

Riley-Purgatory-Bluff Creek Watershed District
Board of Managers Regular Meeting
Wednesday, September 2, 2020, 7:00pm Regular Meeting
Virtual Meeting via ZOOM

<https://us02web.zoom.us/j/81587539897>

Agenda

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|----------------------------------------------------------|--------------------|
| 1. Call to Order | Action |
| 2. Approval of the agenda | Action |
| 3. Hennepin County Update - Commissioner Callison | Information |
| 4. Matters of general public interest | Information |

Welcome to the Board Meeting. Anyone may address the Board on any matter of interest in the watershed. Speakers will be acknowledged by the President; please come to the podium, state your name and address for the record. Please limit your comments to no more than three minutes. Additional comments may be submitted 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 a future agenda.

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| 5. Reading and approval of minutes | Action |
| a. Board of Manager Regular Meeting, August 5, 2020 | |
| b. Board of Managers Budget Workshop, August 17, 2020 | |
| 6. Citizen Advisory Committee | Action |
| a. Report | |
| b. Motion | |
| 7. Consent Agenda | |
| (The consent agenda is considered as one item of business. It consists of routine administrative items or items where discussion isn't essential to understanding. Any manager may remove an item from the consent agenda for action.) | |
| a. Accept August Staff Report | |
| b. Accept August Engineer's Report | |
| c. Accept August Construction Inspection Report | |
| d. Approve Pay App #2 Duck Lake Rain Gardens | |
| e. Approve Pay App #9 Scenic Heights | |
| f. Approve Resolution 2020-012 Authorizing Administrator to sign quit claim deed and related forms for parcel exchange with Chanhassen on TH101. | |

- 8. Action Items** **Action**
- a. Pulled consent items
 - b. Accept July Treasurer's Report
 - c. Approve Paying of the Bills
 - d. Liability Coverage
- 9. Discussion Items** **Information**
- a. Manager Report
 - b. Administrator Report
 - c. Personnel committee meeting
 - d. Governance committee meeting
 - e. LLCA Letter Regarding Shoreline Stabilization Process
 - f. MAWD Resolutions
 - g. Other
- 10. Upcoming Board Topics**
- a. Public Hearings for Duck Lake Plan Amendment, 2021 Budget and Fairway Woods stewardship grant application, September 9th, 2020, 7pm
 - b. Public Hearing for Ordering Rice Marsh Lake Water Quality (October)
 - c. St Hubert Community Cooperative agreement
 - d. other
- 11. Upcoming Events** **Information**
- Personnel Committee Meeting, September 3, 1pm, Virtual
 - Public Hearings for Duck Lake Plan Amendment, 2021 Budget and Fairway Woods stewardship grant application, September 9th , 2020, 7pm Virtual
 - Smart Salting for Property Managers, September 16th, 9am Virtual
 - Citizen's Advisory Committee Meeting, September 21, 6 pm Virtual
 - Board of Managers Meeting, October 7, 7pm Virtual

Please check www.rpbcwd.org for the most current meeting details.

MEETING MINUTES

Riley-Purgatory-Bluff Creek Watershed District

August 5, 2020, RPBCWD Board of Managers Monthly Meeting

PRESENT:

Managers: Jill Crafton, Treasurer
Larry Koch
Dorothy Pedersen, Vice President
Dick Ward, President
David Ziegler, Secretary

Staff: Amy Bakkum, MN Green Corps Member, RPBCWD
Claire Bleser, RPBCWD Administrator
Zach Dickhausen, Water Resources Technician II
Terry Jeffery, Watershed Planning Manager
B Lauer, Education and Outreach Assistant
Josh Maxwell, Water Resources Coordinator
Louis Smith, Attorney, Smith Partners
Scott Sobiech, Engineer, Barr Engineering Company

Other attendees: Elizabeth Henley, Smith Partners
Sharon McCotter, CAC
Marilynn Torkelson, CAC

Note: this meeting was held remotely via meeting platform Zoom in abidance with state mandates in response to Covid-19.

1. Call to Order

- 1 President Ward called to order the Wednesday, August 5, 2020, Board of Managers Regular
- 2 Monthly Meeting at 7:00 p.m. The meeting was held remotely via meeting platform Zoom.
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2. Approval of Agenda

4 Manager Koch requested removing from the Consent Agenda items 6a – Accept July Staff
 5 Report, 6b – Accept July Engineer’s Report, 6c – Accept July Construction Report, 6d – Approve
 6 Pay App #1 Duck Lake Rain Gardens, 6e – Approve Pay App #5 Lower Riley Creek
 7 Stabilization, 6k – Approve Permit 2020-040 6605 Horseshoe Curve – Shoreline as presented in
 8 the proposed Board action of the permit report, 6l – Authorize President to Execute Cooperative
 9 Agreement with Bearpath Golf and Country Club for the Middle Riley Creek Stabilization
 10 Project, 6m – Authorize Administrator to solicit Request for Proposals for Banking Services.
 11 Manager Koch requested adding 7f – UMN Study on the effects of wakes and item 8h to discuss
 12 scheduling a meeting with the District Administrator and Ms. Strandell regarding the District’s
 13 financials for the first half of 2020. President Ward removed items 7e – MAWD Resolutions,
 14 which will be discussed at the Board’s upcoming special meeting on Monday, August 17, and 8e
 15 – Schedule Budget Workshop, because the budget will be discussed at the Board’s August 17
 16 special meeting.
 17 Manager Ziegler moved to approve the agenda as amended. Manager Pedersen seconded the
 18 motion. Upon a roll call vote, the motion carried 5-0 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

3. Matters of General Public Interest

21 No matters of general public interest were raised.

4. Reading and Approval of Minutes

a. July 8, 2020, RPBCWD Board of Managers Monthly Meeting

22 Manager Ziegler had a correction on line 13, so the sentence reads “8a” in place of “7a.”
 23 Manager Koch had an edit on page 12 noting a correction was needed regarding the
 24 voting for permit 2020-029. He said the Board voted on two variances, including the vote
 25 on the variance about the fill, which was voted down, and the other variance, which was
 26 approved. Manager Koch added that there was a vote to approve the permit as well. Mr.
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28 Jeffrey agreed, saying there were two variances and the one for fill in the floodplain was
 29 not approved. Manager Koch asked the minutes to be revised to correctly reflect the three
 30 votes.

31 Manager Ziegler moved to accept the minutes as amended. Manager Crafton seconded the
 32 motion. Upon a roll call vote, the motion carried 5-0 as follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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5. CAC

35 Ms. Sharon McCotter summarized the motions, consensus items, and discussions items from the
 36 CAC’s most recent meeting. She reported the CAC would like to see the original rain garden
 37 owner’s manual designed for Duck Lake residents, and the CAC would like the manual to be
 38 finished and reach an expanded audience. Ms. McCotter said Ms. Lauer has shared that the
 39 manual has gone to Barr to be finished. Ms. McCotter said the CAC requested to receive the
 40 District’s proposed budget the day after the Board receives it. Ms. McCotter reported that the
 41 CAC members would like to be more involved in improving water quality, helping the managers
 42 with their work, and for the CAC members to continue expanding their knowledge about water
 43 issues. She brought up the fact that the CAC receives information after the Board has voted on
 44 actions, leading some CAC members to feel like observers rather than contributors and leaving
 45 many CAC members looking for more involvement. Ms. McCotter shared information she
 46 gathered from citizen advisors to the Nine Mile Creek Watershed District and offered a
 47 suggestion about bringing in a third party to help the District identify how District staff, CAC
 48 members, and Board members can work together to further the mission of the watershed district,
 49 explore a different operating system, and design a different communication process and flow. Ms.
 50 McCotter talked about the CAC’s subcommittees. Manager Pedersen provided comments and
 51 asked that the District work to find a better way to communicate with each other, so the District’s
 52 volunteers are utilized in a great way. Managers Ziegler and Koch provided their comments, and
 53 Manager Koch suggested holding periodic joint workshops, such as quarterly, with the Board and
 54 the CAC. Administrator Bleser said it seems a natural progression to periodically have systems
 55 that don’t effectively or efficiently work any longer, indicating it is time to address what’s not
 56 working. She said it seems like that it what is being identified here.

57 President Ward asked Ms. McCotter if she would share her notes with Administrator Bleser to
 58 distribute to the managers.

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6. Consent Agenda

60 Manager Ziegler moved to approve the Consent Agenda. Manager Crafton seconded the motion.
 61 The Consent Agenda included item 6f – Approve Modification to Permit 2018-028 Oak Point
 62 Elementary Parking Lot as Presented in the Proposed Board Action of the Permit Report, 6g-
 63 Approve Permit 2019-051 Berrospid Addition as Presented in the Proposed Board Action of the
 64 Permit Report, 6h – Approve Permit 2020-021 Purgatory Park Emergency Pipe Replacement as
 65 Presented in the Proposed Board Action of the Permit Report, 6i - Approve Permit 2020-030
 66 Vine Hill Road Crossing as Presented in the Proposed Board Action of the Permit Report, and 6j
 67 – Approve Permit 2020-031 Prairie Heights Addition as Presented in the Proposed Board Action
 68 of the Permit Report. Upon a roll call vote, the motion carried 5-0 as follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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7. Action Items

71 a. Pulled Consent Agenda items

72 i. Accept July Staff Report

73 Manager Koch asked about Ms. Bakkum’s role regarding the District’s financials.
 74 Administrator Bleser responded. Manager Koch asked for details about the Zebra
 75 mussel veliger sampling. Mr. Maxwell said staff sent the samples in to the lab this
 76 week, and last Friday’s visual scan at Lotus Lake didn’t reveal zebra mussels.
 77 Manager Koch asked for more information on the two shoreline restorations that
 78 received grants. Ms. Lauer provided more details. Mr. Jeffery added that the two
 79 projects were buffer projects and not shoreline stabilization projects. Manager
 80 Koch asked if staff has given thought about providing more YouTube videos to
 81 provide educational information for students. Administrator Bleser and Ms. Lauer

82 responded, mentioning the tree nursery video already created and listing ideas
 83 staff has come up with regarding potential education video topics. Manager Koch
 84 asked for an update of the Scenic Heights project. Engineer Sobiech responded.

85 Manager Koch moved to accept the July staff report as presented. Manager
 86 Crafton seconded the motion. Manger Pedersen noted that some cost share
 87 applicants have let her know that they haven't heard back from the District.
 88 President Ward asked Ms. Lauer and Manager Pedersen to touch base about the
 89 status of these applications. Upon a roll call vote, the motion carried 5-0 as
 90 follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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94 ii. **Accept July Engineer's Report**

95 Manager Koch asked about the process of tracking time regarding discussions
 96 before a permit application comes in to the District. Engineer Sobiech described
 97 the process. Manager Koch said he would like the Board to discuss a better way to
 98 track time and ensure the costs get assigned to the permittee. Engineer Sobiech
 99 fielded several other questions from Manager Koch.

100 Manager Koch moved to accept the July Engineer's Report. Manager Ziegler
 101 seconded the motion. Manager Ziegler asked about a meeting between
 102 Administrator Bleser, Mr. Jeffery, and Manager Koch, and he commented he
 103 would have liked that meeting to have been announced so he could have had an
 104 opportunity to attend. Upon a roll call vote, the motion carried 5-0 as follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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iii. **Accept July Construction Inspection Report**

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Manager Koch commented it would be useful for the report to indicate if the projects passed or failed inspection and what the problems were, if any. Manager Koch moved to accept the July Construction Inspection Report. Manager Crafton seconded the motion. Upon a roll call vote, the motion carried 5-0 as follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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iv. **Approve Pay App #1 Duck Lake Rain Gardens**

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Manager Koch said according to his calculations, with the project the District spent \$29,000+ on one property and \$17,000+ on the other. Engineer Sobiech said correct. Manager Koch said on one, the District is spending \$17,000 on a pervious driveway. Manager Koch shared his dislike about spending that amount of money on private property. He said he didn't want this type of project on private property to occur in the future without the managers being notified in advance of the work. He said he doesn't think this is the right way to spend money. Manager Ziegler moved to approve Pay App #1 Duck Lake Rain Gardens. Manager Crafton seconded the motion. Manager Ziegler commented that the Board approved the

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project, and it was a good one, but he, too, was surprised that the District spent that much on one property. Manager Koch said his other concern is that the District needs to make sure the process is fair and equitable for everybody. Upon a roll call vote, the motion carried 4-1 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	No
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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v. **Approve Pay App #5 Lower Riley Creek Stabilization**

Manager Koch asked if this is the final pay app for this project. Engineer Sobiech said the project is 99% complete, and he estimates the District will receive one more pay app before the ongoing maintenance begins. Manager Koch said he has concerns about these types of contracts allowing these types of changes. He said he is always concerned about people trying to make money on changes, because that is usually where the money is made. Manager Ziegler moved to approve Pay App #5 Lower Riley Creek Stabilization. Manager Crafton seconded the motion. Upon a roll call vote, the motion carried 5-0 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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- vi. **Approve Permit 2020-040 - 6605 Horseshoe Curve – Shoreline as Presented in the Proposed Board Action of the Permit Report**
 Manager Koch said he did not see the on the drawings the required parallel line data. Engineer Sobiech said the parallel line is not shown on the submitted drawings. He explained that he worked with the District’s legal counsel to interpret the language in the rules, and it was determined that the parallel line is required when a rip rap project is proposed but not a bioengineering solution as is the case with this permit application.

