	0.0%	\$0.00
74	Traffic Control	Lump Sum	1	\$2,500.00	\$2,500.00		\$0.00	\$1,250.00	50.0%	\$62.50
75	Temporary Orange Construction Fence	Linear Foot	4,180	\$3.40	\$14,212.00		\$0.00	\$16,320.00	114.8%	\$816.00
76	Stabilized Construction Entrance/Exit	Lump Sum	2	\$2,800.00	\$5,600.00		\$0.00	\$5,600.00	100.0%	\$280.00
77	SWPPP Documentation and Management	Lump Sum	1	\$10,000.00	\$10,000.00		\$0.00	\$5,000.00	50.0%	\$250.00
78	Street Sweeping	Hour	100	\$145.00	\$14,500.00	43	\$6,235.00	\$9,860.00	68.0%	\$493.00
Change Order #1										
1	Relocation of Pedestrian Bridge	Each	2	\$2,000.00	\$4,000.00		\$0.00	\$4,000.00	100.0%	\$200.00
2	Removal of Hydro Mulch Line Item	Acres	8.8	-\$5,600.00	-\$49,280.00		\$0.00	-\$49,280.00	100.0%	-\$2,464.00
3	Load, Haul, & Store Belton 700 ECB to City	Lump Sum	1	\$1,500.00	\$1,500.00		\$0.00	\$1,500.00	100.0%	\$75.00
4	Load & Haul 700 ECB to Site	Lump Sum	1	\$1,500.00	\$1,500.00		\$0.00	\$1,500.00	100.0%	\$75.00
5	Installation of Owner Furnished Belton 700 ECB	Square Yard	5,500	\$4.31	\$23,705.00		\$0.00	\$9,753.53	41.1%	\$487.68
6	Furnish and Install SC150BN	Square Yard	7,400	\$3.57	\$26,418.00	702	\$2,506.14	\$21,105.84	79.9%	\$1,055.29
7	MnDOT Type 3 Weed Free Mulch	Ton	12.2	\$1,121.25	\$13,679.25		\$0.00	\$0.00	0.0%	\$0.00
				Subtotal	\$21,522.25					
Change Order #2										
1	Furnish, Instal, and Maintain Composite Mats	Week	6.0	\$12,250.00	\$73,500.00		\$0.00	\$73,500.00	100.0%	\$3,675.00
2	Storage of Composite Mats (Not Used)	Week	0	\$6,600.00	\$0.00		\$0.00	\$0.00	0.0%	\$0.00
				Subtotal	\$73,500.00					
Change Order #3										
1	Haul & Dispose of Additional DML-1	Cubic Yard	5,000	\$10.15	\$50,750.00		\$0.00	\$50,750.00	100.0%	\$2,537.50
				Subtotal	\$50,750.00					
Change Order #4										
1	Stockpile Re-grade per FO-010	Lump Sum	1	\$18,829.20	\$18,829.20		\$0.00	\$18,829.20	100.0%	\$941.46
2	Additional Haul-off of DML-1 Material (5,000 CY)	Cubic Yard	5,000	\$10.15	\$50,750.00		\$0.00	\$48,821.50	96.2%	\$2,441.08
3	Revision to use of Composite Matting System	Week	4	-\$12,250.00	-\$49,000.00		\$0.00	-\$49,000.00	100.0%	-\$2,450.00
4	Temporary Seeding per project shutdown per FO-011	Lump Sum	1	\$2,386.10	\$2,386.10	1.0	\$2,386.10	\$2,386.10	100.0%	\$119.31
5	Additional Construction Fence to delineate no-excavated areas within	Linear Foot	1,650	\$3.40	\$5,610.00		\$0.00	\$5,610.00	100.0%	\$280.50
6	Additional seeding to restore interim grades on stockpile per project	Acre	3	\$3,581.60	\$10,744.80	1.65	\$5,909.64	\$5,909.64	55.0%	\$295.48
7	Additional common excavation volume per post draw-down survey check	Cubic Yard	2,152	\$5.60	\$12,051.20		\$0.00	\$12,051.20	100.0%	\$602.56
8	Removal of excess DML-3 tonnage from contrat as result of changed	Ton	7,897	-\$21.30	-\$168,211.85		\$0.00	-\$168,211.85	100.0%	-\$8,410.59
9	Revised Unit price of DML-3 adjusted actual density	Ton	12,115	\$6.67	\$80,805.25		\$0.00	\$80,805.25	100.0%	\$4,040.26
10	Remove contract item #54 - Silt Fence - Heavy Duty Installation	Linear Foot	2,800	-\$3.70	-\$10,360.00		\$0.00	-\$10,360.00	100.0%	-\$518.00
11	Remove portion (50%) of contract item #11 - Stockpile Dewatering Pipe	Linear Foot	500	-\$3.00	-\$1,500.00		\$0.00	-\$1,500.00	100.0%	-\$75.00
				Subtotal	-\$47,895.30					
				Subtotals	\$2,866,357.07		\$61,812.19	\$1,856,809.82	64.78%	\$92,840.49
				Retainage (5%)	\$143,317.85		\$3,090.61	\$92,840.49		
							\$58,721.58			

Payments to date

PP#1	\$181,511.99
PP#2	\$27,198.50
PP#3	\$23,522.00
PP#4	\$173,929.80
PP#5	\$606,173.10
PP#6	\$692,912.36
	\$1,705,247.75

Work Completed to Date	Total Payments to Date	5% Retainage	Amount Due This
\$1,856,809.82	\$1,705,247.75	\$92,840.49	\$58,721.58

Bold/Italics = REVISED PER HEI REVIEW

Dennis McAlpine

From: Shelly Juul <SJuil@rachelcontracting.com>
Sent: Tuesday, April 18, 2017 2:56 PM
To: Dennis McAlpine
Cc: Ben Jore; Lucas Stock
Subject: Signed and Revised Pay Application
Attachments: SKM_C554e17041814550.pdf

Thank you

Shelly Juul
Project Coordinator



Rachel Contracting, Inc.

4125 Napier Court NE | St. Michael, MN 55376

D: 763-424-1513 | **O:** 763-424-1500 | sjuul@rachelcontracting.com

From: Copier
Sent: Tuesday, April 18, 2017 2:56 PM
To: Shelly Juul
Subject: Message from KM_C554e

APPLICATION AND CERTIFICATE FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF

TO Rice Creek Watershed District
OWNER: Kyle Axtel
 4325 Pheasant Ridge Dr NE #611
 Blaine, MN 55449

FROM Rachel Contracting, Inc
CONTRACTOR: 4125 Napier Court NE
 St Michael, MN 55376

PROJECT: Hansen Park Comp. Water Mgt

APPLICATION NO: 16074.7
PERIOD FROM: 3/1/2017
PERIOD TO: 4/30/2017
APPLICATION DATE: 4/18/2017
CONTRACT DATE: 7/27/2016

Distribution to: OWNER
 CONTRACTOR
 OTHER

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
 Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM..... \$2,768,480.12
2. Net change by Change Orders..... \$ 97,876.95
3. CONTRACT SUM TO DATE (Line 1+-2)..... \$2,866,357.07
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)..... \$1,856,809.82
5. RETAINAGE:
 - a. 5% of Completed Work \$ 92,840.49
 (Columns D + E on G703)
 - b. _____ % of Stored Material \$ -
 (Columns F on G703)
 Total Retainage (line 5a + 5b or Total in Column I of G703)..... \$ 92,840.49
6. TOTAL EARNED LESS RETAINAGE..... \$1,763,969.33
 (Line 4 less Line 5 Total)
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT \$1,705,247.75
 (Line 6 from prior Certificate)
8. CURRENT PAYMENT DUE..... \$ 58,721.58
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)..... \$ 1,102,387.74

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
TOTAL CHANGES APPROVED IN PREVIOUS MONTHS BY OWNER	\$ 145,772.25	47895.3
TOTAL APPROVED THIS MONTH	TOTALS \$ 145,772.25	\$ 47,895.30
NET CHANGES BY CHANGE ORDER	\$ 97,876.95	

The undersigned Contractor certifies that to the best of the Contractor's Knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for payment were issued and payments received from Owner, and that current payment shown herein is now due.

CONTRACTOR: Rachel Contracting, Inc
 By:  Date: 4/18/2017

State of: MN
 County of: Wright
 Described and sworn to before me this 18th day of April, 2017

Notary Public: 
 My Commission Expires: January 31, 2022



ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Document, based on on-site observation and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's Knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....
 (Attach explanation if the amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the AMOUNT CERTIFIED)

ARCHITECT: _____ Date: _____
 BY: _____
 This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

A14 Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.
 In tabulations below, amounts are stated to the nearest dollar.
 Use Column 1 on Contracts where variable retainage for line items may apply.

APPLICATION NO: 16074.7
 PERIOD BILLING: 04/30/17
 APPLICATION DATE: 04/18/17

A ITEM NO.	B DESCRIPTION OF WORK	UNIT	EST QTY	QTY TO DATE	UNIT PRICE	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN P.O.R.E.)	G TOTAL COMPLETED AND STORED TO DATE (D+E+G)	H % (D+G)	I BALANCE TO BE PAID (C-G)	RETAINAGE (IF VARIABLE RATE)
							FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
10	Mobilization	LS	1.00	0.75	\$ 105,000.00	\$105,000.00	\$78,750.00	\$0.00	\$0.00	\$78,750.00	75.00%	\$26,250.00	\$3,937.50
20	Clearing (P)	AC	5.00	5.00	\$ 2,300.00	\$11,500.00	\$11,500.00	\$0.00	\$0.00	\$11,500.00	100.00%	\$0.00	\$575.00
30	Grubbing (P)	AC	4.50	5.50	\$ 2,300.00	\$10,350.00	\$12,650.00	\$0.00	\$0.00	\$12,650.00	122.22%	(\$2,300.00)	\$632.50
40	Salvage & Reinstall Existing Bridge Structure	LS	1.00	0.95	\$ 51,000.00	\$51,000.00	\$48,450.00	\$0.00	\$0.00	\$48,450.00	95.00%	\$2,550.00	\$2,422.50
50	Demo & Removals	LS	1.00	1.00	\$ 15,000.00	\$15,000.00	\$15,000.00	\$0.00	\$0.00	\$15,000.00	100.00%	\$0.00	\$0.00
60	Common Excavation & Dredging	CY	71.482	1.00	\$ 51,300.00	\$400,299.20	\$287,280.00	\$0.00	\$0.00	\$287,280.00	71.77%	\$113,019.20	\$14,364.00
70	Dewatering & Control of Water	LS	1.00	0.85	\$ 35,000.00	\$35,000.00	\$29,750.00	\$0.00	\$0.00	\$29,750.00	85.00%	\$5,250.00	\$1,487.50
80	Haul & Dispose of Dredge Mgt Level 1	CY	13.482	1.00	\$ 10.15	\$136,842.30	\$136,842.30	\$0.00	\$0.00	\$136,842.30	100.00%	\$0.00	\$6,842.12
90	Haul & Dispose of Dredge Mgt Level 2	TON	21.260	1.00	\$ 21.30	\$452,838.00	\$112,033.74	\$0.00	\$0.00	\$112,033.74	24.74%	\$340,804.26	\$5,601.69
100	Haul & Dispose of Dredge Mgt Level 3	TON	20,012.00	1.00	\$ 21.30	\$426,255.60	\$426,255.60	\$0.00	\$0.00	\$426,255.60	100.00%	\$0.00	\$21,312.78
110	Stockpile Dewatering Pipe	LF	1,000.00	500.00	\$ 3.00	\$3,000.00	\$1,500.00	\$0.00	\$0.00	\$1,500.00	50.00%	\$1,500.00	\$75.00
120	Stockpile Re-Grade	EA	1.00	1.00	\$ 3,000.00	\$3,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$3,000.00	\$0.00
130	Compacted Clay Core Berm	CY	5,000.00	5,000.00	\$ 22.00	\$110,000.00	\$110,000.00	\$0.00	\$0.00	\$110,000.00	100.00%	\$0.00	\$5,500.00
140	Steel Sheet Piling	SY	180.00	180.00	\$ 590.00	\$99,000.00	\$99,000.00	\$0.00	\$0.00	\$99,000.00	100.00%	\$0.00	\$4,950.00
150	30" RCP Flared End Section (minor)	EA	1.00	1.00	\$ 11,000.00	\$11,000.00	\$11,000.00	\$0.00	\$0.00	\$11,000.00	100.00%	\$0.00	\$550.00
160	30" RCP Flared End Section (major)	EA	1.00	1.00	\$ 42,000.00	\$42,000.00	\$42,000.00	\$0.00	\$0.00	\$42,000.00	100.00%	\$0.00	\$2,100.00
170	Flap Gate for 15" HDPE	EA	3.00	3.00	\$ 460.00	\$1,380.00	\$1,380.00	\$0.00	\$0.00	\$1,380.00	100.00%	\$0.00	\$69.00
180	Flap Gate for 24" HDPE	EA	1.00	1.00	\$ 620.00	\$620.00	\$620.00	\$0.00	\$0.00	\$620.00	100.00%	\$0.00	\$31.00
190	Flap Gate for 30" HDPE	EA	1.00	1.00	\$ 1,100.00	\$1,100.00	\$1,100.00	\$0.00	\$0.00	\$1,100.00	100.00%	\$0.00	\$55.00
200	ESF 15" RC Pipe Apron	EA	2.00	2.00	\$ 710.01	\$1,420.02	\$710.01	\$0.00	\$0.00	\$1,420.02	100.00%	\$0.00	\$71.00
210	ESF 15" RC Pipe Apron	EA	10.00	10.00	\$ 680.00	\$6,800.00	\$6,800.00	\$0.00	\$0.00	\$6,800.00	100.00%	\$0.00	\$340.00
220	24" GS Pipe Apron	EA	1.00	1.00	\$ 470.00	\$470.00	\$470.00	\$0.00	\$0.00	\$470.00	100.00%	\$0.00	\$23.50
230	48" Storm MH W/Casting	EA	1.00	1.00	\$ 2,100.00	\$2,100.00	\$2,100.00	\$0.00	\$0.00	\$2,100.00	100.00%	\$0.00	\$105.00
240	Outlet Water Control Structure 84" Precast MH	EA	1.00	1.00	\$ 35,000.00	\$35,000.00	\$35,000.00	\$0.00	\$0.00	\$35,000.00	100.00%	\$0.00	\$1,750.00
250	Outlet Control Structure Piping	LF	114.00	114.00	\$ 125.00	\$14,250.00	\$14,250.00	\$0.00	\$0.00	\$14,250.00	100.00%	\$0.00	\$712.50
260	15" HDPE Pipe Culvert	LF	294.00	299.00	\$ 10.584	\$10,584.00	\$10,764.00	\$0.00	\$0.00	\$10,764.00	101.70%	(\$180.00)	\$538.20
270	24" HDPE Pipe Culvert	LF	78.00	78.00	\$ 49.00	\$3,822.00	\$3,822.00	\$0.00	\$0.00	\$3,822.00	100.00%	\$0.00	\$191.10
280	30" HDPE Pipe Culvert	LF	95.00	95.00	\$ 65.00	\$6,175.00	\$6,175.00	\$0.00	\$0.00	\$6,175.00	100.00%	\$0.00	\$308.75
290	Random Rip Rap Class IV	CY	99.00	99.00	\$ 115.00	\$11,385.00	\$11,385.00	\$0.00	\$0.00	\$11,385.00	100.00%	\$0.00	\$569.25
300	Random Rip Rap Class III	CY	249.00	249.00	\$ 115.00	\$28,635.00	\$28,635.00	\$0.00	\$0.00	\$28,635.00	100.00%	\$0.00	\$1,431.75
310	8" Bituminous Trail	LF	2,045.00	2,045.00	\$ 66.00	\$134,970.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$134,970.00	\$0.00
320	Bituminous Drive Restoration	SY	470.00	470.00	\$ 25.00	\$11,750.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$11,750.00	\$0.00
330	8" Gravel Trail	LF	980.00	980.00	\$ 14.00	\$13,720.00	\$13,720.00	\$0.00	\$0.00	\$13,720.00	100.00%	\$0.00	\$686.00
340	ESF Coarse Filter Agg	CY	300.00	300.00	\$ 78.00	\$23,400.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$23,400.00	\$0.00
350	ESF Fine Filter Agg	CY	370.00	370.00	\$ 46.00	\$17,020.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$17,020.00	\$0.00
360	ESF Medium Filter Agg	CY	130.00	130.00	\$ 85.00	\$11,050.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$11,050.00	\$0.00
370	ESF Iron Filings	TON	37.00	37.00	\$ 48.100	\$48,100.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$48,100.00	\$0.00
380	ESF System 48" Drop Manhole	EA	1.00	1.00	\$ 10,500.00	\$10,500.00	\$7,350.00	\$0.00	\$0.00	\$7,350.00	70.00%	\$3,150.00	\$525.00
390	ESF System 48" Lift Station Manhole	EA	1.00	0.70	\$ 12,000.00	\$12,000.00	\$8,400.00	\$0.00	\$0.00	\$8,400.00	70.00%	\$3,600.00	\$420.00
400	ESF System Pump Controls	LS	1.00	0.15	\$ 69,000.00	\$69,000.00	\$20,655.25	\$0.00	\$0.00	\$20,655.25	29.94%	\$48,344.75	\$1,032.76
410	ESF 4" PVC ESF Distribution Pipe	LF	445.00	445.00	\$ 17.00	\$7,565.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$7,565.00	\$0.00
420	ESF 1.5" RCP ESF Distribution Pipe & Drain	LF	139.00	139.00	\$ 38.00	\$5,282.00	\$3,458.00	\$1,824.00	\$0.00	\$5,282.00	100.00%	\$0.00	\$264.10
430	ESF 6" PVC ESF Drain Pipe	LF	387.00	387.00	\$ 23.00	\$8,901.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$8,901.00	\$0.00
440	ESF 6" PVC ESF Perf. Pipe Drain	LF	233.00	233.00	\$ 16.00	\$3,728.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$3,728.00	\$0.00
450	6" HDPE ESF Pipe Cleanout	EA	8.00	8.00	\$ 400.00	\$3,200.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$3,200.00	\$0.00
460	ESF System Bubblers	EA	8.00	8.00	\$ 420.00	\$3,360.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$3,360.00	\$0.00
470	ESF System Automated Valve Vault	LS	1.00	0.50	\$ 28,900.00	\$28,900.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$14,450.00	\$722.50
480	ESF System Manual Valve Vault	LS	1.00	0.50	\$ 35,700.00	\$35,700.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$17,850.00	\$892.50
490	ESF Electrical System Distribution	LS	1.00	0.00	\$ 7,000.00	\$7,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$7,000.00	\$0.00
500	ESF Electrical - Perm. Service from Xcel	LS	1.00	1.00	\$ 20,000.00	\$20,000.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$20,000.00	\$0.00

510	Catch Basin Inlet Protection	EA	2.00	2.00	\$	280.00	\$560.00	\$560.00	\$0.00	\$0.00	\$0.00	\$0.00	\$560.00	\$560.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$280.00
520	Ditch Check	CY	16.00	42.00	\$	150.00	\$2,400.00	\$6,300.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,300.00	\$6,300.00	\$0.00	\$0.00	\$0.00	\$0.00	262.50%	(\$3,900.00)	\$315.00
530	Silt Fence	LF	1,800.00	1,045.00	\$	3.00	\$5,400.00	\$3,135.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,135.00	\$3,135.00	\$0.00	\$0.00	\$0.00	\$0.00	58.06%	\$2,265.00	\$156.75
540	Silt Fence Heavy Duty	LF	2,800.00	2,800.00	\$	3.70	\$10,360.00	\$10,360.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,360.00	\$10,360.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$518.00
550	Sediment Control Fiber Roll	LF	500.00	510.00	\$	4.50	\$2,250.00	\$2,295.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,295.00	\$2,295.00	\$0.00	\$0.00	\$0.00	\$0.00	102.00%	(\$45.00)	\$114.75
560	Sediment Control Filter Roll Heavy Duty	LF	5,000.00	1,660.00	\$	5.40	\$7,236.00	\$6,723.00	\$2,241.00	\$0.00	\$0.00	\$0.00	\$8,964.00	\$8,964.00	\$0.00	\$0.00	\$0.00	\$0.00	33.20%	\$18,036.00	\$448.20
570	Erosion Control Blanket Heavy Duty	SY	3,780.00	4,095.00	\$	7.00	\$26,460.00	\$28,665.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28,665.00	\$28,665.00	\$0.00	\$0.00	\$0.00	\$0.00	108.33%	(\$2,205.00)	\$1,433.25
580	Hydro Mulch	AC	8.80	8.80	\$	5,660.00	\$49,280.00	\$49,280.00	\$0.00	\$0.00	\$0.00	\$0.00	\$49,280.00	\$49,280.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$2,464.00
590	Seed Mix 25-151	AC	3.50	3.50	\$	1,500.00	\$5,250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$5,250.00	\$0.00
600	Seed Mix 34-181	AC	2.60	1.95	\$	1,410.00	\$3,666.00	\$1,692.00	\$1,057.50	\$0.00	\$0.00	\$0.00	\$2,749.50	\$2,749.50	\$0.00	\$0.00	\$0.00	\$0.00	75.00%	\$916.50	\$137.48
610	Seed Mix 34-261	AC	2.00	1.50	\$	1,860.00	\$3,720.00	\$1,246.20	\$1,543.80	\$0.00	\$0.00	\$0.00	\$2,790.00	\$2,790.00	\$0.00	\$0.00	\$0.00	\$0.00	75.00%	\$930.50	\$139.50
620	Seed Mix 34-271	AC	1.70	1.26	\$	2,200.00	\$3,740.00	\$2,772.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,772.00	\$2,772.00	\$0.00	\$0.00	\$0.00	\$0.00	74.12%	\$968.00	\$138.60
630	Seed Mix 35-221	AC	1.70	0.50	\$	1,750.00	\$2,975.00	\$0.00	\$875.00	\$0.00	\$0.00	\$0.00	\$875.00	\$875.00	\$0.00	\$0.00	\$0.00	\$0.00	29.41%	\$2,100.00	\$43.75
640	Seed Mix 36-211	AC	0.60	0.60	\$	1,790.00	\$1,074.00	\$0.00	\$1,074.00	\$0.00	\$0.00	\$0.00	\$1,074.00	\$1,074.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$53.70
650	Temp Seeding	AC	8.80	8.80	\$	900.00	\$7,920.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$7,920.00	\$0.00
660	Native Aquatic 2" Plug	EA	1,440.00	4.00	\$	4.00	\$5,760.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$5,760.00	\$0.00
670	Native Shrub 2 gallon	EA	275.00	43.00	\$	43.00	\$11,825.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$11,825.00	\$0.00
680	Native Tree #7 Container	EA	8.00	197.00	\$	4.00	\$1,576.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$1,576.00	\$0.00
690	Native Tree #25 Container	EA	14.00	480.00	\$	4.00	\$6,720.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$6,720.00	\$0.00
700	Herbivore Exclusive Fence	LF	1,440.00	5.00	\$	4.00	\$5,760.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$5,760.00	\$0.00
710	Relocate and Transplant Existing Trees	EA	5.00	800.00	\$	4.00	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$200.00
720	2017 Annual Maintenance	LS	1.00	1.00	\$	7,000.00	\$7,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$7,000.00	\$0.00
730	2018 Annual Maintenance	LS	1.00	1.00	\$	16,000.00	\$16,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$16,000.00	\$0.00
740	Traffic Control	LS	1.00	0.50	\$	2,500.00	\$2,500.00	\$1,250.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,250.00	\$1,250.00	\$0.00	\$0.00	\$0.00	\$0.00	50.00%	\$1,250.00	\$62.50
750	Temp Orange Construction Fence	LF	4,180.00	4,800.00	\$	3.40	\$14,212.00	\$16,320.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16,320.00	\$16,320.00	\$0.00	\$0.00	\$0.00	\$0.00	114.83%	(\$2,108.00)	\$816.00
760	Stabilized Construction Entrance/Exit	LS	2.00	2.00	\$	2,800.00	\$5,600.00	\$5,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,600.00	\$5,600.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$280.00
770	SWPPP Documentation and Mgt	LS	1.00	0.50	\$	10,000.00	\$10,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$0.00	\$0.00	\$0.00	\$0.00	50.00%	\$5,000.00	\$250.00
780	Street Sweeping	HR	100.00	68.00	\$	145.00	\$14,500.00	\$3,625.00	\$6,235.00	\$0.00	\$0.00	\$0.00	\$9,860.00	\$9,860.00	\$0.00	\$0.00	\$0.00	\$0.00	68.00%	\$4,640.00	\$493.00
	Change Order 1																				
	Crane Mob and Demob	EA	2.00	2.00	\$	2,000.00	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000.00	\$4,000.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$200.00
	Hydro Mulch Line Item Removed	AC	8.80	8.80	\$	(5,660.00)	(\$49,280.00)	(\$49,280.00)	\$0.00	\$0.00	\$0.00	\$0.00	(\$49,280.00)	(\$49,280.00)	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	(\$2,464.00)
a	RCWD provided erosion control blanket	LS	1.00	1.00	\$	1,500.00	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$75.00
b	RCWD provided erosion control blanket (stored)	LS	1.00	1.00	\$	1,500.00	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,500.00	\$1,500.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$75.00
c	RCWD Provided Materials install	SY	5,500.00	2,263.00	\$	4.31	\$23,705.00	\$9,753.53	\$0.00	\$0.00	\$0.00	\$0.00	\$9,753.53	\$9,753.53	\$0.00	\$0.00	\$0.00	\$0.00	41.15%	\$13,951.47	\$487.68
d	Fgl Erosion Control Blanket (type SCL508N)	SY	7,400.00	5,912.00	\$	3.57	\$26,418.00	\$18,599.70	\$2,506.14	\$0.00	\$0.00	\$0.00	\$21,105.84	\$21,105.84	\$0.00	\$0.00	\$0.00	\$0.00	79.89%	\$5,312.16	\$1,055.29
e	Fgl MANDOT Type 3 (weed free) Mulch	TON	12.20	1.21	\$	1,21.25	\$13,679.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$13,679.25	\$0.00
	Change Order 2																				
	Fgl and Maintain composite mat system	WK	6.00	6.00	\$	12,250.00	\$73,500.00	\$73,500.00	\$0.00	\$0.00	\$0.00	\$0.00	\$73,500.00	\$73,500.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$3,675.00
	Change Order 3																				
	Haul & Dispose of Additional DML-1	CY	5,000.00	5,000.00	\$	10.15	\$50,750.00	\$50,750.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50,750.00	\$50,750.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$2,537.50
	Change Order 4																				
1	Stockpile Re-grade per FO-010	LS	1.00	1.00	\$	18,829.20	\$18,829.20	\$18,829.20	\$0.00	\$0.00	\$0.00	\$0.00	\$18,829.20	\$18,829.20	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$941.46
2	Additional Haul Off of DML-1 Material	CY	5,000.00	4,810.00	\$	10.15	\$50,750.00	\$48,821.50	\$0.00	\$0.00	\$0.00	\$0.00	\$48,821.50	\$48,821.50	\$0.00	\$0.00	\$0.00	\$0.00	96.20%	\$1,928.50	\$7,441.08
3	Revision to use of Composite Matting System	WK	4.00	4.00	\$	(12,250.00)	(\$49,000.00)	(\$49,000.00)	\$0.00	\$0.00	\$0.00	\$0.00	(\$49,000.00)	(\$49,000.00)	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	(\$2,450.00)
4	Temp Seeding per project shutdown per FO-011	LS	1.00	1.00	\$	2,386.10	\$2,386.10	\$0.00	\$2,386.10	\$0.00	\$0.00	\$0.00	\$2,386.10	\$2,386.10	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$119.31
	Additional Construction Fence to delineate no-excavated areas within existing pond limits to																				
5	recommode perfect shutdown	LF	1,650.00	1,650.00	\$	3.40	\$5,610.00	\$5,610.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,610.00	\$5,610.00	\$0.00	\$0.00	\$0.00	\$0.00	100.00%	\$0.00	\$280.50
	Additional Seeding to restore interim grades on																				
6	Stockpile per project shutdown	AC	3.00	1.65	\$	3,581.60	\$10,744.80	\$0.00	\$5,909.64	\$0.00	\$0.00	\$0.00	\$5,909.64	\$5,909.64	\$0.00	\$0.00	\$0.00	\$0.00	55.00%	\$4,835.16	\$295.48

7	Additional Common Excavation volume per post	CY	2,152.00	2,152.00	\$	5.60	\$12,051.20	\$12,051.20	\$0.00	\$0.00	\$0.00	\$12,051.20	100.00%	\$0.00	\$602.28
8	Removal of Excess DML-3 tonnage from contract as a result of changed density	TON	(7,897.27)	(7,897.27)	\$	21.30	(\$168,211.85)	(\$168,211.85)	(\$0.00)	\$0.00	(\$168,211.85)	100.00%	\$0.00	(\$38,410.59)	
9	Revised Unit Price of DML-3 adjusted actual density	TON	12,114.73	12,114.73	\$	6.67	\$80,805.25	\$80,805.25	(\$0.00)	\$0.00	\$80,805.25	100.00%	\$0.00	\$4,040.26	
10	Remove Contract Item #54 - Silt Fence - Heavy Duty Installation	LF	(2,800.00)	(2,800.00)	\$	3.70	(\$10,360.00)	(\$10,360.00)	\$0.00	\$0.00	(\$10,360.00)	100.00%	\$0.00	(\$518.00)	
11	Remove portion (50%) of contract item #11 - Stockpile dewatering pipe	LF	(500.00)	(500.00)	\$	3.00	(\$1,500.00)	(\$1,500.00)	\$0.00	\$0.00	(\$1,500.00)	100.00%	\$0.00	(\$75.00)	
GRAND TOTALS							\$2,866,357.07	\$1,794,997.63	\$61,812.19	\$0.00	\$1,856,809.82	64.78%	\$1,009,547.25	\$92,840.49	

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G703-1992

ITEMS REQUIRING BOARD ACTION

4. Consider Washington Judicial Ditch 2, Branch 2 Repair Task Order. (Phil Belfiori)

MEMORANDUM

Rice Creek Watershed District

To: Board of Managers

Date: April 19, 2017

From: Phil Belfiori

Subject: HEI Task Order for Washington Judicial Ditch 2 Branch 2 Repair Memorandum

As a follow-up to the Board consensus at the April 10, 2017 Board workshop meeting, please find attached for Board consideration, Houston Engineering's (HEI) task order 2017-014 related to Washington Judicial Ditch (WJD) 2 Branch 2 Repair Memorandum.