 Manager Ziegler moved to approve Permit 2020-040. Manager Crafton seconded the motion. Manger Ziegler made the friendly amendment to include the Engineer’s recommendations as part of the approval. Manager Crafton accepted the friendly amendment.

Upon a roll call vote, the motion carried 5-0 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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- vii. **Authorize President to Execute Cooperative Agreement with Bearpath Golf and Country Club for the Middle Riley Creek Stabilization Project**
 Manager Koch said he has provided comments to Dr. Bleser, but he is not sure she forwarded those comments to the District’s legal counsel. Manager Koch said he is not comfortable approving an incomplete agreement, meaning without appropriate drawings that specify exactly what Bearpath will do and exactly what the District will do. Manager Koch said without those drawings, the language could be slippery for forcing the commitment by Bearpath to do it. He recommended tabling this item until the agreement is complete with drawings. Engineer Sobiech provided an update on the status of the process, saying the goal is to go out for bids in October. Manager Koch asked if drawings to at least the 60% design phase could be provided to the Board. Engineer Sobiech said yes, 60% drawings could be provided.

 President Ward asked why this cooperative agreement is in front of the Board at

173 this point in the design process. Administrator Bleser responded that in the past
 174 the Board has requested the Cooperative Agreement come in front of the Board
 175 earlier and before the design is complete, but staff can bring cooperative
 176 agreements in front of the Board at the end of design if the Board so wishes.
 177 Engineer Sobiech said a reason for bringing this to the Board at this stage is to
 178 gather feedback that could be addressed while the design phase is still in process
 179 and the design can still be modified.

180 Attorney Smith said the cooperative agreement is crafted because District is
 181 commencing a design process, and even though the District has a commitment
 182 letter from Bearpath, it's in the District's best interest for the parties to agree at
 183 this point, the 60% design, and then commence further. Attorney Smith explained
 184 the agreement was developed because the watershed typically wouldn't want to
 185 start a project without knowing there is site access and project commitment before
 186 proceeding further. President Ward noted that there should be language in the
 187 agreement that it is subject to review of the 60% plans, and the 60% plans should
 188 become part and parcel of this agreement. Attorney Smith responded yes, there is
 189 such language. President Ward asked if the cooperative agreement's item 6g,
 190 could name the attorney. Attorney Smith said it is not something the District has
 191 done, but it could be added. President Ward requested it be added. Manager Koch
 192 provided comments on additional information he would like to see included in the
 193 cooperative agreement.

194 Manager Koch moved to layover this agenda item until the Board's September
 195 meeting. Manager Crafton seconded the motion. There was discussion about the
 196 impacts of delaying this by a month. Manager Koch amended his motion to
 197 provide for this item to be addressed at the earliest next meeting of the managers
 198 after the Board receives the scope of work and 60% drawings. Manager Crafton
 199 agreed to that friendly amendment. The managers discussed that the Board is
 200 scheduling one and maybe two special meetings of the Board prior to the Board's
 201 September monthly meeting. Upon a roll call vote, the motion carried 5-0 as
 202 follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

204 viii. **Authorize Administrator to Solicit Request for Proposals for Banking**
 205 **Services**

206 Manager Koch stated there is additional information that should be included in the
 207 RFPs, and he has sent Dr. Bleser his comments regarding such information. He
 208 moved to lay this item over until a future Board meeting to allow Dr. Bleser time
 209 to review his comments. Manger Crafton seconded the motion. Upon a roll call
 210 vote, the motion carried 5-0 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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 212 **b. Accept June Treasurer’s Report**

213 Treasurer Crafton communicated that the report has been reviewed in accordance with
 214 the District’s internal controls and procedures. She moved to accept the June Treasurer’s
 215 Report as submitted. Manager Ziegler seconded the motion. Manager Koch asked about
 216 an invoice from ABDO. Administrator Bleser responded it is the final payment for the
 217 audit. He asked Administrator Bleser to check to ensure the District isn’t overpaying
 218 compared to the amount agreed upon in the contract. Manager Koch asked several other
 219 detailed questions about invoices listed in the June report. Manager Koch reiterated he is
 220 uncomfortable with the District not listing the Visa charges per vendor and requested the
 221 District ask the accountant to provide the District with a communication stating the way
 222 the Visa charges are being accounted for is consistent with generally accepted accounting
 223 principles. Upon a roll call vote, the motion carried 5-0 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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c. Approve Paying of the Bills

Manager Crafton moved to approve paying of the bills. Manager Pedersen seconded the motion. Manager Koch asked if the District owes interest on the May accounts receivables and asked if the District paid the invoices within 45 days. Manager Crafton said she will verify that they were paid within 45 days. Upon a roll call vote, the motion carried 4-1.

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	No
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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d. Consider Permit 2020-041 7420 Chanhassen Road – Shoreline as Presented in the Permit Review Report

Mr. Jeffery provided project background and said he and Engineer Sobiech will be looking to the Board to provide guidance on how to handle after the fact permits. Mr. Jeffery explained that he and Engineer Sobiech will present the technical review of the project but will not be making a recommendation. Mr. Jeffery stated that staff will rely on the Board to decide how to handle this after the fact permit, recognizing that without a policy in place, every decision sets precedence.

Engineer Sobiech went through the technical review, and he noted staff didn't receive a an engineer-certified plan until July 29. He pointed out the installation did not reduce the flood storage volume of Lotus Lake, based on the cross-section drawing provided. Engineer Sobiech said the meat of this discussion is around the District's shoreline stabilization rule. He reported that Mr. Jeffery had provided the applicant a draft erosion intensity worksheet in February 2020. Engineer Sobiech said it is the applicant's responsibility to provide the worksheet for the District's review. Engineer Sobiech said he went through the worksheet and had a slight variation compared to Mr. Jefferey's worksheet, due to the fetch, and the variation altered the score from 47 to a 48-49. Engineer Sobiech explained that an intensity score of 47 means bioengineering, and a score above 47 means a combination of bioengineering and vegetated rip rap. He explained the applicant proposes to leave the rip rap as is and install native vegetation above the rip rap. Engineer Sobiech said staff would like the applicant to confirm the erosion intensity and revise their drawing to include pseudo vegetated rip rap such as live stakes or native plugs in the gaps in addition to providing vegetation above the rip rap.

255 Engineer Sobiech responded to managers’ questions and comments. Manager Koch
 256 pointed out if the District requires it, then the District requires it. He moved to lay over
 257 this agenda item and to direct staff to collect the information discussed by him and
 258 Engineer Sobiech, require complete plans, and that this issue be brought back to the
 259 Board at a later time, and the information should include the amount of time staff has
 260 worked on this project to-date. Manger Ziegler made the friendly amendment that the
 261 Board is laying this application over because it is incomplete and therefore the time limit
 262 for Board action and automatic approval does not apply. Manager Koch accepted the
 263 friendly amendment. Manager Pedersen seconded the motion. Mr. Jeffery ask for a point
 264 of clarification, and President Ward said that clarification will need to wait until the
 265 application is complete and the Board has received and reviewed the complete
 266 information at a future meeting. Upon a roll call vote, the motion carried 5-0 as follows:
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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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 270 **e. St. Anthony Falls Research Opportunity: Boat Wake Impacts on MN Lakes**
 271 Administrator Bleser said the District has a unique opportunity regarding crowd-fund-
 272 based research out of St. Anthony Falls Laboratory. She explained the research will
 273 collect information in the summer 2021 on impacts of wake boats and wave action on
 274 shorelines. Administrator Bleser stated she sent the managers more detailed information
 275 about this research yesterday. Manager Koch added there is also concern about the
 276 impacts of wake boats on lake bottoms. Manager Koch moved to authorize the District to
 277 contribute \$10,000 toward this project. Manager Crafton seconded the motion. Manager
 278 Ziegler asked what budget this would come from. Administrator Bleser recommended the
 279 funds come from the District’s data collection budget, and she said there are funds
 280 available. Manager Koch made the friendly amendment to specify that the \$10,000 will
 281 come from the District’s data collection budget. Manager Crafton accepted the friendly
 282 amendment. Upon a roll call vote, the motion carried 5-0 as follows:
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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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8. Discussion Items

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a. Manager Reports

Manager Pedersen said it is time to work on the Administrator’s review. She recommended the District use the same process it used last year and consider contracting with Barbara Strandell for the work. She said the cost would be less than \$5,000. She asked for Board feedback. Manager Koch said he thinks the Board should move forward. Manger Pedersen moved that the Board initiate the Administrator review process and work with Barbara Strandell at a cost not to exceed \$5,000, with work performed in August and the review in September. Manager Crafton seconded the motion. Manager Koch asked where the funds would come from. Administrator Bleser said last year the District used reserve funds. Manager Koch said ultimately the District will just have to balance out its funds. Upon a roll call vote, the motion carried 5-0 as follows:

<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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b. Administrator Report

Administrator Bleser announced the District is being awarded a \$50,000 from the

301 Minnesota Pollution Control Agency for modeling in the Purgatory Creek watershed,
302 specifically focusing on Eden Prairie. She noted that Engineer Sobiech was a co-author
303 on the grant.

304 **c. Schedule Personnel Committee Meeting**

305 The Board and staff scheduled the meeting for Monday, August 17 at 9:00 a.m.

306 **d. Schedule Governance Committee Meeting**

307 The Board and staff scheduled the meeting for Friday, August 14 at 1:00 p.m.

308 **e. Shoreline Stabilization Regulations and Policies**

309 Mr. Jeffery reported he and Administrator Bleser recently received a letter from the Lotus
310 Lake Conservation Alliance president, and he will forward the letter to the managers. He
311 said he would like the managers to consider the letter and discuss it and shoreline
312 stabilization policies at a future Board meeting.

313 **f. Rice Marsh Lake Sediment Chemistry Post-Alum**

314 Administrator Bleser said this is a point of information and the report from Wenck has
315 been distributed to the Board. Manager Koch said the Board should consider if it will
316 order any additional filtration projects until there is more information about the results of
317 existing projects.

9. Upcoming Board Topics

318 President Ward noted upcoming Board topics and events are listed on the meeting
319 agenda.

10. Upcoming Events

- 320 • Governance Committee Meeting, August 14, 2020, 1:00 p.m., Zoom meeting
- 321 • Personnel Committee Meeting, August 17, 2020, 9:00 a.m., Zoom meeting
- 322 • Citizen Advisory Committee Meeting, August 17, 2020, 6:00 p.m., Zoom Meeting
- 323 • Board of Managers Budget Workshop, TBD, Zoom Meeting
- 324 • Board of Managers Public Hearing and Regular Meeting, September 2, 2020, 7:00 p.m., Zoom
325 Meeting

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11. Adjournment

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Manager Crafton moved to adjourn the meeting. Manager Pedersen seconded the motion. Upon a roll call vote, the motion carried 5-0 as follows:

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<i>Manager</i>	<i>Action</i>
Crafton	Aye
Koch	Aye
Pedersen	Aye
Ward	Aye
Ziegler	Aye

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The meeting adjourned at 9:41 p.m.

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Respectfully submitted,

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David Ziegler, Secretary

DRAFT Minutes: Monday, August 17, 2020
RPBCWD Citizen’s Advisory Committee Monthly Meeting
Location: VIRTUAL VIA ZOOM OR TELEPHONE

CAC Members (By each name, put a P=Present, E=Excused, not present but with notification or A=Absent with no notification)

Jim Boettcher	P	Barry Hofer	P	Sharon McCotter	P	Marilynn Torkelson	P
Kim Behrens	P	Peter Iverson	E	Jan Neville	P		
Michelle Frost	P	Terry Jorgenson	E	Vanessa Nordstrom	A		
Heidi Groven	E	Matt Lindon	P	Joan Palmquist	P		

Claire Bleser	RPBCWD Administrator	P
B Lauer	RPBCWD staff	P
Jill Crafton	Board of Managers	P

Key MOTIONS for the Board of Managers: None

Key CONSENSUS ITEMS: We resolve to support BOM’s efforts to prevent unauthorized shoreline projects through education and to provide consequences for implementing shoreline projects without the appropriate permits. The CAC will modify the existing “New Lake Home Owners Guide and update to indicate consequences for doing work without appropriate permits. The CAC will also tailor the guide for different water bodies, including lakes, retention ponds... etc.