The professional services to be provided are identified in the attached HEI document and include :

- Development of a repair memorandum to detail the repair methods;
- Outline regulatory requirements for the proposed repair;
- Provide an opinion of probable construction costs.

It should be noted that per the Board discussion at the April 10th workshop, only one alternative (repair to the official mediated profile) will be reviewed by HEI as part of the task-order. HEI has estimated the total cost of services at \$ 18,600. The estimated total cost for these services was included in the approved RCWD 2017 budget. Funds for this effort will come out of fund 80-03 – Repair reports fund.

Recommendation

Based on HEI recommendation and Board consensus at the April 10, 2017 Board workshop meeting, staff recommends Board approval of the Houston Engineering request for services with a total cost of \$18,600 as defined in attached HEI Task Order 2017-14 dated March 29, 2017.

Proposed Motion: Manager _____ moves to approve the Houston Engineering request for services with a total cost of **\$18,600** as defined in the attached HEI Task Order 2017-14 dated March 29, 2017 and authorize the Board President to execute the document.

Attachments:

- HEI Task Order 2017-14 dated March 29, 2017.

RCWD Administrative Information:

Account Number: 80-03
Account Name: Repair Reports

Houston Engineering Project No.: R155555-258 Phase 003

Task Order Purpose:

The purpose of this project is to complete a repair memorandum for Branch 2 of the Washington County Judicial Ditch 2 (JD 2) public drainage system. In 2015, the Rice Creek Watershed District (RCWD) completed a field investigation using an unmanned aircraft and physical site survey to determine the condition of Branch 2. The summary memorandum for the investigation concluded that Branch 2 is in need of a full repair and recommended the RCWD prepare a repair memorandum. The purpose of the repair memorandum is to detail the repair methods, outline regulatory requirements, and provide an opinion of probable construction costs.

Professional Services Rendered:

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

- Complete a determination of potential impacts to public waters and wetlands resulting from a repair to the Official Mediated Profile; and
- Prepare a memorandum summarizing the benefits, costs, and regulatory requirements for a full repair to the Official Mediated Profile.

Deliverables:

The deliverables for the Task Order consist of:

- Wetland field review report;
- Draft and final repair memoranda; and
- Presentation to Board of Managers.

Schedule and Compensation:

The work will be completed no later than August 31, 2017. HEI recommends that the RCWD budget the amount of **\$18,600** for engineering services described within this task order (see **Attachment A**). HEI shall not exceed this amount for the completion of this work without prior authorization from the Rice Creek Watershed District.

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. There will be no need for additional survey data.
2. Determination of the As Constructed and Subsequently Improved Condition will not be required.
3. Only one alternative (repair to the Official Mediated Profile) will be reviewed.
4. Two meetings will be required: one with the Technical Evaluation Panel and one Board Workshop.

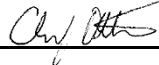
SIGNATURES:

This services described in 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, 2017** as authorized by the signatures of representatives of the Rice Creek Watershed District and Houston Engineering, Inc.

Rice Creek Watershed District

By: _____
Name: Patricia Preiner
Title: President
Date: _____

Houston Engineering, Inc.

By: 
Name: Christopher C. Otterness
Title: District Engineer
Date: March 29, 2017

**Attachment A
ESTIMATED BUDGET
Judicial Ditch 2 Branch 2 Repair Memorandum**

Date Prepared: March 29, 2017
Prepared by: G. Monson
Check by: C. Otterness

**\$18,543
\$68
\$18,611**

TASK DESCRIPTION	District Engineer	Professional Engineer	Graduate Engineer	Environmental Scientist	GIS Technician	Total	
	CO	GM	IOH	EB	BG	Hours	Dollars
	Total Labor Total Labor	GM \$5,040	IOH \$4,848	EB \$6,985	BG \$900	160 \$18,543	
Project Totals	5	40	48	55	12	160	\$18,543
Task 1 - Document Existing Conditions	0	1	3	0	0	4	\$429
Plan and Profile Drawings of Existing Conditions and ACSIC	0	1	3	0	0	4	\$429
Set up plan and profile drawings			1				
Prepare existing conditions profile			1				
Prepare Official Mediated profile		1	1				
Task 2 - Regulatory Considerations	1	11	14	54	4	84	\$10,112
Wetland Delineation	0	5	0	40	0	45	\$5,710
Wetland delineation field time		1		8			
Delineation report		3		24			
TEP meeting / review		1		8			
Description of regulator considerations	1	6	14	14	4	39	\$4,402
Prepare text regarding recommended process for regulatory approval		1		12			
Modify existing conditions continuous sim model to reflect full repair option		1	8				
Evaluate impacts using Van Schilfgaard method		2	6		4		
Strategies for permitting / Consultation with District legal counsel	1	2		2			
Task 3 - Complete Technical Analysis and Prepare Draft of the Repair Memorandum	2	12	25	0	8	47	\$4,945
Repair plans	1	1	5	0	0	7	\$785
Draft plans of the proposed repair in CAD			4				
QA/QC plans	1	1	1				
Prepare Preliminary Opinions of Probable Cost / Benefits Analysis	0	1	8	0	0	9	\$934
Determine construction quantities from functional design		0.5	4				
Obtain unit cost and complete POPCC		0.5	4				
Prepare draft memorandum	1	10	12	0	8	31	\$3,226
Existing Conditions		0.5	2				
Costs/Benefits		1	3				
Conclusions and Recommendations		3	1				
Figures		1	1		8		
QA/QC memo	1	4	1				
Revise repair memo based on District staff/legal counsel comments		0.5	4				
Task 4 -Present to Board of Managers and Project Coordination	2	16	6	1	0	25	\$3,057
Project Coordination	1	9	1	1	0	12	\$1,516
Meetings/correspondence with District staff	1	6					
Internal meetings/coordination		3	1	1			
Presentation to Board of Managers	1	7	5	0	0	13	\$1,541
Prepare powerpoint presentation	1	3	5				
Present to Board		4					

Assumptions:

- 1 There will be no need for additional survey data.
- 2 Determination of the As Constructed and Subsequently Improved Conditions will not be required.
- 3 Only one alternative (repair to the Official Mediated Profiled) will be reviewed.
- 4 There will be two meetings. One TEP meeting and one Board Workshop.

ITEMS REQUIRING BOARD ACTION

6. Consider Check Register dated April 26, 2017, in the amount of \$324,079.77 prepared by Redpath and Company.

Rice Creek Watershed District
Check Register
April 13, 2107 - April 26, 2017
To Be Approved at the April 26, 2017 Board Meeting

Check #	Date	Payee	Description	Amount
21500	04/26/17	AgriDrain Corporation	Supplies-Field	\$521.72
21501	04/26/17	Anoka Conservation District	Contracted Services	4,500.00
21502	04/26/17	Anoka County Property Records	Property Acquisition	188.31
21503	04/26/17	Kyle Axtell	Employee Reimbursement	23.01
21504	04/26/17	Bearance Management Group	Insurance & Bonds	100.00
21505	04/26/17	Philip Belfiori	Employee Reimbursement	214.99
21506	04/26/17	Samantha Berger	Employee Reimbursement	36.38
21507	04/26/17	Blaine Associates, LLC	Rent	6,233.10
21508	04/26/17	Michael J. Bradley	Manager Per Diem/Expense	330.55
21509	04/26/17	Elizabeth H. Carreno	Employee Reimbursement	161.65
21510	04/26/17	City of Shoreview	Training & Education	100.00
21511	04/26/17	City of Roseville	Construction Expense	26,256.00
21512	04/26/17	Computer Revolution	Professional Services	1,157.50
21513	04/26/17	Delta Dental	Employee Benefits	979.65
21514	04/26/17	Dynamex	Postage	27.75
21515	04/26/17	ECM Publishers, Inc.	Legal Notices	194.80
21516	04/26/17	Emmons & Olivier Resources, Inc.	March, 2017 Engineering	453.43
21517	04/26/17	HealthPartners	Employee Benefits	7,551.54
21518	04/26/17	Holiday Credit	Vehicle Expense	520.36
21519	04/26/17	Home Depot	Supplies-Field/Construction Expense	628.47
21520	04/26/17	Houston Engineering, Inc.	March, 2017 Engineering	170,388.15
21521	04/26/17	Instrumental Research, Inc.	Lab Expense	1,382.00
21522	04/26/17	Integra Telecom, Inc.	Telecommunications	814.43
21523	04/26/17	Matthew J. Kocian	Employee Reimbursement	943.73
21524	04/26/17	Larson Records Management	Professional Services	55.86
21525	04/26/17	League of MN Cities Ins., Trust	Insurance & Bonds	3,821.00
21526	04/26/17	Lenfer Automitive & Transmission	Vehicle Expense	586.82
21527	04/26/17	Marlin Business Bank	Equipment-Computer	378.98
21528	04/26/17	Catherine A. Nester	Employee Reimbursement	24.95
21529	04/26/17	Office Depot	Office Supplies	173.63
21530	04/26/17	Premium Waters, Inc.	Meeting Supplies	75.89
21531	04/26/17	Patricia L. Preiner	Manager Per Diem/Expense	495.04
21532	04/26/17	Ramsey Conservation District	Contracted Services	9,464.84
21533	04/26/17	Redpath & Company, LTD	March, 2017 Accounting	3,117.85
21534	04/26/17	Rinke Noonan	March, 2017 Legal Fees	9,177.00
21535	04/26/17	Lauren S. Sampedro	Employee Reimbursement	14.12
21536	04/26/17	Scandia Trucking & Excavating	Contracted Services	8,550.00
21537	04/26/17	Doug Setley	Professional Services	75.00
21538	04/26/17	Theresa M. Stasica	Employee Reimbursement	2,101.21
21539	04/26/17	St. Paul Pioneer Press	Legal Notices	207.80

Rice Creek Watershed District
Check Register
April 13, 2107 - April 26, 2017
To Be Approved at the April 26, 2017 Board Meeting

Check #	Date	Payee	Description	Amount
21540	04/26/17	Timesavers, Inc.	Professional Services	993.00
21541	04/26/17	Nicholas A. Tomczik	Employee Reimbursement	920.63
21542	04/26/17	U.S. Bank Equipment Finance, Inc.	Equipment Lease	249.98
21543	04/26/17	Verizon Wireless	Cell Phone Expense	542.58
21544	04/26/17	Steven P. Wagamon	Manager Per Diem/Expense	492.09
21545	04/26/17	Washington Conservation District	Training & Education/Contracted Serv.	2,226.00
21546	04/26/17	Washington County Taxation Div.	Professional Services	537.00
21547	04/26/17	Washington County	Acquisitions	207.46
21548	04/26/17	Smith Partners	March, 2017 Legal Fees	12,923.34
21549	04/26/17	Sun Life Financial	Employee Benefits	882.96
10896	04/26/17	Craig Marshall	Surety Release - #97-155	2,000.00
Dir.Dep.	04/28/17	April 28th Direct Deposits	April 28th Direct Deposits	22,086.79
Dir.Dep.	04/28/17	John Waller	Manager Per Diem/Expense	659.91
EFT	04/26/17	Card Services - Anchor Bank	March/April Credit Card	1,277.34
EFT	04/26/17	Internal Revenue Service	04/26 Federal Withholding	172.12
EFT	04/28/17	Internal Revenue Service	04/28 Federal Withholding	8,305.67
EFT	04/28/17	Minnesota Dept. of Revenue	04/28 State Withholding	1,390.60
EFT	04/28/17	Empower Retirement	04/28 Deferred Compensation	754.00
EFT	04/28/17	Empower Retirement	04/28 Health Care Savings Plan	757.88
EFT	04/28/17	PERA	04/28 PERA	4,672.91
Total				<u><u>\$324,079.77</u></u>

Rice Creek Watershed District Budget Status Report
Administrative & Program Budget
Fiscal Year 2017
4/30/2017

Combined General & Administrative	Budget Item	Account Number	Original Budget	Budget Adjustment	Current Month Expenses	Year-to-Date Expenses	Current Budget Balance	Percent of Budget
Manager	Per diems	4000	\$15,000.00	-	\$1,725.00	\$4,650.00	\$10,350.00	31.00%
	Manager expenses	4010	4,500.00	-	436.03	1,053.96	3,446.04	23.42%
Committees	Committee/Bd Mtg. Exp.	4800	-	-	-	-	-	-
Employees	Staff salary/taxes/benefits	4100-4140	158,552.00	-	13,642.18	54,267.65	104,284.35	34.23%
	District training & education	4265	2,476.00	-	100.00	400.00	2,076.00	16.16%
	Employee expenses	4320-4321	1,573.00	-	176.56	422.67	1,150.33	26.87%
Administration/ Office	Office/Meeting/Software	4200-4205	3,140.00	-	300.98	698.36	2,441.64	22.24%
	Printing	4208	525.00	-	-	-	525.00	0.00%
	Rent/Office	4210	18,146.00	-	1,394.97	5,579.88	12,566.12	30.75%
	Telecommunications	4240	4,019.00	-	285.48	1,146.66	2,872.34	28.53%
	Dues	4245	6,286.00	-	-	4,000.00	2,286.00	63.63%
	Publications	4250	210.00	-	-	10.80	199.20	5.14%
	Insurance	4270	4,236.00	-	955.14	4,875.44	(639.44)	115.10%
	Postage	4280	1,155.00	-	-	-	1,155.00	0.00%
	Legal Notices	4290	2,000.00	-	-	-	2,000.00	0.00%
	Office Equipment/Lease	4635	2,187.00	-	111.90	1,148.54	1,038.46	52.52%
	Bank Charges	4910	-	-	-	10.00000	-	-
	Sub-Total-Administration:			224,005.00	-	19,128.24	78,263.96	145,751.04
Consultants	Auditor/Accounting	4330	57,477.00	-	3,117.85	15,129.39	42,347.61	26.32%
	Legal	4410	28,724.00	-	6,353.38	9,721.96	19,002.04	33.85%
	Consultants/Professional Serv.	4420	15,000.00	-	1,068.00	4,537.92	10,462.08	30.25%
	Engineering-General	4500	60,000.00	-	3,250.00	10,606.50	49,393.50	17.68%
Sub-Total-Consultants:			161,201.00	-	13,789.23	39,995.77	121,205.23	24.81%
TOTAL			\$385,206.00	-	\$32,917.47	\$118,259.73	\$266,956.27	30.70%

Rice Creek Watershed District Budget Status Report
Administrative & Program Budget
Fiscal Year 2017
4/30/2017

Revenue/Expenditures By Project	2017 Budget	2017 Year to date Revenue	2017 Current Month Expense	2017 Year to date Expense	Current Budget Balance	Percent of Budget
10 - General and Administrative	\$385,206.00	\$127,848.78	\$32,917.47	\$118,259.73	\$266,946.27	30.70%
30 - Environmental Education	123,235.00	39,456.22	9,879.14	41,546.04	81,688.96	33.71%
35 - Information Management	110,926.00	36,927.76	6,728.60	32,918.21	78,007.79	29.68%
60 - Restoration Projects	5,372,332.00	490,152.77	109,800.76	1,994,284.67	3,378,047.33	37.12%
70 - Regulatory	908,791.00	323,791.99	102,887.98	260,058.89	648,732.11	28.62%
80 - Ditch & Creek Maintenance	1,242,740.00	182,084.55	44,121.50	255,939.62	986,800.38	20.59%
90 - Lake & Stream Management	985,869.00	326,531.68	38,364.62	115,059.09	870,809.91	11.67%
95 - District Facilities	160,000.00	53,243.86	12,784.98	28,294.94	131,705.06	17.68%
Total District Revenue/Expenditures	\$9,289,099.00	\$1,580,037.61	\$357,485.05	\$2,846,361.19	\$6,442,737.81	30.64%

Current Fund Balances:

Fund:	Unaudited Fund Balance @ 12/31/2016	Fund Balance Transfers	Fund Balance 1/1/2017	2017 Year to date Revenue	2017 Current Month Expense	2017 Year to date Expense	Unaudited Fund Balance @ 4/30/2017
10 - General Fund	\$123,604.89	-	\$123,604.89	\$127,848.78	\$32,917.47	\$118,259.73	\$133,193.94
30 - Environmental Education	89,656.10	-	89,656.10	39,456.22	9,879.14	41,546.04	87,566.28
35 - Information Management	129,362.65	-	129,362.65	36,927.76	6,728.60	32,918.21	133,372.20
60 - Restoration Projects	2,843,111.49	-	2,843,111.49	490,152.77	109,800.76	1,994,284.67	1,338,979.59
70 - Regulatory	479,437.57	-	479,437.57	323,791.99	102,887.98	260,058.89	543,170.67
80 - Ditch & Creek Maintenance	195,646.77	-	195,646.77	182,084.55	44,121.50	255,939.62	121,791.70
90 - Lake & Stream Management	2,862,552.86	-	2,862,552.86	326,531.68	38,364.62	115,059.09	3,074,025.45
95 - District Facilities	885,571.43	-	885,571.43	53,243.86	12,784.98	28,294.94	910,520.35
Total District Fund Balance:	\$7,608,943.76	-	\$7,608,943.76	\$1,580,037.61	\$357,485.05	\$2,846,361.19	\$6,342,620.18

Rice Creek Watershed District
Statement of Revenue and Expenditures - General Fund - 10
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>GENERAL FUND</u>				
Revenues				
General Property Tax	\$ 31,189.08	\$ 124,756.33	374,269.00	(249,512.67)
Interest Revenue	0.00	494.36	2,129.00	(1,634.64)
Investment Interest-Surety	0.00	2,325.55	8,808.00	(6,482.45)
Miscellaneous Revenue	0.00	272.54	0.00	272.54
Total Revenues	31,189.08	127,848.78	385,206.00	(257,357.22)
Expenses				
Manager Per Diem	1,725.00	4,650.00	15,000.00	(10,350.00)
Manager Expense	0.00	0.00	2,000.00	(2,000.00)
Manager Travel	436.03	1,053.96	2,500.00	(1,446.04)
Wages-General	9,485.12	38,000.47	116,032.00	(78,031.53)
Benefits	1,839.53	7,304.18	14,875.00	(7,570.82)
PERA Expense	711.39	2,850.05	8,449.00	(5,598.95)
HSA Contributions	757.88	2,976.32	8,578.00	(5,601.68)
Payroll Taxes	848.26	3,136.63	8,618.00	(5,481.37)
Payroll Taxes-Unemployment	0.00	0.00	2,000.00	(2,000.00)
Office Supplies	188.10	330.15	1,890.00	(1,559.85)
Supplies-Field	0.00	0.00	250.00	(250.00)
Meeting Supplies/Expense	112.88	368.21	1,000.00	(631.79)
Printing	0.00	0.00	525.00	(525.00)
Rent	1,394.97	5,579.88	18,146.00	(12,566.12)
Telecommunications	285.48	1,146.66	4,019.00	(2,872.34)
Dues	0.00	4,000.00	6,286.00	(2,286.00)
Publications	0.00	10.80	210.00	(199.20)
Training & Education	100.00	400.00	2,476.00	(2,076.00)
Insurance & Bonds	955.14	4,875.44	4,236.00	639.44
Postage	0.00	0.00	1,155.00	(1,155.00)
Legal Notices-General	0.00	0.00	2,000.00	(2,000.00)
Staff Travel	176.56	422.67	1,573.00	(1,150.33)
Audit & Accounting	3,117.85	15,129.39	57,477.00	(42,347.61)
Professional Services-General	1,068.00	4,537.92	15,000.00	(10,462.08)
Legal Fees-General	6,353.38	9,721.96	28,724.00	(19,002.04)
Engineering-General	3,250.00	10,606.50	60,000.00	(49,393.50)
Equipment Lease	111.90	1,148.54	2,187.00	(1,038.46)
Bank Charges	0.00	10.00	0.00	10.00
Total Expenses	32,917.47	118,259.73	385,206.00	(266,946.27)
Total Revenues Over/(Under) Expenditures - General Fund	(1,728.39)	9,589.05	0.00	9,589.05
Total Revenue Over/(Under) Expenditure	\$ (1,728.39)	9,589.05	0.00	9,589.05

Rice Creek Watershed District
Statement of Revenue and Expenditures - Environmental Education - 30
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>ENVIRONMENTAL EDUCATION MANAGEMENT - 30-00</u>				
Revenues				
General Property Tax	\$ 7,521.08	\$ 30,084.32	90,253.00	(60,168.68)
Interest Income	0.00	158.13	681.00	(522.87)
Miscellaneous Income	0.00	113.77	5,000.00	(4,886.23)
Total Revenues	7,521.08	30,356.22	95,934.00	(65,577.78)
Expenses				
Wages-Environmental	4,766.84	19,074.36	56,948.00	(37,873.64)
Benefits-Environmental	801.08	3,430.43	11,332.00	(7,901.57)
PERA-Environmental	357.52	1,430.58	4,147.00	(2,716.42)
Payroll Taxes-Environmental	363.07	1,431.70	4,230.00	(2,798.30)
Office Supplies	16.30	38.82	810.00	(771.18)
Printing	0.00	0.00	225.00	(225.00)
Rent	585.29	2,341.16	7,777.00	(5,435.84)
Telecommunications	89.60	358.95	1,723.00	(1,364.05)
Publications	0.00	0.00	90.00	(90.00)
Training & Education	0.00	0.00	1,061.00	(1,061.00)
Insurance and Bonds	358.79	2,003.64	1,815.00	188.64
Postage	0.00	0.00	495.00	(495.00)
Staff Travel	124.66	423.20	674.00	(250.80)
Professional Services	0.00	0.00	825.00	(825.00)
Legal Fees	82.91	82.91	600.00	(517.09)
Engineering-Environ.	0.00	0.00	1,245.00	(1,245.00)
Equipment-Environmental	0.00	0.00	1,000.00	(1,000.00)
Equipment-Lease	46.94	481.89	937.00	(455.11)
Total Expenses	7,593.00	31,097.64	95,934.00	(64,836.36)
Total Revenues Over/(Under)				
Expenditures - Environmental Education	(71.92)	(741.42)	0.00	(741.42)
<u>WATER EDUCATION & OUTREACH - 30-02</u>				
Revenues				
General Property Tax	1,833.33	7,333.32	22,000.00	(14,666.68)
Total Revenues	1,833.33	7,333.32	22,000.00	(14,666.68)
Expenses				
Meeting Supplies/Expense	0.00	0.00	700.00	(700.00)
Printing	0.00	0.00	1,800.00	(1,800.00)
Training & Education	644.00	5,767.00	17,500.00	(11,733.00)
Contracted Services	1,584.00	1,584.00	2,000.00	(416.00)
Total expenses	2,228.00	7,351.00	22,000.00	(14,649.00)
Total Revenues Over/(Under)				
Expenditures - Water Educ. & Outreach	(394.67)	(17.68)	0.00	(17.68)

Rice Creek Watershed District
Statement of Revenue and Expenditures - Environmental Education - 30
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>BLUE THUMB - 30-03</u>				
Revenues				
General Property Tax	441.67	1,766.68	5,300.00	(3,533.32)
Total Revenues	441.67	1,766.68	5,300.00	(3,533.32)
Expenses				
Training & Education	58.14	597.40	300.00	297.40
Contracted Services	0.00	2,500.00	5,000.00	(2,500.00)
Total expenses	58.14	3,097.40	5,300.00	(2,202.60)
Total Revenues Over/(Under)				
Expenditures - Blue Thumb	383.53	(1,330.72)	0.00	(1,330.72)
Total Revenue Over/(Under) Expenditure	\$ (83.06)	\$ (2,089.82)	0.00	(2,089.82)

Rice Creek Watershed District
Statement of Revenue and Expenditures - Information & Technology Management - 35
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>INFORMATION MANAGEMENT - 35-00</u>				
Revenues				
General Property Tax	\$ 6,276.08	\$ 25,104.32	75,313.00	(50,208.68)
Interest Revenue	0.00	142.34	613.00	(470.66)
Miscellaneous Income	0.00	14.42	0.00	14.42
Total Revenues	6,276.08	25,261.08	75,926.00	(50,664.92)
Expenses				
Wages-Information Mgmt.	2,567.41	10,109.15	29,894.00	(19,784.85)
Benefits-Information Mgmt.	52.08	236.97	3,453.00	(3,216.03)
PERA-Information Mgmt.	192.56	758.18	2,177.00	(1,418.82)
Payroll Taxes-Information Mgmt	192.56	779.21	2,220.00	(1,440.79)
Office Supplies	2.07	4.93	90.00	(85.07)
Computer Software	0.00	701.58	1,800.00	(1,098.42)
Printing	0.00	0.00	25.00	(25.00)
Rent	74.17	296.68	864.00	(567.32)
Telecommunications	11.35	45.48	191.00	(145.52)
Publications	0.00	0.00	10.00	(10.00)
Training & Education	0.00	0.00	118.00	(118.00)
Insurance and Bonds	45.47	253.92	202.00	51.92
Postage	0.00	0.00	55.00	(55.00)
Staff Travel	0.00	0.00	75.00	(75.00)
Professional Services	1,157.50	5,517.55	20,000.00	(14,482.45)
Contracted Services	0.00	0.00	100.00	(100.00)
Legal Fees	10.51	10.51	0.00	10.51
Equipment-Computer	378.98	1,769.48	14,548.00	(12,778.52)
Equipment Lease	5.94	61.07	104.00	(42.93)
Total Expenses	4,690.60	20,544.71	75,926.00	(55,381.29)
Total Revenues Over/(Under)				
Expenditures - Information Management	1,585.48	4,716.37	0.00	4,716.37
<u>INFORMATION MANAGMENT - 35-05</u>				
Revenues				
General Property Tax	2,916.67	11,666.68	35,000.00	(23,333.32)
Total Revenues	2,916.67	11,666.68	35,000.00	(23,333.32)
Expenses				
Engineering	2,038.00	12,373.50	35,000.00	(22,626.50)
Total expenses	2,038.00	12,373.50	35,000.00	(22,626.50)
Total Revenues Over/(Under)				
Expenditures - Information Mgmt.	878.67	(706.82)	0.00	(706.82)
Total Revenue Over/(Under) Expenditure	\$ 2,464.15	\$ 4,009.55	0.00	4,009.55

Rice Creek Watershed District
Statement of Revenue and Expenditures - Restoration Projects - 60
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>RESTORATION PROJECT MANAGEMENT - 60-00</u>				
Revenues				
General Property Tax	\$ 10,422.75	\$ 41,691.00	125,073.00	(83,382.00)
Interest Revenue	0.00	6,894.68	29,692.00	(22,797.32)
Miscellaneous Income	0.00	81.90	0.00	81.90
Total Revenues	10,422.75	48,667.58	154,765.00	(106,097.42)
Expenses				
Wages-Restoration Projects	7,884.50	31,530.65	95,822.00	(64,291.35)
Benefits-Restoration Projects	387.10	1,711.18	11,766.00	(10,054.82)
PERA-Restoration Projects	591.34	2,364.81	6,974.00	(4,609.19)
Payroll Taxes-Restoration	552.45	2,257.67	7,138.00	(4,880.33)
Office Supplies	11.74	27.95	720.00	(692.05)
Printing	0.00	215.64	200.00	15.64
Rent	421.36	1,685.44	6,913.00	(5,227.56)
Telecommunications	119.47	480.91	1,531.00	(1,050.09)
Publications	52.00	52.00	80.00	(28.00)
Training & Education	0.00	169.05	943.00	(773.95)
Insurance and Bonds	258.30	1,442.45	1,614.00	(171.55)
Postage	0.00	6.80	440.00	(433.20)
Staff Travel	23.01	153.56	599.00	(445.44)
Vehciel Expense	503.24	503.24	9,000.00	(8,496.76)
Professional Services	0.00	177.08	2,000.00	(1,822.92)
Education & Communication	0.00	0.00	2,500.00	(2,500.00)
Legal Fees	59.69	59.69	1,000.00	(940.31)
Engineering	0.00	0.00	6,039.00	(6,039.00)
Equipment	0.00	0.00	500.00	(500.00)
Equipment Lease	33.80	346.93	833.00	(486.07)
Total Expenses	10,898.00	43,185.05	156,612.00	(113,426.95)
Total Revenues Over/(Under)				
Expenditures - Restoration Management	(475.25)	5,482.53	(1,847.00)	7,329.53
<u>RICE CREEK MEANDER RESTORATION - 60-03</u>				
Revenues				
General Property Tax	23,874.17	95,496.68	286,490.00	(190,993.32)
Total Revenues	23,874.17	95,496.68	286,490.00	(190,993.32)
Expenses				
Contracted Services	0.00	0.00	8,000.00	(8,000.00)
Legal Fees	494.50	1,750.50	2,720.00	(969.50)
Engineering-Rice Creek Meander	0.00	893.75	10,000.00	(9,106.25)
Construction-Rice Crk. Meander	0.00	0.00	270,000.00	(270,000.00)
Total expenses	494.50	2,644.25	290,720.00	(288,075.75)
Total Revenues Over/(Under)				
Expenditures - Rice Creek Meander	23,379.67	92,852.43	(4,230.00)	97,082.43