Key DISCUSSION ITEMS: None

I. Opening

- A. Call CAC meeting to Order Meeting called to order at 6:01:**
- B. Attendance:** As noted above.
- C. Matters of general public interest:** None
- D. Approval of Agenda:** Kim made a motion to add a 10 minute “get to know you” segment, Joan seconded. Motion passed. Joan moved and Sharon seconded to approve the agenda as amended. Motion carried. Everyone introduced themselves and their favorite water body in the watershed.
- F. Approval of July 20 2020 CAC Meeting Minutes:** Joan moved and Jan seconded to approve the minutes as written. Motion carried.

II. Learning Presentation: Review of early draft of yearly watershed budget 6:10 – 6:35 -(Claire) September 2nd proposed budget public hearing at board mtg, must be approved by Sept 15. Review budget December board meeting.

III. Board Meeting Recap and Discussion (Sharon)

- Permit 2020-041 - 7420 Chanhassen Road – Discussion on how to handle a project where the property owner/contractor did not get permission/permits in advance-Project was allowed to be completed but, how will they be held accountable? Vegetation will be installed in the riprap, engineering details will be investigated-were they handled appropriately? Jan suggests that a plan be developed so there’s

some consistency. Consequences may be outlined in the watershed's information on obtaining permits.

- U of MN study on wake boats and impact on shorelines
- Shoreline Stabilization Regulations and Policies – heads up from Terry that it is coming
- Rice Marsh Lake Sediment Chemistry Post-Alum Wait for results from existing work before spending money on future alum treatments.
- Input from Managers on CAC motions, consensus and discussion items
- Marilyn asked Claire about the MAWD resolutions for this year. Last year's resolutions had to do with wake boats and pesticides ban. They were not adopted. They will be revised and resubmitted this year. The Wake boats resolution includes 3 potential concurrent solutions: 1. Limiting wake boats to areas of lakes sufficiently distanced from shorelines to allow boat-generated waves to adequately dissipate and lessen energy before coming into impact with lake shorelines; and 2. Banning wake boats waves in shallow lake areas where waves created by wake boats detrimentally impact sediment, aquatic vegetation, and aquatic habitat; and 3. Requiring wake boats to be designed, and existing boats to be modified, to enable complete drainage and decontamination of ballast tanks to stop the spread of AIS. -will be supported by crowd fund research. The second resolution is to Ban the use of carcinogenic pesticides and herbicides on residential and commercial lawns. A third resolution is on groundwater conservation to limit irrigation with potable water, especially lawn irrigation in urban and suburban areas. Regulate more strictly the time of day and urge cities to require contractors that are installing irrigation systems to receive training so that installed irrigation systems use water efficiently. Fourth resolution is to adopt a Soil Health Day to recognize soil as an essential natural resource, and soils professionals as playing a critical role in managing our soil resources. What do we want to see? 5% soil organic content is one goal under consideration. Metro watershed incorporate goals with regards to soil health. 5th Resolution from the Technical Environmental Panel that look at evaluating the wetlands and implements the Wetland Conservation Act. Currently, a city is not required to have the WD staff on the Technical Environmental Panel. Staff is working with Prior Lake Spring Lake WD on a resolution to request that WD staff be included.

IV. Program and Project Updates

- A. Additional specific program/project updates from August board meeting not discussed in section III. **This item has been postponed until the BOM minutes are available to review.**
- B. CAC questions from their review of the board packet: CAC questions from their review of the board packet for updates to previously discussed projects i.e. St. Hubert's, Alum for Lake Riley, Middle Riley Restoration, Wetlands at Pioneer Trail, Starring Lake Outdoor Center/Capture and Reuse, Groundwater Conservation Program, Watershed Stewardship Grant, Silver Lake Fair, Preserve HOA - **This item has been postponed until the BOM minutes are available to review.**
- C. Brief update from Sharon on the Salt Symposium and Planting Native Prairie Webinar presented by Scott County
Salt Symposium- First day was on water softeners and fertilizers-calibration of equipment is key. Education for end users is also vital. Second day was on use of salt for deicing. Sharon concluded that the speakers and organizers did an excellent job. The symposium was put on by Fortin Consulting.

V. Staff Engagement with CAC

- A. Maya is leaving Riley Purgatory Bluff Creek WD for a position with Friends of the BWCA.

- B. CAC addresses are still needed for our CAC map; who is missing and would still like to add their info? (B)
- C. Discussion and workshop on CAC operating model led by B
 - i. Consensus on what are we trying to fix/solve. Creation of a problem statement.
 - ii. How to best get input from CAC, staff and managers. Staff propose a survey on what you see as happening and what you would like to see happening? Hire third party to compile the results. Joan and Kim volunteered to help draft the survey questions. Upon further discussion, the CAC proposed a workshop instead of survey.
 - iii. Promise of an improved end result

VI. CAC Business

- A. Filling Lori's vacated position; self-nominations? There were no nominations but several members had to leave the meeting at 8:30 (our original end time) and we were running late. Sharon will send out an email soliciting nominations.
- B. Shared Nuggets – Any new “Shared Nuggets”? (Please keep to 1 minute) **omitted due to time constraints**
- C. Other topics – Water Stewardship Grant (WSG) application review committee is completely separate from the Landscaping for Water subcommittee group.
- D. Topics and suggestions for next meeting - Review shoreline homeowners guide per Matt's suggestion. Possibly tailor the guide for different water bodies, including lakes, retention ponds... etc.

VII. Subcommittee Reports: omitted due to time constraints

- A. **Education and Outreach/Speaker's Bureau:** Wild Ones Prairie Edge chapter and the city of Eden Prairie collaborated to present Lori Tritz's webinar: Landscaping for Water Sustainability August 5th. Thirty or so people participated.
- B. **Lakes and Streams:**
- C. **Landscaping for Water:** Raingarden Maintenance manual has been sent to Barr Engineering.
- D. **Youth Engagement in CAC:** None

VIII. Upcoming Events

1. RPBCWD Board of Managers September 2, 2020; 7:00 PM Regular board meeting – virtual Zoom meeting - Joan to attend on behalf of the CAC
2. RPBCWD CAC Meeting September 21, 2020; 6:00 PM – virtual Zoom meeting; Manager Ward to attend on behalf of the managers
3. Wild Ones partnership presentations through the City of Eden Prairie (look on Wild Ones Prairie Edge Facebook page and City of Eden Prairie website for links)
 - a. Rethinking the Lawn: Landscaping to Mitigate Climate Change- Aug 19, 6:30 pm

IX. Adjourn CAC meeting: Joan moved & Barry seconded a motion to adjourn. Motion carried. Meeting adjourned at 9:04PM.

RPBCWD August Staff Report

Administration		Staff update	Partners
Accounting and Audit	Coordinate with Accountants for the development of financial reports. Coordinate with the Auditor. Continue to work with the Treasurer to maximize on fund investments.	Administrator Bleser continues to work with Staff Bakkum on internal controls and finances. Staff Bakkum has been doing a terrific job in taking over.	
Administration		Administrator Bleser completed an exit interview with Staff Swope. Administrator Bleser met with the Personnel Committee to discuss organizational needs, in particular staffing needs.	
Annual Report	Compile, finalize and submit an annual report to agencies	Completed	
BWSR	Discuss Targeted Watershed Grant Distribution	<p>Staff Maxwell attended the last two meetings that discussed the idea of funds going to a larger carp and rough fish initiative. The second meeting also discussed equitable grant funding for water quality projects and how they should be scored. RPBCWD scoring methodology was used as an example for a successful scoring methodology.</p> <ul style="list-style-type: none"> Staff Maxwell led the first Southwest Metro Rough Fish Monitoring Group meeting the end of last month. This initial meeting was intended to brainstorm ideas about the formation and function of a collaborative southwest metro rough fish management group. A collaborative effort would hopefully 	9-Mile WD Eden Prairie BWSR Bloomington Chanhassen Carver Co. Hennepin Co. LMRWD Minnetonka Waconia

		<p>reduce costs, share expertise, and possibly allow for a more competitive way to apply for clean water funds to support the effort of rough fish management. The two main rough fish species discussed included goldfish and common carp.</p>	
DEI	Diversity, Equity and Inclusion	<p>Staff Lauer and Staff Bakkum are working to create and expand language within the employee handbook to address diversity, equity, and inclusion in the workplace.</p>	
Human Resources	General Human Resources	<p>EFMLA in relation to COVID. Administrator Bleser reached out through our LMC insurance to get clarifications on the various COVID relief funds and how they applied to the District. This information was relayed to staff.</p>	
Internal Policies	Work with Governance Manual and Personnel Committees to review bylaws and manuals as necessary	<p>Met with the Governance Committee to discuss final revisions to the manual and clarify direction on a few items. Discuss adding Diversity, Equity and Inclusion language to the manual too.</p> <p>Met with the Personnel Committee to discuss organizational changes.</p>	
Advisory Committees	<p>Engage with the Technical Advisory Committee on water conservation, chloride management and emerging topics</p> <p>Engage with the Citizen Advisory Committee on water conservation, annual budget and emerging topics.</p>	<p>The CAC met for their regular meeting on August 17th. Administrator Bleser presented on the budget and answered questions on projects that CAC had. Staff Lauer led CAC members through a facilitated discussion in which CAC members furthered their work in evaluating their functional model. Staff Lauer will continue to work with the CAC Chair and members of the CAC to execute identified next steps.</p>	

Local Surface Water Management Plan		Staff continues with the City of Chanhasen on the possibility of taking on some of the regulatory program.	
MAWD		A total of five resolutions will be submitted to MAWD for consideration. These include: groundwater conservation, pesticide use, wake boating research and regulations, the importance of soil health, and representation of WD on TEPs.	
District-Wide			
Regulatory Program	Review regulatory program to maximize efficiency. Engage Technical Advisory Committee and Citizen Advisory Committee on possible rule changes. Implement a regulatory program.	Staff is still working with Chanhasen staff to finalize their local water management plan with the expressed intent of Chanhasen assuming most regulatory responsibilities. Chanhasen has indicated they would like to provide draft local controls for RPBCWD review late August/early September. Staff have been using the new database to enter permit applications and have provided feedback to HEI for incorporation into the database. HEI is currently working on the public interface application. Staff have just begun to use the inspections application. As the full permit database is not yet complete, there are some aspects of the permit inspections application that are not fully operational. Staff is excited for the full roll out of both applications. The application was constructed to allow for us to create our own modules for applications such as tracking District constructed BMPs, District projects, etc.	

		<p>Three permit applications have been submitted since the August meeting. One is a home addition and is administrative. This was approved administratively on August 19, 2020. One application was for the expansion of an existing parking lot at Biolyph in Chaska and the other is for a metes and bounds two lot subdivision in Chanhassen. The following permits were administratively approved since the August meeting.</p> <ul style="list-style-type: none"> ● 2020-047 Abdul Landscaping ● 2020-048 Pogge Privacy Berm ● 2020-050 Parkhurst Home Addition 	
<p>Aquatic Invasive Species</p>	<p>Review AIS monitoring program Develop and implement Rapid Response Plan as appropriate Coordinate with LGUs and keep stakeholders aware of AIS management activities. Manage and maintain the aeration system on Rice Marsh Lake Riley Chain of Lakes Carp Management Purgatory Chain of Lakes Carp Management Review AIS inspection program. Keep abreast in technology and research in AIS. Zebra mussel veliger testing.</p>	<p>The Rice Marsh Lake Aeration unit was pulsed this month to ensure operation this winter and clear bio material. The fish barrier was pulled after the large rain event in August and has been kept out as water levels are still high. Regular carp monitoring began at the end of July: Fyke Netting:</p> <ul style="list-style-type: none"> ● No YOY carp captured in Rice Marsh or Lucy. ● Bluegill numbers were good and it appears the size structure improved after the winter kills for both lakes, but specifically for Rice Marsh. <p>Electrofishing:</p> <ul style="list-style-type: none"> ● Two electrofishing tests have been completed on all lakes scheduled except for Lake Riley which will be sampled after all other lakes are completed. ● Without diving into the analysis, it appears carp levels have increased in Staring. These 	<p>City of Chanhassen City of Eden Prairie University of Minnesota MN DNR Carver County</p>

		<p>fish most likely shifted down from the Rec Area as Rec Area carp levels appear to have decreased.</p> <ul style="list-style-type: none"> ● Lake Susan Park Pond carp levels were still high, however, carp levels are down from the last electrofishing event. ● Susan carp levels remain very low. <p>Zebra mussel veliger sample results were received this month for all lakes. Veligers were only found on Lake Riley.</p> <p>Staff also conducted an adult mussel scan on Lotus at the end of July and did not find any. Staff is working with Carver Co. to conduct some additional sampling to make sure efforts are not duplicated.</p> <p>The City of Eden Prairie conducted a vegetation survey on Duck Lake this month as part of the District’s regular vegetation sampling schedule. Unfortunately Eurasian Watermilfoil was found during the survey (mainly on the east side of the lake). As part of the District’s rapid response plan, Staff applied for and received a permit to hand pull plants as it appeared to be early in the infestation. Shortly after staff began hand pulling it became clear it was more established and staff stopped.</p>	
Cost-Share	<p>Schedule and coordinate site visits.</p> <p>Review applications and recommend implementation.</p>	<p>Staff Lauer continues to schedule initial and close out site visits with the CCWMO technician.</p> <p>The District received three grant applications in the month of August.</p> <p>The Watershed Stewardship Grant review committee met on August 12th and August 26th to review a total of nine applications.</p>	<p>Carver County Soil and Water Conservation District</p>