Rice Creek Watershed District
Statement of Revenue and Expenditures - Restoration Projects - 60
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>STORMWATER REMEDIATION - 60-15</u>				
Revenues				
General Property Tax	22,583.33	90,333.32	271,000.00	(180,666.68)
Total Revenues	<u>22,583.33</u>	<u>90,333.32</u>	<u>271,000.00</u>	<u>(180,666.68)</u>
Expenses				
Legal Notices	0.00	2,410.95	1,000.00	1,410.95
Legal Fees	0.00	0.00	500.00	(500.00)
Engineering	0.00	4,803.00	10,500.00	(5,697.00)
Construction	26,256.00	26,256.00	263,000.00	(236,744.00)
Total expenses	<u>26,256.00</u>	<u>33,469.95</u>	<u>275,000.00</u>	<u>(241,530.05)</u>
Total Revenues Over/(Under)				
Expenditures - Stormwater Redmediatio	(3,672.67)	56,863.37	(4,000.00)	60,863.37
<u>COLUMBUS RMP - 60-17</u>				
Revenues				
General Property Tax	821.25	3,285.00	9,855.00	(6,570.00)
Total Revenues	<u>821.25</u>	<u>3,285.00</u>	<u>9,855.00</u>	<u>(6,570.00)</u>
Expenses				
Legal Fees	0.00	0.00	1,000.00	(1,000.00)
Engineering	0.00	0.00	9,000.00	(9,000.00)
Total expenses	<u>0.00</u>	<u>0.00</u>	<u>10,000.00</u>	<u>(10,000.00)</u>
Total Revenues Over/(Under)				
Expenditures - Columbus RMP	821.25	3,285.00	(145.00)	3,430.00
<u>JD4 RMP IMPLEMENTATION - 60-18</u>				
Revenues				
General Property Tax	6,569.67	26,278.68	78,836.00	(52,557.32)
Miscellaneous Income	0.00	27.00	0.00	27.00
Total Revenues	<u>6,569.67</u>	<u>26,305.68</u>	<u>78,836.00</u>	<u>(52,530.32)</u>
Expenses				
Telecommunications	16.95	68.62	0.00	68.62
Contracted Services-JD4 RMP	0.00	24,999.00	21,500.00	3,499.00
Legal Fees	0.00	2,100.00	2,500.00	(400.00)
Engineering	33,711.50	48,110.75	56,000.00	(7,889.25)
Total expenses	<u>33,728.45</u>	<u>75,278.37</u>	<u>80,000.00</u>	<u>(4,721.63)</u>
Total Revenues Over/(Under)				
Expenditures - JD4 RMP Implement.	(27,158.78)	(48,972.69)	(1,164.00)	(47,808.69)

Rice Creek Watershed District
Statement of Revenue and Expenditures - Restoration Projects - 60
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>DISTRICT-WIDE SWMM MODEL-PHASE 2 - 60-19</u>				
Revenues				
General Property Tax	3,695.42	14,781.68	44,345.00	(29,563.32)
Total Revenues	3,695.42	14,781.68	44,345.00	(29,563.32)
Expenses				
Engineering-SWMM	14,734.25	22,405.75	45,000.00	(22,594.25)
Total expenses	14,734.25	22,405.75	45,000.00	(22,594.25)
Total Revenues Over/(Under)				
Expenditures - District-Wide SWMM	(11,038.83)	(7,624.07)	(655.00)	(6,969.07)
 <u>ACD 53/62 RMP IMPLEMENTATION - 60-21</u>				
Revenues				
General Property Tax	821.17	3,284.68	9,854.00	(6,569.32)
Total Revenues	821.17	3,284.68	9,854.00	(6,569.32)
Expenses				
Legal Notices	0.00	2,513.91	0.00	2,513.91
Engineering	0.00	0.00	10,000.00	(10,000.00)
Total expenses	0.00	2,513.91	10,000.00	(7,486.09)
Total Revenues Over/(Under)				
Expenditures - ACD 53/62 RMP Impleme	821.17	770.77	(146.00)	916.77
 <u>LINO LAKES RMP IMPLEMENTATION - 60-22</u>				
Revenues				
General Property Tax	1,642.42	6,569.68	19,709.00	(13,139.32)
Total Revenues	1,642.42	6,569.68	19,709.00	(13,139.32)
Expenses				
Legal Fees	0.00	0.00	3,000.00	(3,000.00)
Engineering	0.00	0.00	17,000.00	(17,000.00)
Total expenses	0.00	0.00	20,000.00	(20,000.00)
Total Revenues Over/(Under)				
Expenditures - Lino Lakes RMP	1,642.42	6,569.68	(291.00)	6,860.68

Rice Creek Watershed District
Statement of Revenue and Expenditures - Restoration Projects - 60
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>SW URBAN LAKE FLOOD MGMT. IMPLEMENTATION - 60-24</u>				
Revenues				
General Property Tax	8,622.67	34,490.68	103,472.00	(68,981.32)
Total Revenues	8,622.67	34,490.68	103,472.00	(68,981.32)
Expenses				
Postage	0.00	0.00	500.00	(500.00)
Legal Notices	0.00	0.00	1,000.00	(1,000.00)
Legal Fees	0.00	1,569.00	5,000.00	(3,431.00)
Property Acquisitions	188.31	188.31	0.00	188.31
Engineering	0.00	0.00	48,500.00	(48,500.00)
Construction	0.00	0.00	50,000.00	(50,000.00)
Total expenses	188.31	1,757.31	105,000.00	(103,242.69)
Total Revenues Over/(Under)				
Expenditures - Southwest Urban Lake	8,434.36	32,733.37	(1,528.00)	34,261.37
<u>JD 4/ACD 15 WMD - 60-25</u>				
Revenues				
JD 4-Special Assessments	2,083.33	8,333.32	25,000.00	(16,666.68)
Miscellaneous Income	0.00	650.44	0.00	650.44
Total Revenues	2,083.33	8,983.76	25,000.00	(16,016.24)
Expenses				
Professional Services	252.00	252.00	0.00	252.00
Contracted Services	0.00	425.93	15,000.00	(14,574.07)
Acquisitions	207.46	207.46	0.00	207.46
Engineering Expense	0.00	0.00	5,000.00	(5,000.00)
Construction-JD4	0.00	0.00	5,000.00	(5,000.00)
Total expenses	459.46	885.39	25,000.00	(24,114.61)
Total Revenues Over/(Under)				
Expenditures - JD 4/ACD 15 WMD	1,623.87	8,098.37	0.00	8,098.37
<u>PURCHASE OF WETLAND CREDITS - 60-27</u>				
Revenues				
General Property Tax	3,284.83	13,139.32	39,418.00	(26,278.68)
Total Revenues	3,284.83	13,139.32	39,418.00	(26,278.68)
Expenses				
Legal Notices	350.60	350.60	0.00	350.60
Legal Fees	105.00	861.00	3,000.00	(2,139.00)
Engineering	196.50	1,791.50	12,000.00	(10,208.50)
Wetland Credits	0.00	0.00	25,000.00	(25,000.00)
Total expenses	652.10	3,003.10	40,000.00	(36,996.90)
Total Revenues Over/(Under)				
Expenditures - Wetland Credits	2,632.73	10,136.22	(582.00)	10,718.22

Rice Creek Watershed District
Statement of Revenue and Expenditures - Restoration Projects - 60
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>ACD 53-62 WMD - 60-28</u>				
Revenues				
Income-ROW Charges	0.00	3,905.35	0.00	3,905.35
Total Revenues	0.00	3,905.35	0.00	3,905.35
Expenses				
Contracted Services	0.00	425.93	0.00	425.93
Engineering Expense	0.00	1,543.00	0.00	1,543.00
Total expenses	0.00	1,968.93	0.00	1,968.93
Total Revenues Over/(Under)				
Expenditures - ACD 53-62 WMD	0.00	1,936.42	0.00	1,936.42
 <u>CLEAR LAKE WATER QUALITY - 60-29</u>				
Revenues				
General Property Tax	5,748.42	22,993.68	68,981.00	(45,987.32)
Total Revenues	5,748.42	22,993.68	68,981.00	(45,987.32)
Expenses				
Legal Fees	0.00	1,602.60	0.00	1,602.60
Construction Expense	0.00	0.00	70,000.00	(70,000.00)
Total expenses	0.00	1,602.60	70,000.00	(68,397.40)
Total Revenues Over/(Under)				
Expenditures - Clear Lake	5,748.42	21,391.08	(1,019.00)	22,410.08
 <u>HANSEN PARK - 60-30</u>				
Revenues				
Total Revenues	0.00	0.00	0.00	0.00
Expenses				
Office Supplies	0.00	71.97	0.00	71.97
Supplies-Field	0.00	0.00	1,000.00	(1,000.00)
Printing	0.00	640.56	0.00	640.56
Training & Education	212.14	212.14	0.00	212.14
Legal Notices	0.00	0.00	1,000.00	(1,000.00)
Professional Services	0.00	0.00	8,000.00	(8,000.00)
Legal Fees	966.00	1,109.50	5,000.00	(3,890.50)
Engineering Expense	15,162.41	70,395.28	185,000.00	(114,604.72)
Construction Expense	85.39	1,317,804.13	3,100,000.00	(1,782,195.87)
Total expenses	16,425.94	1,390,233.58	3,300,000.00	(1,909,766.42)
Total Revenues Over/(Under)				
Expenditures - Hanson Park	(16,425.94)	(1,390,233.58)	(3,300,000.00)	1,909,766.42

Rice Creek Watershed District
Statement of Revenue and Expenditures - Restoration Projects - 60
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>MIRROR POND - 60-31</u>				
Revenues				
General Property Tax	23,730.50	94,922.00	284,766.00	(189,844.00)
Total Revenues	<u>23,730.50</u>	<u>94,922.00</u>	<u>284,766.00</u>	<u>(189,844.00)</u>
Expenses				
Legal Notices	0.00	0.00	5,000.00	(5,000.00)
Engineering Expense	0.00	0.00	70,000.00	(70,000.00)
Construction Expense	0.00	407,553.23	800,000.00	(392,446.77)
Total expenses	<u>0.00</u>	<u>407,553.23</u>	<u>875,000.00</u>	<u>(467,446.77)</u>
Total Revenues Over/(Under) Expenditures - Mirror Pond	<u>23,730.50</u>	<u>(312,631.23)</u>	<u>(590,234.00)</u>	<u>277,602.77</u>
 <u>ACD 53/62 BRANCH 2 REPAIR - 60-32</u>				
Revenues				
General Property Tax	5,748.42	22,993.68	68,981.00	(45,987.32)
Total Revenues	<u>5,748.42</u>	<u>22,993.68</u>	<u>68,981.00</u>	<u>(45,987.32)</u>
Expenses				
Legal Expense	1,991.50	2,516.50	10,000.00	(7,483.50)
Engineering Expense	3,972.25	5,266.75	50,000.00	(44,733.25)
Construction Expense	0.00	0.00	10,000.00	(10,000.00)
Total expenses	<u>5,963.75</u>	<u>7,783.25</u>	<u>70,000.00</u>	<u>(62,216.75)</u>
Total Revenues Over/(Under) Expenditures - ACD 53/62	<u>(215.33)</u>	<u>15,210.43</u>	<u>(1,019.00)</u>	<u>16,229.43</u>
Total Revenue Over/(Under) Expenditure	<u>\$ 9,847.59</u>	<u>\$ (1,504,131.90)</u>	<u>(3,906,860.00)</u>	<u>2,402,728.10</u>

Rice Creek Watershed District
Statement of Revenue and Expenditures - Regulatory Projects - 70
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>REGULATORY PROJECT MANAGEMENT - 70-00</u>				
Revenues				
General Property Tax	\$ 30,730.67	\$ 122,922.68	368,768.00	(245,845.32)
Interest Revenue	0.00	1,166.37	5,023.00	(3,856.63)
Miscellaneous	1,934.44	3,165.62	0.00	3,165.62
Total Revenues	32,665.11	127,254.67	373,791.00	(246,536.33)
Expenses				
Wages-Regulatory	17,486.27	65,337.53	201,114.00	(135,776.47)
Wages - Interns	0.00	0.00	2,916.00	(2,916.00)
Benefits-Regulatory	2,672.47	11,494.13	25,078.00	(13,583.87)
PERA-Regulatory	1,311.47	4,900.32	14,644.00	(9,743.68)
Payroll Taxes-Regulatory	1,291.35	4,812.93	15,160.00	(10,347.07)
Office Supplies	57.99	143.96	2,790.00	(2,646.04)
Supplies-Field	0.00	71.99	0.00	71.99
Printing	0.00	0.00	775.00	(775.00)
Rent	2,081.86	8,327.44	26,787.00	(18,459.56)
Telecommunications	500.25	2,011.60	5,933.00	(3,921.40)
Publications	0.00	0.00	310.00	(310.00)
Training & Education	0.00	898.59	3,655.00	(2,756.41)
Insurance and Bonds	1,276.21	7,126.89	6,253.00	873.89
Postage	27.75	83.50	1,705.00	(1,621.50)
Staff Travel-Regulatory	100.74	354.61	2,322.00	(1,967.39)
Vehicle Expense	130.09	430.31	3,437.00	(3,006.69)
Professional Services	55.86	223.44	50,000.00	(49,776.56)
Contracted Services	2,875.84	2,875.84	0.00	2,875.84
Recruitment	0.00	0.00	5.00	(5.00)
Legal Fees	294.91	294.91	1,500.00	(1,205.09)
Engineering-Regulatory	0.00	0.00	5,678.00	(5,678.00)
Equipment	0.00	0.00	500.00	(500.00)
Equipment Lease	166.98	1,714.06	3,229.00	(1,514.94)
Total Expenses	30,330.04	111,102.05	373,791.00	(262,688.95)
Total Revenues Over/(Under)				
Expenditures - Regulatory Management	2,335.07	16,152.62	0.00	16,152.62
<u>RULE/PLAN REVISIONS - PERMIT GUIDANCE - 70-01</u>				
Revenues				
General Property Tax	4,583.33	18,333.32	55,000.00	(36,666.68)
Total Revenues	4,583.33	18,333.32	55,000.00	(36,666.68)
Expenses				
Legal Fees	0.00	0.00	7,000.00	(7,000.00)
Engineering	0.00	0.00	48,000.00	(48,000.00)
Total expenses	0.00	0.00	55,000.00	(55,000.00)
Total Revenues Over/(Under)				
Expenditures - Rule/Plan Revisions	4,583.33	18,333.32	0.00	18,333.32