		<p>As of the August 12th review committee meeting, one application was recommended for funding and approved.</p> <p>Staff Lauer is working with multiple homeowners to complete applications.</p> <p>Staff Lauer prepared an application from a condominium association from Fairway Woods for review by the Board of Managers.</p> <p>Staff Lauer met with an HDR consultant to continue to streamline the online database.</p> <p>Staff Lauer is working with Intern Olivia Holstein to create two maps: One story map highlighting a handful of successful projects and one map logging locations and data regarding all Watershed Stewardship Grants the District has awarded since the inception of the program.</p> <p>Staff Lauer has begun compiling evaluation notes for the end of year program evaluation.</p>	
Data Collection	<p>Continue Data Collection at permanent sites.</p> <p>Identify monitoring sites to assess future project sites.</p>	<p>Staff completed three rounds of regular stream and lake sample collection in July.</p> <p>WOMP stations: samples were collected 3 times this month and staff collected 3 rain event samples for the Metropolitan Council.</p> <p>Lake level sensors were checked. The Riley sensor may have been impacted by zebra mussels in the month of August and the data during that time may be compromised. Staff may place a radar sensor on the lake next year to avoid any zebra mussel impacts.</p> <p>Staff went out and re-surveyed Lotus Lake to confirm the sensor was reading correctly and it was off by 0.01 feet or 0.12 inches.</p>	<p>Metropolitan Council</p> <p>City of Eden Prairie</p> <p>University of MN</p> <p>City of Chanhassen</p> <p>MNDNR</p> <p>City of Minnetonka</p>

		<p>Pond data has been collected biweekly since the end of May. The EnviroDIY monitoring stations have been working well this year. Staff have been cleaning the sensors during every visit and calibrating the sensors when needed. One unit became submerged during the last major rain event and was pulled.</p> <p>Historical zooplankton database is currently being compiled and should be finalized by the end of the year.</p> <p>Stream EnviroDIY stations were deployed last month and have been working well. Staff has been calibrating these as needed.</p> <p>Upper Bluff Creek auto sampling unit to assess upstream pollutant loading was working well till the very end of July, but the sensor ports went bad and the unit was sent in for repair. The unit was reinstalled mid August and is operational.</p>	
District Hydrology and Hydraulics Model	<p>Coordinate maintenance of Hydrology and Hydraulics Model.</p> <p>Coordinate model update with LGUs if additional information is collected.</p> <p>Partner and implement with the City of Bloomington on Flood Evaluation and Water Quality Feasibility.</p>	<p>The District was selected as a grant recipient for their climate and resiliency project with the City of Eden Prairie. The grant is for \$50,000.</p>	<p>City of Bloomington City of Minnetonka City of Eden Prairie City of Deephaven City of Shorewood.</p>
Education and Outreach	<p>Implement Education & Outreach Plan, review at year end.</p> <p>Manage partnership activities with other organizations.</p> <p>Coordinate Public Engagement with District projects.</p>	<p>Adopt a dock volunteers continue to check monitoring plates for invasive zebra mussels and report findings to staff.</p> <p>Staff are working to coordinate online smart salting trainings coming up this fall. First training is a Property Management course scheduled Sept 16th.</p>	

		<p>Action Grants and Educator Mini-Grants remain open.</p> <p>Community members continue to sign up to adopt storm drains and keep them clear of leaves, dirt, and other debris through the Adopt-a-drain.org partnership.</p> <p>Interns: Artist intern Aimi Dickel wrapped up her time with the District this summer. She created a number of graphics, infographics, and images for print and digital materials.</p> <p>Intern Olivia Holstine has begun work to evaluate and update the District website.</p>	<p>Adopt a drain: City of Eden Prairie, City of Minnetonka, City of Bloomington, Hamline University, Nine Mile Creek Watershed District, MPCA, Fortin Consulting</p>
Groundwater Conservation	<p>Work with other LGUs to monitor, assess, and identify gaps.</p> <p>Engage with the Technical Advisory Committee to identify potential projects.</p> <p>Develop a water conservation program (look at Woodbury model)</p>	<p>Staff Lauer and Administrator Bleser received and begun review of a proposal from the City of Minnetonka to initiate a smart water meter pilot program.</p> <p>Staff Lauer has continued work on the Water Conservation Guide.</p> <p>Staff Lauer met with the new Lawn Watering Conservation Educator at the UMN to discuss conversation efforts as well as potential collaboration opportunities.</p> <p>Staff Lauer researched and compiled the MAWD Groundwater Conservation Resolution proposal.</p>	<p>Metropolitan Council City of Eden Prairie City of Shorewood City of Bloomington City of Minnetonka City of Chanhassen</p>
Lake Vegetation Management	<p>Work with the University of Minnesota or Aquatic Plant Biologist, Cities of Chanhassen and Eden Prairie, lake association, and residents as well as</p>	<p>Update from University of Minnesota</p> <p>June/July surveys have been processed and a few remaining biomass samples from the July 2020 Lake Riley survey are being processed. The Lake Susan</p>	<p>City of Eden Prairie City of Chanhassen University of Minnesota MNDNR</p>

	<p>the Minnesota Department of Natural Resources on potential treatment. Implement herbicide treatment as needed.</p> <p>Secure DNR permits and contracts with herbicide applicators.</p> <p>Lakes the District is monitoring for treatment include: Lake Susan, Lake Riley, Lotus Lake, Mitchell Lake, Red Rock Lake and Staring Lake.</p> <p>Work with Three Rivers Park District for Hyland Lake</p>	<p>point-intercept survey and biomass collection for August 2020 has been completed. Coontail was the predominant taxa found within Lake Susan in August. No milfoil was found in Lake Susan, however, brittle naiad was found at one point on the southwest side of the lake and a voucher was collected. Secchi depth was 0.6m.</p> <p>August point-intercept and biomass sampling are planned for Staring Lake and Lake Riley.</p> <p>Olson is continuing to work on a thesis research proposal for his committee.</p>	
Opportunity Projects	Assess potential projects as they are presented to the District	<p>ISG has provided the District with a feasibility report for the Preserve Association capture and reuse project.</p> <p>Staff Lauer met with ISG staff to review feasibility reports for both the Staring Lake Outdoor Center and Preserve Association Capture and reuse projects.</p>	<p>ISG</p> <p>Staring Lake Outdoor Center</p> <p>The Preserve Association</p>
Total Maximum Daily Load	<p>Continue working with Minnesota Pollution Control Agency on the Watershed Restoration And Protection Strategies (WRAPS).</p> <p>Engage the Technical Advisory Committee.</p>	No new updates	MPCA
Repair and Maintenance Grant	Develop and formalize grant program.	No new update.	
University of Minnesota	Review and monitor progress on University of Minnesota grant.	Iron filing ponds are being monitored biweekly and with continuous monitoring stations.	<p>Stormwater ponds partners:</p> <p>Bloomington,</p> <p>Chanhassen, Eden</p>

	<p>Support Dr John Gulliver and Dr Ray Newman research and coordinate with local partners.</p> <p>Keep the manager abreast to progress in the research.</p> <p>Identify next management steps.</p>	<p>The District was contacted to provide wetland pond information for a new study at the U of MN.</p>	<p>Prairie, Minnetonka, Shorewood, and Limnotech.</p> <p>Plant Management: Chanhassen Eden Prairie</p>
Watershed Plan	<p>Review and identify needs for amendments.</p>	<p>No new updates.</p>	
Wetland Conservation Act (WCA)	<p>Administer WCA within the Cities of Shorewood and Deephaven.</p> <p>Represent the District on Technical Evaluation Panel throughout the District</p>	<p>No WCA applications have been received in Deephaven.</p> <p>No WCA applications have been received in Shorewood.</p> <p>Staff Jeffery has provided comment on applications in Chanhassen, and Eden Prairie.</p>	<p>City of Shorewood City of Deephaven City of Chanhassen City of Eden Prairie MCWD BWSR DNR ACOE</p>
Wetland Management	<p>Assess known existing wetlands, identify previously unknown wetlands, and identify potential restoration and rehabilitate wetlands and wetland requiring additional protection.</p>	<p>Staff Jeffery, Staff Dickhausen and staff Nicklay continue to perform the assessments throughout southern Eden Prairie. As staff finish assessments of sections in southern Eden Prairie, they will begin to assess wetlands in Bloomington next month.</p> <p>Barr Engineering has completed the updates to the MNRAM. Staff Jeffery is working with the field data collected above to bug test the beta version.</p> <p>Staff Jeffery, Staff Maxwell, Staff Dickhausen, Engineer Sobeich and Karen Wold of Barr met to discuss how to use ecological services in the wetland assessment program and what additional data might need to be collected.</p>	<p>City of Chanhassen City of Eden Prairie Hennepin County Carver County MNDNR BWSR</p>
Hennepin County	<p>Phase 1: Develop a plan to target commercial and association-based sources or chloride pollution -</p>	<p>No additional updates.</p>	

Chloride Initiative	businesses, malls, HOAs, property management companies and the private applicators that they hire. We will hire a consultant to facilitate focus groups with private applicators, as well as those that execute contracts with private applicators. These focus groups will help identify needs and barriers for our target audience. The consultant will compile information into a plan for implementation.		
Lower Minnesota Chloride Cost-Share Program	The Lower Minnesota River Watersheds are coming together to offer cost-share grants.	Grant eligibility has been finalized and calls for application will be released soon. Information should be available at the September meeting.	
Bluff Creek One Water			
Bluff Creek Tributary Restoration	Implement and finalize restoration. Monitor Project.	Contractor is working on plantings and erosion control.	City of Chanhassen
Wetland Restoration at 101	Remove 3 properties from flood zone, restore a minimum 7 acres and as many as 16 acres of wetlands, connect public with resources, reduction of volume, rate, pollution loads to Bluff Creek	The transfer of the property at 730 Pioneer Trail is being completed. The City is working with the MN OMB to satisfy their concerns. The resolution from the special June meeting should satisfy OMB concerns. Shallow monitoring wells have reached a stasis. Survey work has been provided to Barr for design purposes. Staff Jeffery and Staff Dickhausen have finished the delineation and are preparing the wetland delineation report for submittal to the LGU for review and approval.	City of Chanhassen MN DNR

		Staff Jeffery and Engineer Sobeich will continue to work with other experts to assure a design that is as beneficial to multiple uses as possible.	
Riley Creek One Water			
Lake Riley Alum	Continuing to monitor the Lake.	Alum was successfully applied in June. Staff continues to monitor water quality.	
Lake Susan Improvement Phase 2	Complete final site stabilization and spring start up. Finalize and implement E and O for the project. Monitor project.	No updates	City of Chanhassen Clean Water Legacy Amendment
Lake Susan Spent Lime	2020 startup and monitoring.	Monitoring is continuing to assess total phosphorus removal efficiencies. The unit appears to be removing anywhere from 50-90% of total phosphorus concentrations based on sample analysis.	City of Chanhassen
Lower Riley Creek Stabilization	Coordinate agreement and acquire easements if needed for the restoration of Lower Riley Creek reach D3 and E. Implement Project. Continue Public Engagement for project and develop signage of restoration.	No new updates.	City of Eden Prairie Lower MN River Watershed District
Rice Marsh Lake Alum Treatment	Continuing to monitor the Lake.	No new updates.	City of Eden Prairie City of Chanhassen
Rice Marsh Lake Watershed Load Project 1	Conduct feasibility. Develop cooperative agreement with City of Chanhassen	Public Hearing has been delayed.	City of Chanhassen

<p>Upper Riley Creek</p>	<p>Work with City to develop scope of work (in addition to stabilizing the creek can we mitigate for climate change) Conduct feasibility Develop cooperative agreement with the City of Chanhassen Order Project Start design</p>	<p>All partners involved in the project including US ACOE, MN DNR, Chanhassen, METC, and BWSR met to discuss high level details of a potential stream restoration project and other ecological benefit practices on upper Riley. Carver County was invited but unable to attend. The meeting especially focused on early input on potential concepts and approaches, as well as permitting or other regulatory implications. The portion of Upper Riley Creek included in this effort begins at Highway 5 and ends at Lake Susan in Chanhassen. BWSR indicated that work within the channel would likely not be permitted by BWSR but floodplain wetlands were. ACOE indicated that they view impacts by length of channel lost. DNR was going to get back to the team with some regulatory questions. Staff Jeffery followed up with Charlie Howley, PE Director of Public Works and City Engineer for Chanhassen. Chanhassen will be updating their CIP to include funds for the project.</p>	<p>City of Chanhassen</p>
<p>Middle Riley Creek</p>	<p>Work with Bearpath HOA/Golf Course to develop scope of work (in addition to stabilizing the creek can we mitigate for climate change and provide for an improved recreational experience) Draft feasibility report Develop cooperative agreement with Bearpath Order Project Start design</p>	<p>Surveying and delineation of Middle Riley is complete. Administrator Bleser and engineering consultant are working with the City of Chanhassen on the corridor enhancement plan. Staff Dickhausen and Nicklay have finished the MNRAM assessments for the wetlands within Bearpath including those within the Middle Riley project area. These MNRAMS, in addition to their other functions, will be used to</p>	<p>Bearpath Neighborhood Association. City of Eden Prairie Dept. of Natural Resources</p>

		determine applicable buffer areas during the design phase of the project. A delineation report will be prepared and submitted to Eden Prairie for design purposes.	
Purgatory Creek One Water			
PCRA Berm		Feasibility is almost complete.	City of Eden Prairie
Duck Lake Water Quality Project	Work with the City to implement neighborhood BMP. Identify neighborhood BMP to help improve water resources to Duck Lake. Implement neighborhood BMPs.		City of Eden Prairie
Lotus Lake – Internal Load Control	Monitor treatment and plant populations.	No new updates	
Scenic Heights	Continue implementing restoration effort. Work with the City of Minnetonka and Minnetonka School District on Public Engagement for project as well as signage.	Staff Swope continues to check on site and monitor progress. Videos from this spring’s restoration will be processed soon. District volunteer work on the site is currently on hold, due to social distancing measures.	Minnetonka Public School District City of Minnetonka Hennepin County
Silver Lake Restoration	Order project Design Project Work with the City of Chanhassen for Design, cooperative agreement and implementation	No new updates.	City of Chanhassen
Professional Development	Administrator Bleser was asked to take part in a workshop to evaluate a EPA tool on water quality facilitated by the Environmental Law Institute.		

Memorandum

To: Riley-Purgatory-Bluff Creek Watershed District Board of Managers and District Administrator
From: Barr Engineering Co.
Subject: Engineer's Report Summarizing August 2020 Activities for September 2, 2020, Board Meeting
Date: August 26, 2020

The purpose of this memorandum is to provide the Riley-Purgatory-Bluff Creek Watershed District (RPBCWD) Board of Managers and the District Administrator with a summary of the activities performed by Barr Engineering Co., serving in the role of District Engineer, during August 2020.

General Services

- a. Participated in an August 20th meeting with USACE, MNDNR, BWSR, Met Council, city of Chanhassen, and RPBCWD staff to discuss the future Upper Riley Creek stabilization capital improvement project, easements and rights of way, regulatory constraints.
- b. Took part in an August 10th virtual meeting with Bearpath staff to improve the understanding of their planned work in conjunction with RPBCWD's streambank stabilization work.
- c. Began converting the draft Rain Garden Owner's Manual from a Keynote presentation format to InDesign and incorporating additional information.
- d. Virtual meeting with staff Jeffery, Dickhausen, and Maxwell on August 25th to discuss the needs for addition data collection to support the wetland program and potential ecological services approach to wetland ratings. Additional data needs staff will be incorporating into field work include floristic quality and potentially soil samples.
- e. Follow-up with Peterson Companies and city of Chanhassen about the Lake Susan Park Pond reuse system and water quality project to coordinate a meeting on August 27th. The purpose of the meeting is to review the system operation and troubleshoot why the system loses prime when the system starts up.
- f. Participated in the August 5th regular Board of Managers meeting.
- g. Assisted Administrator Bleser with preparation for and took part in the August 17th budget workshop.
- h. Prepared Engineer's Report for engineering services performed during August 2020.
- i. Miscellaneous discussions and coordination with Administrator Bleser about planning for 2021 budgeting and CIPs, status of current CIP projects, planning for potential survey and pond sediment assistance, project staffing, and upcoming Board meeting agenda.

Permitting Program

- a. *Permit 2018-028 Oak Point Elementary Parking Lot.* This project involves construction of a new parking lot and walkway in the southwest portion of the Oak Point Elementary School

- parcel on Staring Lake Parkway in Eden Prairie. Informed applicant of conditional approval of modification request and provided comments on the revised maintenance agreement.
- b. *Permit 2019-051: Berrospid Addition* – This project is proposing to split an existing lot with one single family home at 7406 Frontier Trail in Chanhassen, MN into three separate lots for the addition of two single family homes. The proposed project triggers RPBCWD's floodplain management, erosion control, wetland and creek buffer, and storm water management rules. Informed applicant of conditional approval and answered questions from applicant's engineer.
- c. *Permit 2020-031: Prairie Heights*: This project involves the construction of 24 new single-family homes, extension of sanitary sewer, watermain, and sidewalk through the development. The proposed development is split between RPBCWD and LMRWD. Stormwater management facilities, including three infiltration basins, will be constructed within the RPBCWD to provide volume control, water quality, and rate control for runoff prior to discharging offsite. Informed applicant of conditional approval and reviewed maintenance declaration exhibits.
- d. *Permit 2020-038 480 Bighorn Drive Shoreline* – This project involved stabilization of about 100 feet of Lotus Lake shoreline using bioengineering techniques on an existing single-family home property at 480 Bighorn Drive in Chanhassen. Because the proposed shoreline stabilization project involves work below the ordinary high water level of Lotus Lake and below the 100-year flood elevation of Lotus Lake, the project will need to confirm to RPBCWD's permit requirements for Rule B-Floodplain Management, Rule C- Erosion Prevention and Sediment Control and Rule F- Shoreline and Streambank Stabilization. The information submitted shows that riprap boulders are present on the site and erosion has exposed the underlying geotextile fabric. However, the plans submitted do not clearly document that the work will not increase the length, width or depth and will not disturb the underlying soils, thus the proposed work is not considered maintenance. Reviewed submittal and provided comments on the complete application on August 24th.
- e. *Permit 2020-040 6605 Horseshoe Curve Shoreline* – This project involved stabilization of about 145 feet of Lotus Lake shoreline using bioengineering techniques on an existing single-family home property at 6605 Horseshoe Curve in Chanhassen. Informed applicant of conditional approval.
- f. *Permit 2020-041: 7420 Chanhassen Road Shoreline* – The applicant submitted a permit application in response to the notice of probable violation (NOPV) issued on February 11, 2020 and again on May 6th for the placement of riprap to stabilize the Lotus Lake shoreline at 7420 Chanhassen Road without first receiving a permit from district. The project involved installation of riprap along 140 feet of Lotus Lake shoreline without a permit. Presented project at the August 5th Board meeting. Informed the applicant of the Board's discussion and request for additional information. The applicant indicated that they have hired a landscape architect to address the Board's comments and potential incorporate addition features to manage runoff flow across their lot from 101.
- g. *Permit 2020-045: The Bluffs at Lake Lucy* – This project is an approximately 33-acre development that consists of 31 residential lots, with new impervious areas (6.07 acres) including roads, sidewalks, trails, and buildings. Stormwater management facilities include

- one pond with an infiltration bench and a second pond with a filtration bench. The triggers RPBCWD's Floodplain Rule (Rule B), Waterbody Crossing (Rule G) and Stormwater Management Rule (Rule J) and there are wetlands downgradient of the activities, the project must conform to district Rule D-Wetland and Creek Buffers. The permit application was submitted on July 22nd and is considered incomplete, because it is missing floodplain compensatory storage evaluation, MNRAM for impacted wetlands on the site, wetland buffer areas and marker locations, decompaction and staging areas, and pond/infiltration BMP design details. Reviewed and provided comments on the incomplete application on August 6th.
- h. *Permit 2020-049*: 901 Carver Beach Rd – This project involves subdividing a lot to allow the existing home to remain on one lot and the construction of a new home on the second lot. The triggers RPBCWD's Erosion Prevention and Sediment Control (Rule C), Wetland and Creek Buffers (Rule D) and Stormwater Management Rule (Rule J). The permit application was submitted on August 19th and is considered incomplete because it is missing geotechnical soil borings and on site infiltration testing, a wetland delineation report and MNRAM for the wetland onsite, wetland buffer areas and marker locations, decompaction and staging areas, wetland protection analysis, and pond/infiltration BMP design details. Reviewed and provided comments on the incomplete application on August 26th.
 - i. *Permit 2020-051*: BIOLYPH Parking – This project is a 0.55-acre parking lot expansion at the BIOLYPH building in Chaska, MN. Stormwater management facilities include an underground storage system with hydrodynamic separators to provide pretreatment. Due to low infiltrating soils, volume abstraction is not being considered by the permit applicant. The permit triggers RPBCWD's Stormwater Management Rule (Rule J). The permit application was submitted on August 18th and is considered incomplete, because it is missing electronic models, decompaction areas, wetland protection analysis, and site-specific infiltration testing. Reviewed and provided comments on the incomplete application on August 25th.
 - j. Fielded miscellaneous calls from developer's engineers with questions about floodplain compensatory storage requirement, buffer criteria, shoreline stabilization requirements, and storm water management criteria.
 - k. Conducted erosion prevention and sediment control inspection on August 12-14 for permits in Hennepin County only because district staff indicated they would be inspecting all permits in Carver County this month. Provided a summary of sites with open corrective actions to Watershed Planning Manager Jeffery on August 15th. Watershed Planning Manager Jeffery plans to incorporate the information into a combined, standalone construction site inspection report. Please see the separate item
 - l. Conducted a virtual meeting on August 25th with Counsel Welch and Watershed Planning Manger Jeffery to discuss the RPBCWD's interpretation regulatory requirements for the Middle Riley Creek project.
 - m. Miscellaneous conversation with Watershed Planning Manager Jeffery about rules, shoreline fast-track maintenance permits, permit database status, financial assurances, and inspections.

Data Management/Sampling/Equipment Assistance

- a. Prepared, loaded, and verified 58 RMB laboratory (RMB) reports.
- b. Prepared field data collected with the Survey123 mobile application for the Ponds and Lakes monitoring programs.
- c. Worked with RMB to correct electronic data deliverables.
- d. Worked with Administrator Bleser to develop and implement a work scope to collect water quality data and sediment core in stormwater pond RML12.
- e. Coordinated with Administrator Bleser to supplement RPBCWD staff capacity to collect critical storm sewer and culvert data in Deephaven and Shorewood to fill in data gaps for the hydrologic and hydraulic modeling events.

Repair and Maintenance

Lake Susan spent lime filter modification

- a. Reviewed Lake Susan spent lime filter water quality data collected to date. The 10 laboratory test results indicate that the filtration system has an average phosphorus removal efficiency of 72% with a range between 35%-91%. The July 29th inlet and outlet samples were also analyzed for total dissolved phosphorus and total suspended solid which show removals of 65% and 78% respectively.

Task Order 6: WOMP Station Monitoring

Purgatory Creek Monitoring Station at Pioneer Trail

- a. Download and review data.

Purgatory Creek Monitoring Station at Valley View Rd

- a. Download and review data.
- b. Start up for 2020 storm event sampling.

Task Order 14b: Lower Riley Creek Final Design

- a. Visited the site on August 18th to review plant establishment with Landbridge (the restoration subcontractor). Barr staff reviewed the need for reseeding and additional stabilization measures that will be covered under the warranty of the contract. The contractor will be following up with reseeding and replanting efforts during September when weather conditions are favorable.

Task Order 21B: Bluff Creek Stabilization Project

- a. Reviewed request for payment #5 and worked with contractor to resolve quantity differences. It is anticipated that payment application #5 will be present for Board consideration at the October 7th meeting.

Task Order 23: Scenic Heights School Forest Restoration

- a. Oversight of management work continued through the final contracted summer of work. Invasive herbaceous species control was observed throughout the site. Spot mowing with weed whips and the careful application of herbicide was performed over the 7 acres of the site.



The open prairie area of the school forest blooms with wildflowers. Photo Courtesy: Heather Holm

Task Order 24B: Silver Lake Water Quality Improvement Project

- a. Continued developing 60% design and plan set of proposed system design, including review of City standard plates and details, site grading, and development of IESF design details.
- b. Finalize wetland delineation report for permitting.
- c. Work with City to identify and review record drawing for sanitary sewer alignments and depths within the project area.

Task Order 25: Duck Lake Water Quality Improvement Project

- a. Inspected downspout planter box installations at ten locations in the Duck Lake watershed. Three box versions were installed by two different contractors. The contractors worked directly with the home owners for box placement and landscape repair.



Downspout box installed at 16680 Honeysuckle Ln.

Downspout box installed at 6818 Boyd Dr.

- b. Began processing payment application #1 for the downspout box fabrication and installation from Landbridge Ecological.
- c. Reviewed and processed payment application #2 for the Duck Lake Rain Garden installation by Sunram Construction.

Task Order 26: Stormwater Model Update and Flood-Risk Area Prioritization Identification for the Bloomington Portion of Purgatory Creek

- a. Staff begin applying the prioritization framework to areas within Bloomington that include commercial land use. Areas with commercial land use were not well represented in the initial pilot area.
- b. This month staff used the City of Bloomington's stormwater model to develop inundation areas, identify flood-prone structures, and process supporting GIS files used for the prioritization framework. Staff started identifying flood prone areas.
- c. After completion, preliminary results will be discussed with Administrator Bleser and City of Bloomington staff to evaluate if further adjustments to the framework are recommended when also considering areas that include commercial land use.