Rice Creek Watershed District
Statement of Revenue and Expenditures - Regulatory Projects - 70
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>PERMIT REVIEW - 70-03</u>				
Revenues				
General Property Tax	21,405.00	85,620.00	256,860.00	(171,240.00)
Permit Fees	21,000.00	52,584.00	103,140.00	(50,556.00)
Total Revenues	42,405.00	138,204.00	360,000.00	(221,796.00)
Expenses				
Legal Notice	0.00	0.00	1,000.00	(1,000.00)
Legal Fees	2,894.45	9,405.46	40,000.00	(30,594.54)
Engineering-Permit Review	57,556.25	114,483.33	319,000.00	(204,516.67)
Total expenses	60,450.70	123,888.79	360,000.00	(236,111.21)
Total Revenues Over/(Under)				
Expenditures - Permit Review	(18,045.70)	14,315.21	0.00	14,315.21
<u>EARLY COORDINATION/ROAD AUTHORITY - 70-07</u>				
Revenues				
General Property Tax	6,666.67	26,666.68	80,000.00	(53,333.32)
Total Revenues	6,666.67	26,666.68	80,000.00	(53,333.32)
Expenses				
Legal Fees	0.00	0.00	5,000.00	(5,000.00)
Engineering-Road Auth.	11,921.66	24,882.47	75,000.00	(50,117.53)
Total expenses	11,921.66	24,882.47	80,000.00	(55,117.53)
Total Revenues Over/(Under)				
Expenditures - Early Coordination	(5,254.99)	1,784.21	0.00	1,784.21
<u>WATERSHED MANAGEMENT - 70-08</u>				
Revenues				
General Property Tax	3,333.33	13,333.32	40,000.00	(26,666.68)
Total Revenues	3,333.33	13,333.32	40,000.00	(26,666.68)
Expenses				
Legal Fees	185.58	185.58	10,000.00	(9,814.42)
Engineering-Watershed Mgmt.	0.00	0.00	30,000.00	(30,000.00)
Total expenses	185.58	185.58	40,000.00	(39,814.42)
Total Revenues Over/(Under)				
Expenditures - Watershed Mgmt.	3,147.75	13,147.74	0.00	13,147.74
Total Revenue Over/(Under) Expenditure	\$ (13,234.54)	\$ 63,733.10	0.00	63,733.10

Rice Creek Watershed District
Statement of Revenue and Expenditures - Ditch & Creek Maintenance - 80
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>DITCH & CREEK MANAGEMENT - 80-00</u>				
Revenues				
General Property Tax	\$ 9,952.58	\$ 39,810.32	119,431.00	(79,620.68)
Interest Revenue	0.00	1,594.80	6,868.00	(5,273.20)
Miscellaneous Income	0.00	199.07	5,000.00	(4,800.93)
Total Revenues	9,952.58	41,604.19	131,299.00	(89,694.81)
Expenses				
Wages-Ditch & Creek Maint.	10,744.58	41,529.73	124,345.00	(82,815.27)
Benefits-Ditch & Creek Maint.	880.14	3,916.17	13,796.00	(9,879.83)
PERA-Ditch & Creek Maint.	805.84	3,114.73	9,052.00	(5,937.27)
Payroll Taxes-Ditch & Creek	775.23	3,030.60	9,250.00	(6,219.40)
Office Supplies	28.53	67.94	1,710.00	(1,642.06)
Supplies-Field	579.54	579.54	0.00	579.54
Printing	0.00	0.00	475.00	(475.00)
Rent	1,024.10	4,096.40	16,418.00	(12,321.60)
Telecommunications	295.30	1,211.66	3,637.00	(2,425.34)
Publications	0.00	0.00	190.00	(190.00)
Training & Education	0.00	267.07	2,240.00	(1,972.93)
Insurance and Bonds	627.79	3,505.83	3,833.00	(327.17)
Postage	0.00	0.00	1,045.00	(1,045.00)
Staff Travel	0.00	6.90	1,423.00	(1,416.10)
Vehicle Expense	269.18	917.15	12,347.00	(11,429.85)
Professional Services	0.00	177.08	2,000.00	(1,822.92)
Legal Fees-Ditch & Creek	145.07	145.07	5,000.00	(4,854.93)
Engineering-Ditch & Creek	0.00	0.00	5,000.00	(5,000.00)
Equipment	0.00	0.00	2,000.00	(2,000.00)
Equipment Lease	82.14	843.17	1,979.00	(1,135.83)
Total Expenses	16,257.44	63,409.04	215,740.00	(152,330.96)
Total Revenues Over/(Under)				
Expenditures - Ditch & Creek Mgmt.	(6,304.86)	(21,804.85)	(84,441.00)	62,636.15
 <u>DITCHES - GENERAL - 80-02</u>				
Revenues				
General Property Tax	11,960.33	47,841.32	143,524.00	(95,682.68)
Total Revenues	11,960.33	47,841.32	143,524.00	(95,682.68)
Expenses				
Supplies-Field	866.62	1,040.98	5,000.00	(3,959.02)
Vehicle Expense	83.58	237.58	3,000.00	(2,762.42)
Professional Services	0.00	0.00	1,000.00	(1,000.00)
Contracted Services-General	8,550.00	23,951.35	200,000.00	(176,048.65)
Legal Fees	1,155.00	2,472.00	6,000.00	(3,528.00)
Engineering Fees	2,796.75	12,875.38	10,000.00	2,875.38
Construction Expense	0.00	7,843.20	20,000.00	(12,156.80)
Total expenses	13,451.95	48,420.49	245,000.00	(196,579.51)
Total Revenues Over/(Under)				
Expenditures - Ditches - General	(1,491.62)	(579.17)	(101,476.00)	100,896.83

Rice Creek Watershed District
Statement of Revenue and Expenditures - Ditch & Creek Maintenance - 80
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>REPAIR REPORTS - 80-03</u>				
Revenues				
General Property Tax	4,051.92	16,207.68	48,623.00	(32,415.32)
Total Revenues	<u>4,051.92</u>	<u>16,207.68</u>	<u>48,623.00</u>	<u>(32,415.32)</u>
Expenses				
Supplies-Field	0.00	0.00	1,000.00	(1,000.00)
Legal Notices	0.00	4,937.02	2,000.00	2,937.02
Legal Fees	3,486.00	12,046.23	10,000.00	2,046.23
Engineering	4,351.75	22,945.15	70,000.00	(47,054.85)
Total expenses	<u>7,837.75</u>	<u>39,928.40</u>	<u>83,000.00</u>	<u>(43,071.60)</u>
Total Revenues Over/(Under)				
Expenditures - Repair Reports	<u>(3,785.83)</u>	<u>(23,720.72)</u>	<u>(34,377.00)</u>	<u>10,656.28</u>
Total expenses	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
Total Revenues Over/(Under)				
Expenditures - ACD 10-22-32	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
<u>ACD 31/46 REPAIR REPORT - 80-07</u>				
Revenues				
General Property Tax	13,742.50	54,970.00	164,910.00	(109,940.00)
Special Assessments	1,441.92	5,767.68	107,303.00	(101,535.32)
Total Revenues	<u>15,184.42</u>	<u>60,737.68</u>	<u>272,213.00</u>	<u>(211,475.32)</u>
Expenses				
Legal Notices	0.00	0.00	2,000.00	(2,000.00)
Contracted Services	0.00	0.00	1,000.00	(1,000.00)
Legal Fees	1,155.00	2,032.00	10,000.00	(7,968.00)
Engineering Expense	0.00	16,637.60	35,000.00	(18,362.40)
Construction Expense	0.00	69,256.90	340,810.00	(271,553.10)
Total expenses	<u>1,155.00</u>	<u>87,926.50</u>	<u>388,810.00</u>	<u>(300,883.50)</u>
Total Revenues Over/(Under)				
Expenditures - ACD 31/46	<u>14,029.42</u>	<u>(27,188.82)</u>	<u>(116,597.00)</u>	<u>89,408.18</u>
<u>JD-2/Hugo - 80-15</u>				
Revenues				
General Property Tax	1,952.75	7,811.00	23,433.00	(15,622.00)
Total Revenues	<u>1,952.75</u>	<u>7,811.00</u>	<u>23,433.00</u>	<u>(15,622.00)</u>
Expenses				
Contracted Services	0.00	0.00	40,000.00	(40,000.00)
Total expenses	<u>0.00</u>	<u>0.00</u>	<u>40,000.00</u>	<u>(40,000.00)</u>
Total Revenues Over/(Under)				
Expenditures - JD-2/Hugo	<u>1,952.75</u>	<u>7,811.00</u>	<u>(16,567.00)</u>	<u>24,378.00</u>

Rice Creek Watershed District
Statement of Revenue and Expenditures - Ditch & Creek Maintenance - 80
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>ACD 10-22-32 WMD - 80-17</u>				
Revenues				
Total Revenues	0.00	0.00	0.00	0.00
Expenses				
Engineering Expense	2,926.13	9,565.33	0.00	9,565.33
Total expenses	2,926.13	9,565.33	0.00	9,565.33
Total Revenues Over/(Under) Expenditures - ACD 10-22-32	(2,926.13)	(9,565.33)	0.00	(9,565.33)
 <u>ACD 31/46 WMD - 80-18</u>				
Revenues				
Special Assessments	1,970.67	7,882.68	23,648.00	(15,765.32)
Total Revenues	1,970.67	7,882.68	23,648.00	(15,765.32)
Expenses				
Legal Notices	0.00	0.00	1,000.00	(1,000.00)
Contracted Services	0.00	0.00	2,000.00	(2,000.00)
Legal Fees	462.00	1,638.00	5,000.00	(3,362.00)
Engineer Expense	2,031.23	5,051.86	10,000.00	(4,948.14)
Construction Expense	0.00	0.00	252,190.00	(252,190.00)
Total expenses	2,493.23	6,689.86	270,190.00	(263,500.14)
Total Revenues Over/(Under) Expenditures - ACD 31/46	(522.56)	1,192.82	(246,542.00)	247,734.82
Total Revenue Over/(Under) Expenditure	\$ 951.17	\$ (73,855.07)	(600,000.00)	526,144.93

Rice Creek Watershed District
Statement of Revenue and Expenditures - Lake & Stream - 90
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

LAKE & STREAM MANAGEMENT - 90-00

Revenues				
General Property Tax	\$ 21,845.83	\$ 87,383.32	262,150.00	(174,766.68)
Interest Income	0.00	1,265.07	5,448.00	(4,182.93)
Miscellaneous Income	0.00	126.61	0.00	126.61
	<hr/>	<hr/>	<hr/>	<hr/>
Total Revenues	21,845.83	88,775.00	267,598.00	(178,823.00)
Expenses				
Wages-Lake & Stream Mgmt.	14,196.40	56,764.35	170,427.00	(113,662.65)
Wages-Interns	0.00	0.00	5,921.00	(5,921.00)
Benefits-Lake & Stream Mgmt.	807.18	3,203.51	20,980.00	(17,776.49)
PERA-Lake & Stream Mgmt.	1,064.71	4,257.31	12,405.00	(8,147.69)
Payroll Taxes-Lake & Stream	1,050.12	4,198.80	13,147.00	(8,948.20)
Office Supplies	18.14	43.19	990.00	(946.81)
Printing-Lake & Stream	0.00	0.00	275.00	(275.00)
Rent	651.35	2,605.40	9,505.00	(6,899.60)
Telecommunications	168.23	676.77	2,105.00	(1,428.23)
Publications	0.00	0.00	110.00	(110.00)
Training & Education	0.00	115.00	1,297.00	(1,182.00)
Insurance and Bonds	399.30	2,229.83	2,219.00	10.83
Postage	0.00	0.00	605.00	(605.00)
Staff Travel	75.68	142.63	824.00	(681.37)
Vehicle Expense	0.00	0.00	12,437.00	(12,437.00)
Professional Services	0.00	177.09	0.00	177.09
Education & Communication	0.00	0.00	5,000.00	(5,000.00)
Legal Fees	0.00	0.00	1,000.00	(1,000.00)
Engineering	0.00	0.00	5,000.00	(5,000.00)
Equipment	0.00	0.00	1,500.00	(1,500.00)
Equipment Lease	52.26	536.28	1,146.00	(609.72)
Repairs & Maint.-Lake & Stream	0.00	400.00	0.00	400.00
	<hr/>	<hr/>	<hr/>	<hr/>
Total Expenses	18,483.37	75,350.16	266,893.00	(191,542.84)
Total Revenues Over/(Under)				
Expenditures - Lake & Stream Mgmt.	3,362.46	13,424.84	705.00	12,719.84

BMP COST-SHARE PROGRAM - 90-01

Revenues				
General Property Tax	9,413.00	37,652.00	112,956.00	(75,304.00)
	<hr/>	<hr/>	<hr/>	<hr/>
Total Revenues	9,413.00	37,652.00	112,956.00	(75,304.00)
Expenses				
Contracted Services	5,005.00	8,005.00	50,000.00	(41,995.00)
Engineering-BMP Cost-Share	0.00	0.00	5,000.00	(5,000.00)
Construction-BMP Costshare	0.00	0.00	60,000.00	(60,000.00)
	<hr/>	<hr/>	<hr/>	<hr/>
Total expenses	5,005.00	8,005.00	115,000.00	(106,995.00)
Total Revenues Over/(Under)				
Expenditures - BMP Cost-Share Program	4,408.00	29,647.00	(2,044.00)	31,691.00

Rice Creek Watershed District
Statement of Revenue and Expenditures - Lake & Stream - 90
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

LAKE & STREAM MONITORING - 90-04

Revenues				
General Property Tax	20,463.17	81,852.68	245,558.00	(163,705.32)
Total Revenues	20,463.17	81,852.68	245,558.00	(163,705.32)
Expenses				
Supplies-Field	73.81	106.15	2,500.00	(2,393.85)
Computer Software	0.00	0.00	700.00	(700.00)
Printing	0.00	0.00	100.00	(100.00)
Telecommunications	10.23	40.92	300.00	(259.08)
Publications	0.00	0.00	200.00	(200.00)
Training & Education	0.00	0.00	1,700.00	(1,700.00)
Staff Travel	0.00	0.00	400.00	(400.00)
Vehicle Expense	156.85	457.09	1,800.00	(1,342.91)
Professional Services	0.00	4,941.40	60,000.00	(55,058.60)
Contracted Services	6,101.00	8,601.00	127,700.00	(119,099.00)
Legal Fees	1,518.53	1,518.53	500.00	1,018.53
Engineering	453.43	453.43	12,000.00	(11,546.57)
Equipment	0.00	(3,867.81)	11,600.00	(15,467.81)
Repairs & Maintenance	0.00	0.00	500.00	(500.00)
Lab Expense	1,382.00	1,382.00	30,000.00	(28,618.00)
Total expenses	9,695.85	13,632.71	250,000.00	(236,367.29)
Total Revenues Over/(Under)				
Expenditures - Lake & Stream Montr.	10,767.32	68,219.97	(4,442.00)	72,661.97