Task Order 28A: Rice Marsh Lake Subwatershed 12a Water Quality Project

- a. No activity this month.

Task Order 29B: Middle Riley Creek (Reach R3) Stabilization Project Design

- a. Provided AutoCAD file with 60% project layout for project coordination to Bearpath on August 5, 2020.
- b. Held coordination meetings via Microsoft Teams with Bearpath and RPBCWD on August 10 and August 13, 2020. Items discussed include wetland buffers, conservation easements, project timing, and permitting/construction coordination.
- c. Provided AutoCAD figures to Nicklaus Design for coordination purposes on August 10, 2020.
- d. RPWCD staff conducted additional wetland delineation on August 11, 2020.
- e. Sent updated drawings highlighting additional wetland delineation area to Bearpath and Nicklaus Design for design coordination August 12, 2020.

To: Riley-Purgatory-Bluff Creek Watershed District Board of Managers and District Administrator
From: Barr Engineering Co.
Subject: Engineer's Report Summarizing August 2020 Activities for September 2, 2020, Board Meeting
Date: August 26, 2020
Page: 7

- f. Met Kevin Cashman at Bearpath on August 18, 2020 to identify potential conservation areas outside of the proposed stream stabilization footprint, review project access routes, and discuss project layout.

Task Order 30B: Pioneer Trail Wetland Restoration Design

- a. Development of restoration plans is on hold until field survey and wetland delineation data collected by RPBCWD staff become available.

Task Order 31A: Kerber Pond Ravine Stabilization Feasibility

- a. Further develop stabilization concepts based on conversation with City and Agency staff.
- b. Develop pollutant load reduction and planning level cost estimates for proposed concepts.
- c. Develop draft feasibility report for the Kerber Pond Ravine Stabilization project which is undergoing internal review.

Task Order 032A: Upper Riley Creek Ecological Enhancement Plan

- a. Developed preliminary ecological enhancement concepts.
- b. Led technical stakeholder meeting on August 20th to gather agency feedback on initial plan and preliminary ecological enhancement concepts.
- c. Completed report of findings for field wetland delineation work. This will be submitted to the LGU upon the District's review, concurrence, and signature.
- d. Continued work on the Ecological Enhancement Plan.

PROJECT NAME	PERMIT #	DATE INSPECTED	COMPLIANT	CORAC	DATE TO COMPLY	FOLLOW UP	COMPLIANT	NOTES
Saville West Subdivision	2015-036	8/14/2020	YES	NA	NA			
Hampton Inn Eden Prairie	2015-055	8/12/2020	YES	NA	NA			
SWLRT	2016-017	8/12/2020	YES	NA	NA			
Kopesky 2nd Addition	2017-001	8/12/2020	YES	NA	NA			
Chanhassen HS Reuse	2017-022	CLOSED						
Assembly of God	2017-023	8/13/2020	YES	NA	NA			
Prairie Bluffs Sr Living	2017-024	8/12/2020	YES	NA	NA			
735 Pleasant View Dr	2017-025	CLOSED						
Merle Residence	2017-026	8/14/2020	YES	NA	NA			
7500 Chanhassen Rd	2017-027	CLOSED						
Great Plains Trail Extension	2017-028	CLOSED						
Tweet Pediatric Dental	2017-029	8/14/2020	YES	NA	NA			Remove temporary sediment control BMPS and the site is ready for closeout
Elevate	2017-030	CLOSED						
Lion's Tap	2017-031	8/12/2020	YES	NA	NA			
Blue Stem Stream Stabilization	2017-032	CLOSED						
Lake Susan Hills	2017-033	CLOSED						
Park Road Chanhassen	2017-034	CLOSED						
9401 Kiowa Tr Sand Blanket	2017-035	CLOSED						
Page I Ice Arena Access	2017-036	CLOSED						
The Venue	2017-037	CLOSED						
West Park	2017-038	8/13/2020	YES	NA	NA			
Mission Hills Senior Living	2017-039	8/13/2020	YES	NA	NA			
Basin 0512C Cleanout	2017-040	CLOSED						
MN DOT SP 2706-221	2017-041	CLOSED						
8560 Ellet Circle	2017-042	CLOSED						
Flying Cloud Dr Trail Improvements	2017-043	8/12/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Toft Shoreline Stabilization	2017-044	CLOSED						
8526 Ellet Circle	2017-045	CLOSED						
Edenvale Trail Improvement	2017-046	CLOSED						
Fawn Hills	2017-047	CLOSED						
EP 2017 Overlay Project	2017-048	CLOSED						
8514 Ellet Circle	2017-049	CLOSED						
8516 Ellet Circle	2017-050	CLOSED						
3542 Leroy Street Home Addition	2017-051	CLOSED						
Old Excelsior Senior Living	2017-052	CLOSED						
Mntka Water Sports	2017-053	CLOSED						
4238 Heathcote Rd	2017-054	CLOSED						
Scenic Heights Elementary	2017-055	CLOSED						
Covington Rd Culvert Replacement	2017-056	CLOSED						
Eden Prairie Retaining Wall Replacement	2017-057	CLOSED						
Magellan Pipeline CR-3	2017-058	CLOSED						
17308 Bridgewater Circle	2017-059	CLOSED						
CenterPoint Energy Hwy5 Gasline	2017-060	CLOSED						
735 Pleasant View	2017-061	CLOSED						
7236 Ticonderoga Tr	2017-062	CLOSED						
Clear Springs Elementary 2018 Addition	2017-063	CLOSED						

Scenic Heights Forest Restoration	2017-064	CLOSED						
4818 Ridge Rd	2017-065	CLOSED						
691 Carver Beach Rd	2017-066	CLOSED						
Vinehill Rd	2017-067	CLOSED						
Diercks Grading	2017-068	CLOSED						
Scheels	2017-069	8/12/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
9401 Kiowa Tr	2017-070	CLOSED						
Roettger Residence	2017-071	CLOSED						
O'Reilly	2017-072	8/12/2020	YES	NA	NA			
Preserve Village	2017-073	CLOSED						
Lake St Model	2017-074	CLOSED						
Panera	2018-001	8/12/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Hansgen Pool	2018-002	CLOSED						
19475 Waterford Place	2018-003	CLOSED						
Lake Susan Park Pond	2018-004	CLOSED						
Hampton Inn	2018-005	8/14/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
16200 Pine Street	2018-006	CLOSED						
Lake Lucy Lane Drainage	2018-007	CLOSED						
Staring Lake Courts	2018-008	CLOSED						
SP 2785-418	2018-009	CLOSED						
Preserve Blvd - CenterPoint	2018-010	CLOSED						
Maloney Shoreline	2018-011	CLOSED						
ECE I, LLC	2018-012	CLOSED						
Soccer Field #11	2018-013	CLOSED						
Eden Prairie Road	2018-014	8/14/2020	YES	NA	NA			
Starbucks Coffee Shop	2018-015	CLOSED						
Avienda	2018-016	PENDING						
Eden Prairie ASC Parking Expans	2018-017	CLOSED						
Magellan Dig Site 7	2018-018	CLOSED						
Magellan Dig Site 9	2018-019	CLOSED						
9770 Sky Lane	2018-020	CLOSED						
9810 Sky Lane	2018-021	CLOSED						
Sunrise Park - Park Improvements	2018-022	CLOSED						
Westwood Park - Park Improvements	2018-023	CLOSED						
Wynsong Pool	2018-024	CLOSED						
Magellan Digs 8-12	2018-025	CLOSED						
Culvers	2018-026	CLOSED						
MAMAC Systems	2018-027	8/31/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Oak Point ES School	2018-028	8/12/2020	YES	NA	NA			
98th Street Recon	2018-029	CLOSED						
Dakota Road Recon	2018-030	CLOSED						
Ridgeview ES Mech Improvements	2018-031	CLOSED						
Valley View Rd Trail Improvements	2018-032	CLOSED						
EPHS RR Pedestrian Xing	2018-033	CLOSED						
Pond 05-11-A Dredging	2018-034	CLOSED						
7440 Chan Rd Sand Blanket	2018-035	8/14/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Horshoe Curve	2018-036	CLOSED						
EP 2018 M&O	2018-037	CLOSED						
Eden Prairie Senior Living	2018-038	8/12/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT

Emerson	2018-039	CLOSED						
Centerpoint Carver Receiver	2018-040	CLOSED						
Abra Autobody	2018-041	CLOSED						
MNDOT Pond	2018-042	CLOSED						
Control Concepts	2018-043	8/21/2020	YES	NA	NA			Requested closeout. Waiting on as-built drawings.
Smith Village	2018-044	8/14/2020	YES	NA	NA			
Cntr Pnt Energy TH5	2018-045	CLOSED						
Wobemma Pool	2018-046	CLOSED						
CSAH 61 - Peterson Borrow	2018-047	8/13/2020	YES	NA	NA			
Kampe Landscape	2018-048	CLOSED						
D'Alessandro Home	2018-049	CLOSED						
EP Cemetary	2018-050	CLOSED						
Cedarcrest Stables	2018-051	See 2019-043						
HCRRA Culvert Replacement	2018-052	CLOSED						
Robert's Gully Stabillization	2018-053	CLOSED						
Valley Pond Retaining Wall	2018-054	WITHDRAWN						
Bloomington Trail Rehab	2018-055	CLOSED						
Bluff Creek Tributary	2018-056	8/14/2020	YES	NA	NA			
CP Energy Carver ILLI	2018-057	CLOSED						
Walker Home	2018-058	8/21/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Mason Pointe Landscaping	2018-059	8/12/2020	YES	NA	NA			
Loichinger Residence	2018-060	CLOSED						
McCoy Lake Sediment Removal	2018-061	NO ACTIVITY						PERMIT EXPIRED
Lower Riley Creek Stabilization	2018-062	8/13/2020	YES	NA	NA			
Lake Susan Trail	2018-063	CLOSED						
Belaen Home	2018-064	CLOSED						
Arbit Home	2018-065	CLOSED						
Castle Ridge	2018-066	8/12/2020	YES	NA	NA			
Hennepin Cnty Library - EP	2018-067	8/13/2020	YES	NA	NA			Contacted RPBCWD about educational signage
Dristeem	2018-068	CLOSED						
CR 101 Pipeline Repair	2018-069	CLOSED						
4917 Vine Hill Rd	2018-070							
Minnetonka HS LAX fields	2018-071	CLOSED						
Hyland Park Parking Lots	2018-072	8/12/2020	YES	NA	NA			
Preserve Blvd Recon	2018-073	8/12/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Ground Storage Reservoir	2018-074	8/14/2020	YES	NA	NA			
Paul's Shoreline	2018-075	NO ACTIVITY						PERMIT EXPIRED
Arboretum Business Park 2nd Addn.	2018-00P							
The Park	2019-001	8/14/2020	YES	NA	NA			
Shelangoski Home	2019-002	8/12/2020	YES	NA	NA			Some pea rock from drive washing into Frontier Trail
Stable Path	2019-003	8/13/2020	NO	YES	8/19/2020			NO ROCK CONSTRUCTION ENTRANCE
Duck Lake Rd	2019-004	PENDING						
Singletree Lane Streetscape	2019-005	CLOSED						
2019 Mill and Overlay	2019-006	CLOSED						
Beverly Hills	2019-007	8/13/2020	YES	NA	NA			
Staring Lake Pavilion	2019-008	CLOSED						
5995 Ridge Rd Remodal	2019-009	8/13/2020	YES	NA	NA			
Chan HS Conession San Service	2019-010	CLOSED						
Westwind Plaza: Chase Bank	2019-011	CLOSED						

Costigan Storage Building	2019-012	CLOSED						
Cozine Pool	2019-013	CLOSED						
Hennepin Town Rd Turn Lane	2019-014	CLOSED						
Lake Drive East M&O	2019-015	CLOSED						
MNTKA Blvd Natural Gas Pipe	2019-016	CLOSED						
6650 Pawnee Dr	2019-017	8/13/2020	YES	NA	NA			
6657 Deerwood Dr	2019-018	8/13/2020	YES	NA	NA			
Sheldon Place Townhomes	2019-019	8/14/2020	YES	NA	NA			
3993 Hillcrest	2019-020	8/14/2020	YES	NA	NA			
2019 Misc Drainage Improvements	2019-021	CLOSED						
Woodcrest	2019-022	8/13/2020	YES	NA	NA			
Minnetonka Library Improvemen	2019-023	8/14/2020	YES	NA	NA			SITE IS READY FOR CLOSEOUT
Conifer Heights	2019-024	8/14/2020	NO	YES	8/14/2020			SILT FENCE DOWN. TRACKING IN STREETS
Homestead Cr Sump Collection	2019-025	8/13/2020	YES	NA	NA			
Ridgewood Church	2019-026	8/14/2020	YES	NA	NA			
EP M&O	2019-027	CLOSED						
LifeTime Parking Expansion	2019-028	8/13/2020	YES	NA	NA			
Sheldon Ave Storm Sewer	2019-029	NO ACTIVITY						
Koeppen Shoreline	2019-030	CLOSED						
Leddy Shoreline	2019-031	CLOSED						
Applebees Parking Lot	2019-032	8/14/2020	NO	NA	NA			Site representative requested closeout. Temporary BMPs still in place and 75% ground cover not achieved.
Spring Rd Ped Improvements	2019-033	CLOSED						
Lion's Tap	2019-034	8/14/2020	YES	NA	NA			
Lot 2, Block 1, Shadowood 3rd	2019-035	CLOSED						
Miller Pool	2019-036	CLOSED						
Maple Leaf Drive SPSC	2019-037	CLOSED						
Costco Fuel Facility Expansion	2019-038	WITHDRAWN						
Maple Leaf Drive Draitile	2019-039	CLOSED						
Homes By Legacy	2019-040	DENIED						
Englestad Pool	2019-041	CLOSED						
TH 101	2019-042	8/11/2020	YES	NA	NA			Minor items to address and were being addressed at the time of the site visit
Cedarcrest Stables	2019-043	8/13/2020	NO	YES	8/17/2020			Street tracking. Inlet protection needs maintenance
Burt/Melander	2019-044	NO ACTIVITY						
Dingman Home	2019-045	8/14/2020	YES	NA	NA			
Magnolia	2019-046	CLOSED						
Vogelsburg Demolition	2019-047	CLOSED						
EPPS-CMS Addition	2019-048	8/14/2020	YES	NA	NA			
Powers Turn Lanes	2019-049	NO ACTIVITY						
SP 8825-629	2019-050	8/14/2020	YES	NA	NA			Site is ready for closeout
Berrospid Addition	2019-051	PENDING						
5545 Kipling Ave	2019-052	8/14/2020	YES	NA	NA			
The Overlook	2020-001	NO ACTIVITY						
Lennar Drive Removal	2020-002	CLOSED						
Moments of Chanhassen	2020-003	PENDING						
Doan Home (Dove Ct)	2020-004	8/14/2020	YES	NA	NA			Site is ready for closeout.
Silver Home	2020-005	8/14/2020	NO	YES	8/20/2020			Silt fence overtopped. Prior CA was addressed.
Ditch Maintenance	2020-006	CLOSED						
TH 5 Regional Trail	2020-007	NO ACTIVITY						
Eden Ridge, LLC	2020-008	8/14/2020	NO	YES	8/17/2020	8/18/2020	NO	Addressed rock construction entrance and bare soils. Silt fence still & inlet protection needs maintenance.

ECKANKAR	2020-009	8/10/2020	YES	NA	NA				Site is ready for closeout
Ginder Home	2020-010	8/14/2020	YES	NA	NA				
Mntka HS 2020 Parking Lot EXP	2020-011	8/14/2020	YES	NA	NA				
PMP Street Maintenance	2020-012	8/12/2020	YES	NA	NA				
Hillcrest Drive	2020-013	8/14/2020	YES	NA	NA				
Johnson Shoreline	2020-014	CLOSED							
Vassallo Shoreline	2020-015	CLOSED							
2020 HSIP Project	2020-016	8/14/2020	NO ACTIVITY						
Deephaven 2020 Street Maintenance	2020-017	8/13/2020	YES	NA	NA				
Deerfield Trail	2020-018	8/13/2020	YES	NA	NA				
CR 101 Paving	2020-019	8/14/2020	NO ACTIVITY						
Lakeview Rd Pool	2020-020	8/12/2020	YES	NA	NA				
Purgatory Park Pipe Replacement	2020-021	CLOSED							
Elim Shores Trail	2020-022	8/14/2020	NO	YES	8/17/2020	8/18/2020	YES		Sediment in curb line addressed
2020 SPCS - Kimberly & Chennault	2020-023	8/14/2020	YES	NA	NA				Site is ready for closeout
2020 SPCS - Kristie Ln	2020-024	8/14/2020	YES	NA	NA				
Homestead Cr Sump Collection	2020-025	8/14/2020	YES	NA	NA				
Target ADA Ped Improvements	2020-026	8/12/2020	YES	NA	NA				
Pleasantview Rd Drainage Imp	2020-027	8/12/2020	YES	NA	NA				Site is ready for closeout
UHG Tech Drive Pipe Replacement	2020-028	8/13/2020	NO ACTIVITY						
CORTRUST Bank	2020-029	PENDING							
Vinehill and Purgatory Park	2020-030	8/14/2020	YES	NA	NA				Site is ready for closeout
Prairie Heights	2020-031	NO ACTIVITY							
Henderson Pool	2020-032	8/12/2020	NO	YES	8/19/2020				Site fence down in a few spots. Breaches not in at-risk areas.
Chan 2020 Pavement Rehab	2020-033	WITHDRAWN							
Lake Lucy Rd Rehab	2020-034	WITHDRAWN							
Honeysuckle	2020-035	8/14/2020	NO ACTIVITY						
EP 2020 PMP	2020-036	8/14/2020	YES	NA	NA				
Oster Sand Blanket	2020-037	8/18/2020	YES	NA	NA				Site is ready for closeout
Jones Shoreline	2020-038	PENDING							
Berkshire Townhomes Ret Wall	2020-039	CLOSED							LOC returned
Dooling shoreline	2020-040	8/14/2020	NO ACTIVITY						
Eliassen rip rap	2020-041	PENDING							
Brady Home - Cedarcrest	2020-042	8/14/2020	NO ACTIVITY						
GBM Realty Parking Lot	2020-043	8/14/2020	NO ACTIVITY						
Barry Home	2020-044	8/14/2020	NO ACTIVITY						
Galpin Project	2020-045	PENDING							
Tenner Pool	2020-046	8/14/2020	NO ACTIVITY						
Abdul Landscaping Project	2020-047	8/14/2020	NO ACTIVITY						
Pogge Project	2020-048	8/7/2020	YES	NA	NA				Site is ready for closeout
Metes and Bounds 901 Carver Beach Rd	2020-049	PENDING							
Parkhurst Addition	2020-050	8/14/2020	NO ACTIVITY						
Biolyph Parking Lot Addn	2020-051	PENDING							



August 14, 2020

President Dick Ward and Board of Managers
Riley-Purgatory-Bluff Creek Watershed District
18681 Lake Drive East
Chanhassen, MN 55317

**Re: Duck Lake Watershed Rain Garden Construction – Pay Application #2
Barr Project # 23/27-0053.14-025**

Dear President Ward and Board of Managers:

Enclosed is the Application for Payment #2 from Sunram Construction Company for work completed through 7/29/2020, on the above-referenced project. Upon your review and approval, please sign and return one copy to me. Barr will distribute a scan to the contractor and RPBCWD Administrator for district files.

Major items of work covered by this pay application include:

- Final grading for both raingarden sites
- Planting of two raingardens
- Sodding of lawns disrupted by construction

Barr Engineering has reviewed the application for payment, confirmed that the work for which payment is requested has been performed, believes to the best of our knowledge that the work has been performed in accordance with the terms of the contract with the Riley Purgatory Bluff Creek Watershed District, and is recommending payment in the amount of **\$8,316.26**. Payments should be made directly to Sunram Construction Company.

Please call me at 952-832-2755 if you have any questions or concerns about the application for payment, or about any other related matters.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Sobiech". The signature is fluid and cursive, written over a white background.

Scott Sobiech, P.E.
Barr Engineering Co.

c: Claire Bleser, RPBCWD
Ryan Sunram, Sunram Construction Company

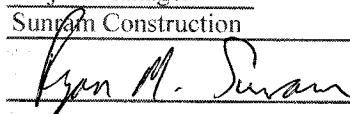
Enclosure #1 – Application for Payment – Progress Payment 2

**Duck Lake Watershed Rain Garden Construction
Progress Payment Number 2**

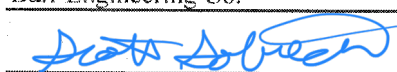
1.0	Total Completed Through This Period	<u>\$57,352.50</u>	
2.0	Total Completed Previous Period		<u>\$48,380.50</u>
3.0	Total Completed This Period		<u>\$8,972.00</u>
4.0	Amount Retained, Previous Period		<u>\$2,419.03</u>
5.0	Amount Retained, This Period (See Note 1)		<u>\$655.75</u>
6.0	Total Amount Retained		<u>\$3,074.78</u>
7.0	Retainage Released Through This Period:		<u>\$0.00</u>
8.0	Amount Due This Period		<u><u>\$8,316.26</u></u>

Note 1: At rate of 5% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter.
 Note 2: Current Contract Price \$61,495.50

SUBMITTED BY:

Name: Ryan Sunram Date: 7/29/2020
 Title: Project Manager
 Contractor: Sunram Construction
 Signature: 

RECOMMENDED BY:

Name: Scott Sobiech Date: 8/14/2020
 Title: Vice President
 Engineer: Barr Engineering Co.
 Signature: 

APPROVED BY:

Name: Dick Ward Date: _____
 Title: President
 Owner: Riley-Purgatory-Bluff Creek Watershed District
 Signature: _____

2020 Duck Lake Watershed Rain Garden Construction, Eden Prairie, MN
Riley-Purgatory-Bluff Creek Watershed District
Invoices for construction

Item	Description	Unit	Estimated Quantity	Sunram Construction, Inc.		(1) Total Completed Thru this Period 6/29/20 (BID COSTS)		(2) Total Completed this Period 7/29/20		Total Complete	
				Unit Price	Extension	Quantity	Amount	Quantity	Amount	As Built Quantity	Amount
17040 South Shore Lane Rain Garden											
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	\$3,000.50	\$3,000.50	1	\$3,000.50		\$0.00	1	\$3,000.50
B	Sawcut Bituminous Pavement	L.F.	16	\$3.00	\$48.00	16	\$48.00		\$0.00	16	\$48.00
C	Remove and Dispose of Pavement	S.F.	12	\$5.00	\$60.00	12	\$60.00		\$0.00	12	\$60.00
D	Sawcut, Remove and Dispose of Curb and Gutter	L.F.	10	\$17.00	\$170.00	10	\$170.00		\$0.00	10	\$170.00
E	Remove Sod	C.Y.	41	\$35.00	\$1,435.00	41	\$1,435.00		\$0.00	41	\$1,435.00
F	Excavate, Haul, and Dispose Materials	C.Y.	6	\$35.00	\$210.00	6	\$210.00	18.5	\$647.50	24.5	\$857.50
G	Grading	L.S.	1	\$2,900.00	\$2,900.00	1	\$2,900.00		\$0.00	1	\$2,900.00
H	Soil Loosening	S.Y.	40	\$1.00	\$40.00	40	\$40.00		\$0.00	40	\$40.00
I	Clean Sand	C.Y.	4.5	\$215.00	\$967.50	5	\$1,075.00	-0.5	-\$107.50	4.5	\$967.50
J	Planting Soil (12" depth- 75% Sand, 25% Leaf compost- MnDOT Grade II)	C.Y.	14	\$63.00	\$882.00	13.4	\$844.20	0.6	\$37.80	14	\$882.00
K	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	4	\$80.00	\$320.00		\$0.00	4	\$320.00	4	\$320.00
M	Bituminous Pavement Patch	L.S.	1	\$2,000.00	\$2,000.00	1	\$2,000.00		\$0.00	1	\$2,000.00
N	Transition Curb & Gutter	L.F.	10	\$190.00	\$1,900.00	10	\$1,900.00		\$0.00	10	\$1,900.00
O	Splash Block Assembly	L.S.	1	\$920.00	\$920.00	1	\$920.00		\$0.00	1	\$920.00
Q	Neenah Curb Opening R-3262-4	Each	1	\$650.00	\$650.00	1	\$650.00		\$0.00	1	\$650.00
R	4" Perforated (CPEP) DrainTile w/o sock (Underdrain)	L.F.	20	\$23.00	\$460.00	20	\$460.00		\$0.00	20	\$460.00
S	4" PVC SCH 40 Pipe	L.F.	19	\$26.00	\$494.00	20	\$520.00		\$0.00	20	\$520.00
T	DrainTile Cleanout	Each	1	\$550.00	\$550.00	1	\$550.00		\$0.00	1	\$550.00
U	Connect DrainTile to Catch Basin	Each	1	\$1,200.00	\$1,200.00	1	\$1,200.00		\$0.00	1	\$1,200.00
V	4" Black Powder Coated Steel Landscape Edging	L.F.	79	\$12.00	\$948.00		\$0.00	80	\$960.00	80	\$960.00
W	Sod (Furnish and Install)	S.Y.	22	\$15.00	\$330.00		\$0.00	22	\$330.00	22	\$330.00
X	#1 Container Perennial (Furnish and Install)	Each	99	\$19.00	\$1,881.00		\$0.00	94	\$1,786.00	94	\$1,786.00
Y	Inlet Protection	Each	2	\$150.00	\$300.00	2	\$300.00		\$0.00	2	\$300.00
Z	Establishment Activities	Each	2	\$1,000.00	\$2,000.00		\$0.00	0	\$0.00	0	\$0.00
SUBTOTAL					\$23,666.00		\$18,282.70		\$3,973.80		\$22,256.50
17309 Duck Lake Trail Rain Garden and Permeable Paver Driveway Section											
A	Mobilization/Demobilization/Traffic Control/Erosion Control	L.S.	1	4,500.50	4,500.50	1	\$4,500.50		\$0.00	1	\$4,500.50
B	Sawcut Bituminous Pavement	L.F.	18	3.00	54.00	18	\$54.00		\$0.00	18	\$54.00
C	Remove and Dispose of Pavement	S.F.	511	1.50	766.50	425	\$637.50	86	\$129.00	511	\$766.50
E	Remove Sod	S.Y.	41	35.00	1,435.00	41	\$1,435.00		\$0.00	41	\$1,435.00
F	Excavate, Haul, and Dispose	C.Y.	11	35.00	385.00	10	\$350.00	26	\$910.00	36	\$1,260.00
G	Grading	L.S.	1	2,900.00	2,900.00	1	\$2,900.00		\$0.00	1	\$2,900.00
H	Soil Loosening	S.Y.	40	1.00	40.00	40	\$40.00		\$0.00	40	\$40.00
J	Planting Soil (12" depth- 75% Sand, 25% Leaf compost- MnDOT Grade II)	C.Y.	14	63.00	882.00	12.6	\$793.80	1.4	\$88.20	14	\$882.00
K	Twice-Shredded Hardwood Mulch (3" depth)	C.Y.	4	80.00	320.00		\$0.00	3	\$240.00	3	\$240.00
L	Permeable Pavers with Bedding Course and Joint Filler	S.F.	425	40.00	17,000.00	425	\$17,000.00		\$0.00	425	\$17,000.00
O	Splash Block Assembly	L.S.	1	920.00	920.00	1	\$920.00		\$0.00	1	\$920.00
P	Splash Block Assembly (small)	L.S.	1	525.00	525.00	1	\$525.00		\$0.00	1	\$525.00
R	4" Perforated (CPEP) DrainTile w/o sock (Underdrain)	L.F.	20	23.00	460.00	20	\$460.00		\$0.00	20	\$460.00
S	4" PVC SCH 40 Pipe	L.F.	10	26.00	260.00	7	\$182.00	3	\$78.00	10	\$260.00
V	4" Black Powder Coated Steel Landscape Edging	L.F.	74	12.00	888.00		\$0.00	83	\$996.00	83	\$996.00
W	Sod (Furnish and Install)	S.Y.	59	15.00	885.00		\$0.00	59	\$885.00	59	\$885.00
X	#1 Container Perennial (Furnish and Install)	Each	94	19.00	1,786.00		\$0.00	88	\$1,672.00	88	\$1,672.00
Y	Inlet Protection	Each	2	150.00	300.00	2	\$300.00		\$0.00	2	\$300.00
Z	Establishment Activities	Each	2	1,000.00	2,000.00		\$0.00	0	\$0.00	0	\$0.00
SUBTOTAL					36,307.00		\$30,097.80		\$4,998.20		\$35,096.00
PROJECT TOTAL FOR TWO (2) SITES					59,973.00		\$48,380.50		\$8,972.00		\$57,352.50
REVISED CONTRACT PRICE PER CO#2					61,495.50						