BALD EAGLE LAKE TMDL - 90-06

Revenues				
General Property Tax	2,864.83	11,459.32	34,378.00	(22,918.68)
Total Revenues	2,864.83	11,459.32	34,378.00	(22,918.68)
Expenses				
Legal Fees	266.50	266.50	0.00	266.50
Engineering Expense	0.00	0.00	15,000.00	(15,000.00)
Construction Expense	0.00	0.00	20,000.00	(20,000.00)
Total expenses	266.50	266.50	35,000.00	(34,733.50)
Total Revenues Over/(Under)				
Expenditures - Bald Eagle Lake TMDL	2,598.33	11,192.82	(622.00)	11,814.82

ANOKA CHAIN OF LAKES - 90-16

Revenues				
General Property Tax	6,548.17	26,192.68	78,578.00	(52,385.32)
Total Revenues	6,548.17	26,192.68	78,578.00	(52,385.32)
Expenses				
Contracted Services	0.00	0.00	5,000.00	(5,000.00)
Legal Fees	0.00	0.00	5,000.00	(5,000.00)
Engineering	0.00	285.00	20,000.00	(19,715.00)
Construction Expense	0.00	0.00	50,000.00	(50,000.00)
Total expenses	0.00	285.00	80,000.00	(79,715.00)
Total Revenues Over/(Under)				
Expenditures - Anoka Chain of Lakes	6,548.17	25,907.68	(1,422.00)	27,329.68

Rice Creek Watershed District
Statement of Revenue and Expenditures - Lake & Stream - 90
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

TMDL IMPLEMENTATION - 90-23

Revenues				
General Property Tax	8,185.17	32,740.68	98,222.00	(65,481.32)
Total Revenues	8,185.17	32,740.68	98,222.00	(65,481.32)
Expenses				
Printing	226.20	226.20	0.00	226.20
Training & Education	39.86	157.82	0.00	157.82
Contracted Services	0.00	0.00	10,000.00	(10,000.00)
Legal Fees	0.00	2,030.76	4,000.00	(1,969.24)
Acquisitions	0.00	0.00	5,000.00	(5,000.00)
Engineering	3,295.94	9,081.19	81,000.00	(71,918.81)
Total expenses	3,562.00	11,495.97	100,000.00	(88,504.03)
Total Revenues Over/(Under)				
Expenditures - TMDL Implementation	4,623.17	21,244.71	(1,778.00)	23,022.71

BALD EAGLE LAKE WMD - 90-24

Revenues				
Bald Eagle-Special Assessment	5,416.66	21,666.64	65,000.00	(43,333.36)
Income-Grants	0.00	0.00	5,000.00	(5,000.00)
Total Revenues	5,416.66	21,666.64	70,000.00	(48,333.36)
Expenses				
Professional Services	285.00	285.00	1,000.00	(715.00)
Contracted Services	0.00	425.92	54,476.00	(54,050.08)
Legal Fees	0.00	0.00	500.00	(500.00)
Engineering Expense	0.00	403.25	3,000.00	(2,596.75)
Total expenses	285.00	1,114.17	58,976.00	(57,861.83)
Total Revenues Over/(Under)				
Expenditures - Bald Eagle Lake WMD	5,131.66	20,552.47	11,024.00	9,528.47

BALD EAGLE LAKE STORMWATER REUSE PROJECT - 90-25

Revenues				
General Property Tax	818.42	3,273.68	9,822.00	(6,548.32)
Total Revenues	818.42	3,273.68	9,822.00	(6,548.32)
Expenses				
Legal Fees	0.00	0.00	1,000.00	(1,000.00)
Engineering	0.00	0.00	1,000.00	(1,000.00)
Construction Expense	0.00	0.00	8,000.00	(8,000.00)
Total expenses	0.00	0.00	10,000.00	(10,000.00)
Total Revenues Over/(Under)				
Expenditures - Bald Eagle Lake WMD	818.42	3,273.68	(178.00)	3,451.68

Rice Creek Watershed District
Statement of Revenue and Expenditures - Lake & Stream - 90
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

CARP MANAGEMENT PROJECT - 90-26

Revenues				
General Property Tax	5,729.75	22,919.00	68,757.00	(45,838.00)
Total Revenues	<u>5,729.75</u>	<u>22,919.00</u>	<u>68,757.00</u>	<u>(45,838.00)</u>
Expenses				
Legal Fees	1,066.90	4,909.58	5,000.00	(90.42)
Engineering Expense	0.00	0.00	15,000.00	(15,000.00)
Construction Expense	0.00	0.00	50,000.00	(50,000.00)
Total expenses	<u>1,066.90</u>	<u>4,909.58</u>	<u>70,000.00</u>	<u>(65,090.42)</u>
Total Revenues Over/(Under)				
Expenditures - Carp Management	<u>4,662.85</u>	<u>18,009.42</u>	<u>(1,243.00)</u>	<u>19,252.42</u>
Total Revenue Over/(Under) Expenditure	<u>\$ 42,920.38</u>	<u>\$ 211,472.59</u>	<u>0.00</u>	<u>211,472.59</u>

Rice Creek Watershed District
Statement of Revenue and Expenditures - District Facilities - 95
For the One Month and Four Months Ending April 30, 2017
See Accountant's Compilation Report

	Current Month	Year to Date	Annual Budget	Over/(Under) Budget
<u>LONG LAKE SEDIMENT BASIN - 95-01</u>				
Revenues				
General Propety Tax	\$ 8,259.67	\$ 33,038.68	99,116.00	(66,077.32)
Interest	0.00	205.27	884.00	(678.73)
Total Revenues	<u>8,259.67</u>	<u>33,243.95</u>	<u>100,000.00</u>	<u>(66,756.05)</u>
Expenses				
Engineering	8,178.00	19,574.00	40,000.00	(20,426.00)
Construction	0.00	0.00	60,000.00	(60,000.00)
Total Expenses	<u>8,178.00</u>	<u>19,574.00</u>	<u>100,000.00</u>	<u>(80,426.00)</u>
Total Revenues Over/(Under)				
Expenditures - Long Lake Sediment Basi	<u>81.67</u>	<u>13,669.95</u>	<u>0.00</u>	<u>13,669.95</u>
<u>OUTFALL & STRUCTURE ASSESSMENT& REPAIR - 95-03</u>				
Revenues				
General Propety Tax	3,333.33	13,333.32	40,000.00	(26,666.68)
Total Revenues	<u>3,333.33</u>	<u>13,333.32</u>	<u>40,000.00</u>	<u>(26,666.68)</u>
Expenses				
Legal Notices	0.00	0.00	1,000.00	(1,000.00)
Engineering	4,265.53	8,379.49	5,000.00	3,379.49
Construction	0.00	0.00	34,000.00	(34,000.00)
Total expenses	<u>4,265.53</u>	<u>8,379.49</u>	<u>40,000.00</u>	<u>(31,620.51)</u>
Total Revenues Over/(Under)				
Expenditures - Outfall & Structure	<u>(932.20)</u>	<u>4,953.83</u>	<u>0.00</u>	<u>4,953.83</u>
<u>EASEMENT OPERATION & MAINTENANCE - 95-04</u>				
Revenues				
General Propety Tax	1,666.65	6,666.59	20,000.00	(13,333.41)
Total Revenues	<u>1,666.65</u>	<u>6,666.59</u>	<u>20,000.00</u>	<u>(13,333.41)</u>
Expenses				
Supplies-Field	341.45	341.45	2,000.00	(1,658.55)
Vehicle Expense	0.00	0.00	1,000.00	(1,000.00)
Contracted Services	0.00	0.00	8,000.00	(8,000.00)
Engineering	0.00	0.00	1,000.00	(1,000.00)
Construction Expense	0.00	0.00	6,000.00	(6,000.00)
Equipment	0.00	0.00	2,000.00	(2,000.00)
Total expenses	<u>341.45</u>	<u>341.45</u>	<u>20,000.00</u>	<u>(19,658.55)</u>
Total Revenues Over/(Under)				
Expenditures - Wall Wetland Restoration	<u>1,325.20</u>	<u>6,325.14</u>	<u>0.00</u>	<u>6,325.14</u>
Total Revenue Over/(Under) Expenditure	<u>\$ 474.67</u>	<u>\$ 24,948.92</u>	<u>0.00</u>	<u>24,948.92</u>

ITEMS FOR DISCUSSION AND INFORMATION

1. Update on MAWD Summer Tour.

Summer Tour 2017

Join us on **June 21 - 23** for a tour of the **Leech Lake** area!



Tentative Agenda:

- Chippewa National Forest
- Federal Dam Leech Lake Reservoir
 - Walker DNR Fisheries
- Tribal site or National Forest Headquarters

Blocked Hotel Rooms

Country Inn & Suites
927 Lake Shore Drive NE, Bemidji, MN 56601
Promo Code: **WATER**

Please visit our mnwatershed.org for updated information



Minnesota Association of Watershed Districts



@mnwd46

Register online at mnwatershed.org starting April 24th

**MINNESOTA
ASSOCIATION OF
WATERSHED
DISTRICTS, INC**

Land and Water Shall be Preserved

ITEMS FOR DISCUSSION AND INFORMATION

2. Staff Reports.

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers
Date: 4/19/2017
From: Samantha Berger
Subject: District Technician Report March 15, 2017-April 17, 2017)

Highlights from Preceding Month

- ✓ Kept up with landowners involved in the Water Quality Grant Program (current and potential projects)
- ✓ Continued work with WBT on Master Water Stewards project, including attending pre-bid meeting
- ✓ Worked with Fridley and Shoreview Master Water Steward on their project
- ✓ Attended April CAC meeting to discuss cost-share and Master water steward projects
- ✓ Acted as point of contact for IT concerns, facilitating communications with Computer Revolution
- ✓ Corresponded with applicants on permit information for RCWD Rules, including attending a pre-construction meeting (totaling ≈5)
- ✓ Attended 2 Board meeting to discuss cost-share project applications and permits, made permit maps
- ✓ Reviewed 4 engineering permits with HEI
- ✓ Reviewed administrative permits, totaling 3.
- ✓ Completed performance review, determining schedule for continued training
- ✓ Worked with grant staff on min-grant proposal
- ✓ Attended permit triage meeting to discuss permit improvement ideas, Worked on template ER document to ensure consistency in reviews
- ✓ Met with Circle Pines on Local Water Planning
- ✓ Worked on Hugo Audit

MEMORANDUM

Rice Creek Watershed District

To: Board of Managers
From: Tom Schmidt, Public Drainage Inspector
Subject: Staff Report for February/March 2017

Date: April 18th, 2017

Highlights for Preceding Month(s)

- ✓ Continued assisting HEI on ACD #31 and #46 Repair process, including attending weekly project meetings (in-progress);
- ✓ Met with ACD #31 and #46 contractor (Veit) regarding punch-list for completion of ACD #31 and #46 repair project (in-progress);
- ✓ Continued assisting HEI on coordination of Hall's Marsh Outlet in Mahtomedi (in-progress);
- ✓ Pre-plan set survey of ACD #53-62 branch #2 with HEI (complete);
- ✓ Contracted with Scandia Trucking for repairs to Walls/Taylor wetland bank embankment failures in Columbus and minor maintenance on the outlet of Brown's Preserve. Removed and greased the stop logs in the Brown's Preserve control structure (complete);
- ✓ Contracted with Scandia Trucking for repairs to AWJD #4, Br. #4 open channel from Walls/Taylor wetland bank to 35E in Columbus (complete);
- ✓ Contracted with Scandia Trucking for minor maintenance on AWJD #3 at several locations in Columbus (complete);
- ✓ Assisted HEI staff on Brown's preserve/Hair wetland restoration monitoring and survey (ongoing);
- ✓ Assisted staff with technical questions/data collection (ongoing);
- ✓ Continued to meet and talk with landowners concerning repair reports as well as other landowners on various drainage systems regarding drainage concerns (ongoing);

Upcoming Activities

- ✓ Continued assistance and field inspections for repair reports/historical reviews (ongoing);
- ✓ Continued assistance for ACD 53-62 Branch #2 project coordination;
- ✓ Clean-out of upper end of ACD #10-22-32 main branch;
- ✓ Beaver trapping on various ditch systems;
- ✓ Removal of failed, unused field crossing on AWJD #3 main branch in Lino Lakes;
- ✓ Re-route of AWJD #4, Branch #4 in Forest Lake (weather dependent);
- ✓ Begin 2017 field and construction season.

MEMORANDUM

Rice Creek Watershed District

To: Board of Managers

Date: 4/18/2017

From: Theresa Stasica

Subject: Office Manager 3/16-4/18

- Coded invoices for payment this month which were reviewed by Administrator Phil Belfiori and sent to our accountant Nancy Martinson via an excel spreadsheet.
- Track Accounts Receivable for District.
- Track and invoice (if needed) for numerous grants.
- Deposited checks.
- Reviewed and edited regular Board minutes.
- Provide appropriate notices and postcard mailings for landowner information meetings, public hearings, special meetings, and meeting changes
- Provide information, assembled and distributed board packets. Organize the board packet as a pdf format for Internet distribution.
- Updated materials on the website.
- Attended board meetings.
- Attended staff meetings.
- Placed orders for supplies as needed.
- Assisted staff in their daily activities.
- Scanning documents that District receives into Laserfiche.
- Maintained filing system and working on archiving files for storage site.
- Answered phones and assist public.
- Working with auditor and providing audit information attended exit interview.

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers

Date: April 19, 2017

From: Terrence Chastan-Davis

Subject: District Inspector Report (March 16, 2017 – April 19, 2017)

Highlights from Preceding Month

- ✓ Completed 44 inspections of projects to confirm rule compliance.
 - Meant with site supervisors 11 separate times to discuss corrective actions on site.
 - Sent out inspection reports with specified corrective actions and requested updates when corrective actions were complete.
 - Conducted follow-up inspections for most projects to ensure corrective actions have been achieved.
- ✓ Conducted two project walk through inspections with the MPCA and project managers in Forest Lake.
- ✓ Issued a 10-day notice to an active project without a vailed RCWD permit.
- ✓ Reviewed two as-built submissions with assistance from Catherine & Lauren.
- ✓ Sent two 48-hour board notices for a subdivision and trail project.
- ✓ Assisted in amending and updating stipulation language for a trail project.
- ✓ Held on-site meeting with an attorney and clients (homeowners) to discuss a non-functional Stormwater structure and advise workable solutions.
- ✓ Recommended permit extensions for two unfinished projects.
- ✓ Organized and participated in the inspector's meeting to discuss program efficiencies and projects with inspection staff.
- ✓ Assisted in responding to questions from the public regarding Stormwater ponds and maintenance.

To: Board of Managers **Date:** 4/19/2017
From: Ashlee Ricci
Subject: District Technical Assistant Report (03/14/2017 – 04/19/2017)

Highlights from Preceding Months

- ✓ Performed routine equipment maintenance for lake and stream sampling; PIT station-batteries, Sonde calibration
- ✓ Assisted permit applicants in submitting correct “incomplete” and “CAPROC” items
- ✓ Created new review files and permit files in the online database and in Laserfiche
- ✓ Responded to various landowners about permit requirements
- ✓ Attended regular staff, Inspection Team, and Inspectors meetings
- ✓ Completed initial review of permit applications
- ✓ Issued “Incomplete” and “Receipt of Permit Application” notices for permit applications
- ✓ Compiled open Public Linear Project list for evaluation
- ✓ Responded to potential land buyers regarding rules
- ✓ Responded to landowner inquiries regarding ACD 31 & 46 WMD charge assessments
- ✓ Attended punch-list meeting for ACD 31 & 46 with contractors and Drainage Inspector
- ✓ Inspected ACD 25 in Lino Lakes
- ✓ Inspected ACD 53-62 Branch 1 and Branch 2
- ✓ Review of as-built survey for 13-032
- ✓ Attended partial Permit Triage meeting
- ✓ Met with Administrator for 6-month performance review
- ✓ Closed historic permit #97-155
- ✓ Follow-up with historic permits to bring into compliance and close-out
- ✓ Organized landowners meeting for Halls Marsh

MEMORANDUM

Rice Creek Watershed District

To: Board of Managers

Date: 04/19/2017

From: Patrick Hughes

Subject: Regulatory Assistant 03/15/2017 - 04/19/2017

- Created new permit files for the online database
- Created new review files for the online database
- Sent notice of replacement plan decision – 17-006
- Sent notice of no-loss decision – 17-004
- Sent notice of exemption decision – 17-012
- Sent notices of application for wetland delineations – 16-161R, 16-167R, 17-004R, 17-021R, 17-048R, 17-062R
- Sent notice of replacement plan application – 17-019
- Sent notice of no-loss application – 17-048R
- Sent out multiple CAPROC (board) notices
- Issued multiple permits
- Responded to various landowners about permit requirements (general inquiries)
- Noticed Board of Managers for application status – 16-014, 16-024, 16-032, 16-072, 17-012
- Sent incomplete ER – 17-012
- Sent out administrative CAPROC notices – 16-014, 16-072
- Issued administrative permits – 16-032, 17-012, 17-021
- Drafted 3/6 Board Workshop minutes
- Participated in discussion to revise the Engineer Report template
- Created a Declaration/Easement review document
- Filled in for Doug Setley and filmed the 4/12 Board Meeting
- Drafted letter to BWSR for the 2014-2015 CWPMP Report

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers

Date: April 18, 2017

From: Nick Tomczik

Subject: Permit Coordinator/Wetland Specialist's Report for March – April 2017

Highlights for Preceding Month

- ✓ Meetings and Assistance to parties in need of pre-application/application assistance
 - Bridal Pass Access
 - SAH 23 (Lake Drive) and Kelly Street – RCWD
 - 62nd Street Lino Lakes Access
 - Forest Lake Cornerstone development
 - Boe Ornamental Iron Lino Lakes
 - 321 Gate Properties
 - RCCOL Maintenance building
 - Anoka Cty CSAH 54
 - Tiller Corporation Blaine
- ✓ Wetland Delineation, Replacement, Exemption Applications
 - Aquatic solutions Manning Approach 16-096
 - Asphalt Concrete Solutions delineation 17-021R
 - Coates RV delineation 16-036
 - Frank Frattalone Freeway Drive Delineation 17-048R
 - Tiller Replacement Application
 - Fridley Civic Center
- ✓ Meetings / Training
 - BWSR Wetland Bank Meeting
 - WPA Forum
- ✓ Meetings / Administration
 - CSMP & CWPMP Administration
 - St. Anthony Project 16-047
 - Moores No-loss
 - Legal document Attachments
- Request for Interest for Potential Wetland Bank Sites
- Drainage Effect Review
- Drainage hot spot assessment
- Headwaters Fenway Roundabout
- Ramsey Cty CR I and Old Hwy 8
- WMD Charges Collection Process
- Mahtomedi Schools
- VanCanneyt Application
- Red Oak Estates
- WCA Administration T&E
- RCWD Old Permit Issues
- Permit Triage
- Inspection Team Meeting
- HEI/Smith Partners/RCWD Communication Board Meetings & Workshops (agenda items, participation)

To: Board of Managers

Date: April 18, 2017

From: Lauren Sampedro

Subject: District Technician Report (March 15, 2017 – April 19, 2017)

Highlights from Preceding Month

- ✓ Met with the City of Fridley and Phil Belfiori to discuss Fridley’s potential Met. Council Stormwater grant application on March 16, 2017.
- ✓ Met with White Bear Township, City of New Brighton, City of Hugo, and City of Shoreview with Phil Belfiori to discuss the cities’ potential Met. Council Stormwater grant applications on March 17, 2017.
- ✓ Notified Fridley, White Bear Township, New Brighton, Hugo, Shoreview, and Columbia Heights of Met. Council grant application next steps after the Board’s decision from March 22, 2017.
- ✓ Met with the City of Arden Hills on March 30, 2017 to discuss local water planning and the requirements that apply to Arden Hills.
- ✓ Completed nine inspections of projects to confirm compliance.
 - Followed up with contractors to ensure corrective actions were taken, including one on-site meeting to discuss requested corrections
- ✓ Discussed local water planning with Met. Council sector representatives on April 3, 2017. The Met. Council commended RCWD for the District’s local water planning efforts and assistance to local communities.
- ✓ Completed six-month performance review with Phil Belfiori on April 3, 2017.
- ✓ Met with the City of Circle Pines with Samantha Berger on April 4, 2017 to discuss local water planning and the requirements that apply to Circle Pines.
- ✓ Reviewed cities’ draft Met. Council Stormwater grants and provided feedback to enhance applications. Worked with cities to finalize grant applications, and prepared application materials for the RCWD Board workshop (4/10) and Board Meeting (4/12).
- ✓ Attended Board Meeting on April 12, 2017.
- ✓ With Board’s direction, submitted six Met. Council Stormwater grant applications to Met. Council.
- ✓ Reviewed two projects’ as-built surveys for compliance of installed stormwater features.
- ✓ Recommended one historic permit from 2010 for close out.
- ✓ Continued planning a local water planning modeling workshop, and registered five cities for the first workshop scheduled for April 25, 2017.

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers

Date: 4/17/2017

From: Matthew Kocian

Subject: Lake and Stream Report for March 15 – April 17, 2017

Highlights for Preceding Month

Bold items required significant time

- Monitoring
 - Data entry and processing
 - **Stream monitoring**
 - **Equipment installation**
 - **Water quality sample collection**
 - Lake monitoring – early season chloride sampling
- BWSR Targeted Watershed Project
 - Middle Rice Creek project
 - Maintain site cameras
 - **Carp Management project**
 - Carp radio-tracking on Long Lake
 - **Management planning: electric barriers and removal technologies**
 - **Finalize and execute access agreements with landowners**
 - **Finalize and present Professional Services Contracts to RCWD Board**
- **Curlyleaf Pondweed (CLP) Management**
 - **CLP delineation and mapping**
 - **Permit acquisition**
 - **Cooperator agreements**
- GIS
 - Prepare maps for various projects and RCWD staff
 - Respond to GIS data requests
- Citizen Assisted Monitoring Program (CAMP)
 - Re-stock monitoring supplies
- Summer intern hiring – interviews and offer letter
- White Bear Lake Augmentation public meeting
- Ramsey County AIS public meeting
- U of M bighead carp risk assessment workshop

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers

Date: April 17, 2017

From: Catherine Nester

Subject: District Technician/Inspector Report (March 15, 2017 – April 16, 2017)

Highlights from Preceding Months

- ✓ Reviewed applications and served on interview panel for the 2017 Summer Water Resources Internship.
- ✓ Confirmed 2017 lake monitoring volunteers for the Met Council's Citizen-Assisted Monitoring Program (CAMP) and prepared/delivered monitoring boxes.
- ✓ Participated in an MPCA webinar on Minimal Impact Design Standards (MIDS) on March 15.
- ✓ Attended the Washington County Water Consortium on April 5.
- ✓ Installed monitoring equipment and conducted routine stream monitoring at various sites across the District.
- ✓ Tracked carp and assisted District Lake and Stream Specialist with curlyleaf pondweed survey on Long Lake on April 5.
- ✓ Lake Johanna chloride monitoring on April 12.
- ✓ Performed 8 regulatory inspections.

MEMORANDUM
Rice Creek Watershed District

To: Board of Managers

Date: April 17, 2017

From: Beth Carreño

Subject: Communications and Outreach Efforts – (3/16/17 – 4/17/17)

I continue to focus my efforts on supporting staff and specific project deliverables, communicating with partners, meeting reporting requirements, addressing the goals and priorities for 2017, and representing the RCWD.

- Assisted with and attended the Hansen Park Community Meeting (3/16)
- Completed website update, followup communication with participants, and report to project manager for the Stormwater Reuse for Irrigation Methodology Assessment / Workshop
- Completed legislative packets for Board of Managers and legislators (MAWD Legislative Reception & Breakfast 3/29 & 3/30)
- Continued to promote the District's (and partners) projects and activities on social media and other communications platforms
- Completed draft of mini-grants program for review by the CAC; submitted to Board for review (4/26 Board mtg)
- Used Mail Chimp to assist staff in communicating to specific audiences about Wetland Bank Recruitment and Local Water Planning / Workshops
- Conducted one (phone) informational interview (4/2)
- Delivered presentation on White Bear Lake water issues to AAUW North Metro Chapter (4/10)
- Partnered with MWMO to have RCWD materials at HeightsNext event (4/13)
- Preparing Anoka County Intergovernmental Committee presentation (scheduled 4/20)
- Working on 2017 Annual Report (for Board review at 4/26 mtg)
- Assisting with local water planning workshops (4/25 and 6/15) (promotion and implementation)
- Assisting with development of summer 2017 city – county partners meeting (4/12 planning mtg)
- Working on MS4 Report (education components)
- Planning Level II Winter Maintenance Workshop (with Fortin; grant funded); re-scheduled for summer 2017

- **Forest Lake Area Schools / Stormwater Reuse Project (BWSR grant)** – education component

- **Master Water Steward Activities**
 - Attended MWS Advisory Council Meeting convened by Freshwater Society (3/23)
 - Hosted MWS coffee and informational meeting for current MWS (4/10)
 - Continue to work with staff and partners to support and facilitate the work of MWS

- **Citizens Advisory Committee**
 - Attended meeting (4/5) and completed support work related to facilitating and documenting meetings
 - Continued recruitment efforts for new CAC members from Washington County
 - John Bartunek was approved by the Board at 4/12 mtg

- **Participation in partner meetings and activities (*most of these organizations meet quarterly or monthly*)**
 - Metro Watershed Partners
 - Blue Thumb Steering Committee (4/11)
 - Completing activities related to role on Blue Thumb steering committee (RCWD's contract); communicating with other watersheds and partners
 - Metro Area Children's Water Festival Committee
 - West Metro Communicators Connect

Date: April 20, 2017
To: RCWD Board of Managers
From: Kyle Axtell, Water Resource Specialist
Subject: Staff Activity Report for 03/12/17 – 04/15/17

Tasks completed during preceding period:

- Continued coordination of the Hansen Park Comprehensive Water Management Project, including periodic weekly onsite meetings and/or conference calls with Rachel Contracting, Inc., time-lapse camera maintenance, project site observation and inspection, change order review and development, consultation with the District Engineer, City of New Brighton and Ramsey SWCD, communication with adjacent landowners, and other tasks as required.
- Provided input to DNR on proposed rules for the Mississippi River Corridor Critical Area. It turns out that only a very small portion of the RCWD (near the Rice Creek mouth in Fridley) will be subject to the rules, once enacted. The proposed rules appear to have little to no effect on RCWD policy or regulation.
- Continued oversight of the Mirror Lake Improvements Project including assisting the Saint Anthony City Engineer as needed, time-lapse camera maintenance, and tracking project progress and expenses.
- Processed change order #4 and pay request #7 from Rachel Contracting for the Hansen Park project.
- Participated in a MIDS calculator webinar hosted by MPCA on 03-15-2017.
- Hosted a Hansen Park project update neighborhood meeting on 03-16-2017.
- Began coordination of the Oasis Pond IESF project in Roseville, including review of a task order with Houston Engineering for design and bidding services for the project. A kickoff meeting will take place in May.
- Reviewed MnDOT plans to remove cattails from a small area of ROW ditch and ARJD1 Branch 2 in Blaine.
- Provided floodplain elevation information to several inquiring residents.
- Assisted the Forest Lake High School engineer and project partners with project development for the Forest Lake High School Stormwater Reuse Project.
- Provided input to the Arden Hills engineer about BMPs around Karth Lake.
- Processed a final pay request from Roseville for a 2012 USWR project.
- Researched the history of PAH contamination as related to RCWD projects.
- Participated in newspaper and TV interviews for the Golden Lake IESF project being built by the City of Circle Pines and Anoka SWCD.
- Designed and installed updated informational signage around the Hansen Park project site.
- Began coordinating development of the remote networking components for the Hansen Park IESF project.
- Submitted a quarterly report from the City of Hugo to Met Council for the Water's Edge Reuse Project grant.
- Reviewed a potential City of Lino Lakes project at Shenandoah Park.
- Attended RCWD Staff meetings on 03-13-2017 and 03-27-2017.
- Attended RCWD Board meetings on 03-22-2017 and 04-12-2017.

ITEMS FOR DISCUSSION AND INFORMATION

3. May Calendar.

APRIL						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

MAY						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

To: RCWD Board of Managers

From: Theresa

Date: April 18, 2017

Subject: Significant Dates during Month of May

- Wednesday, May 3, 5:30 p.m.** Advisory Committee Meeting, RCWD conference room, Board Liaison Manager Waller.
- Monday, May 8, 1:00 p.m.** Board Workshop
RCWD District Conference Room
- Wednesday, May 10, 9:00 a.m.** Regular Board of Managers Meeting
at Shoreview City Hall Council Chambers
- Wednesday, May 24, 9:00 a.m.** Regular Board of Managers Meeting
at Shoreview City Hall Council Chambers.
- Monday, May 29** Memorial Day Holiday
Office Closed.

Deadline for submission of per diem claims is May 15, 2017