DUCK LAKE WATERSHED RAIN GARDENS
RILEY PURGATORY BLUFF CREEK WATERSHED

Line Item	Unit	Bid Qty	Unit Price	Total Bid	7/14/2020		7/29/2020		Total Complete
					Quantity Pay 1	Quantity Pay 2	Quantity Pay 3	Quantity Pay 4	
<u>17040 SOUTH SHORE LANE RAIN GARDEN</u>									
MOBILIZATION	LS	1	\$3,000.50	\$ 3,000.50	1				\$3,000.50
SAWCUT BITUMINOUS PAVEMENT	LF	16	\$3.00	\$ 48.00	16				\$48.00
REMOVE & DISPOSE OF PAVEMENT	SF	12	\$5.00	\$ 60.00	12				\$60.00
SAWCUT, REMOVE & DISPOSE OF CURB & GUTTER	LF	10	\$17.00	\$ 170.00	10				\$170.00
REMOVE SOD	CY	41	\$35.00	\$ 1,435.00	41				\$1,435.00
EXCAVATE, HAUL & DISPOSE MATERIALS	CY	6	\$35.00	\$ 210.00	6	37			\$1,505.00 2x13 Loads+Plaisted 17=43 cy
GRADING	LS	1	\$2,900.00	\$ 2,900.00	1				\$2,900.00
SOIL LOOSENING	SY	40	\$1.00	\$ 40.00	40				\$40.00
CLEAN SAND	CY	4.5	\$215.00	\$ 967.50	5	2.1			\$1,526.50 10 TONS /1.4 = 7.1 Plaisted
PLANTING SOIL	CY	14	\$63.00	\$ 882.00	13.4	2.73			\$1,016.19 16.13 Plaisted
TWICE SHREDDED HARDWOOD MULCH	CY	4	\$80.00	\$ 320.00		4			\$320.00 Hoffman
BITUMINOUS PAVEMENT PATCH	LS	1	\$2,000.00	\$ 2,000.00	1				\$2,000.00
TRANSITION CURB & GUTTER	LF	10	\$190.00	\$ 1,900.00	10				\$1,900.00
SPLASH BLOCK ASSEMBLY	LS	1	\$920.00	\$ 920.00	1				\$920.00
NEENAH CURB OPENING R-3262-4	EA	1	\$650.00	\$ 650.00	1				\$650.00
4" PERFORATED CPEP DRAINTILE W/O SOCK	LF	20	\$23.00	\$ 460.00	20				\$460.00
4" PVC SCH 40 PIPE	LF	19	\$26.00	\$ 494.00	20				\$520.00
DRAIN TILE CLEAN OUT	EA	1	\$550.00	\$ 550.00	1				\$550.00
CONNECT DRAIN TILE TO CATCH BASIN	EA	1	\$1,200.00	\$ 1,200.00	1				\$1,200.00
4" BLACK POWDER COATED STEEL EDGING	LF	79	\$12.00	\$ 948.00		80			\$960.00 Hoffman
F&I SOD	SY	22	\$15.00	\$ 330.00		22			\$330.00
F&i #1 CONTAINER PERENNIAL	EA	99	\$19.00	\$ 1,881.00		94			\$1,786.00 Hoffman 94
INLET PROTECTION	EA	2	\$150.00	\$ 300.00	2				\$300.00
ESTABLISHMENT ACTIVITIES	EA	2	\$1,000.00	\$ 2,000.00		2			\$2,000.00 Hoffman
<u>17309 DUCK LAKE TRAIL RAIN GARDEN</u>									
MOBILIZATION	LS	1	\$4,500.50	\$ 4,500.50	1				\$4,500.50
SAWCUT BITUMINOUS PAVEMENT	LF	18	\$3.00	\$ 54.00	18				\$54.00
REMOVE & DISPOSE OF PAVEMENT	SF	511	\$1.50	\$ 766.50	425	86			\$766.50
REMOVE SOD	SY	41	\$35.00	\$ 1,435.00	41				\$1,435.00
EXCAVATE, HAUL & DISPOSE MATERIALS	CY	11	\$35.00	\$ 385.00	10	29			\$1,365.00 3x13 Loads
GRADING	LS	1	\$2,900.00	\$ 2,900.00	1				\$2,900.00
SOIL LOOSENING	SY	40	\$1.00	\$ 40.00	40				\$40.00
PLANTING SOIL	CY	14	\$63.00	\$ 882.00	12.6	2.72			\$965.16 15.32 Plaisted
TWICE SHREDDED HARDWOOD MULCH	CY	4	\$80.00	\$ 320.00		3			\$240.00 Hoffman 3
PERMEABLE PAVERS W/BEDDING COURSE/FILLER	SF	425	\$40.00	\$ 17,000.00	425				\$17,000.00
SPLASH BLOCK ASSEMBLY	LS	1	\$920.00	\$ 920.00	1				\$920.00
SPLASH BLOCK ASSEMBLY (SMALL)	LS	1	\$525.00	\$ 525.00	1				\$525.00
4" PERFORATED CPEP DRAINTILE W/O SOCK	LF	20	\$23.00	\$ 460.00	20				\$460.00
4" PVC SCH 40 PIPE	LF	10	\$26.00	\$ 260.00	7	3			\$260.00
4" BLACK POWDER COATED STEEL EDGING	LF	74	\$12.00	\$ 888.00		83			\$996.00 Hoffman
F&I SOD	SY	59	\$15.00	\$ 885.00		59			\$885.00
F&i #1 CONTAINER PERENNIAL	EA	94	\$19.00	\$ 1,786.00		88			\$1,672.00 Hoffman 88
INLET PROTECTION	EA	2	\$150.00	\$ 300.00	2				\$300.00
ESTABLISHMENT ACTIVITIES	EA	2	\$1,000.00	\$ 2,000.00		2			\$2,000.00 Hoffman
			\$ -	\$ -					\$0.00
			\$ -	\$ -					\$0.00
			\$ -	\$ -					\$0.00
			\$ -	\$ -					\$0.00
			<u>\$59,973.00</u>						<u>\$62,881.35</u>

Pay App 1 \$48,380.50

Pay App 2 \$14,500.85



August 17, 2020

President Dick Ward and Board of Managers
Riley-Purgatory-Bluff Creek Watershed District
14500 Martin Drive Suite 1500
Eden Prairie, MN 55344

**Re: Scenic Heights Elementary School Forest Restoration Project – Pay Application #9
Barr Project # 23/27-0053.14-023**

Dear President Ward and Board of Managers:

Enclosed is the Application for Payment #9 from Landbridge Ecological for work completed in June and July of 2020, on the above-referenced project. Upon your review and approval, please sign three copies and return one copy to me, one copy to the contractor and retain the remaining copy for your files.

Major items of work covered by this pay application include two site management visits including spot mowing and herbicide applications to control garlic mustard and reed canary grass. Barr staff has visited with management crews on-site and have reviewed conditions before and after management treatments have taken place. Other weeds of concern being managed include motherwort, burdock, yellow sweet clover, poison ivy, and Canadian thistle. A critical overspray of the remaining buckthorn and honeysuckle re-sprouts is set for this fall after other deciduous plants have dropped their leaves. Attached to this pay application you will find the management reports provided by the Contractor.

Barr Engineering has reviewed the application for payment, confirmed that the work for which payment is requested has been performed, believes to the best of our knowledge that the work has been performed in accordance with the terms of the contract with the Riley Purgatory Bluff Creek Watershed District, and is recommending payment in the amount of **\$5,000.00**. Payments shall be made directly to Landbridge Ecological at 670 Vandalia Street, St. Paul, MN 55114.

Please call me at 952-832-2649 if you have any questions or concerns about the application for payment, or about any other related matters.

Sincerely,

A handwritten signature in black ink, appearing to read "Matt Kumka". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Matt Kumka, PLA
Barr Engineering Co.

c: Claire Bleser, RPBCWD
Elissa Thompson, Landbridge Ecological

Enclosure #1 – Application for Payment – Progress Payment 9
Enclosure #2 - Management Visit Reports


**Scenic Heights School Forest Restoration Project
Progress Payment Number 9**

1.0	Total Completed Through This Period	<u>\$170,022.50</u>		
2.0	Total Completed Previous Period		<u>\$5,000.00</u>	
3.0	Total Completed This Period			<u>\$5,000.00</u>
4.0	Amount Retained, Previous Period		<u>\$4,980.62</u>	
5.0	Amount Retained, This Period (See Note 1)		<u>\$0.00</u>	
6.0	Total Amount Retained		<u>\$4,980.62</u>	
7.0	Retainage Released Through This Period:			<u>\$0.00</u>
8.0	Amount Due This Period			<u><u>\$5,000.00</u></u>


Note 1: At rate of 5% until Completed to Date equals 50% of current Contract Price and a rate of 0% thereafter.

Note 2: Current Contract Price \$199,225.00

SUBMITTED BY:

Name: Elissa Thompson Date: 8/17/2020
 Title: Project Manager
 Contractor: Landbridge Ecological
 Signature: 

RECOMMENDED BY:

Name: Matt Kumka Date: 8/13/2020
 Title: Project Manager
 Engineer: Barr Engineering Co.
 Signature: 

APPROVED BY:

Name: Dick Ward Date: _____
 Title: President
 Owner: Riley-Purgatory-Bluff Creek Watershed District
 Signature: _____

Scenic Heights School Forest Restoration Project
 Riley Purgatory Bluff Creek Watershed District
 Summary of Work Completed through July 30, 2020 for Progress Payment Number 9 (INVOICE #4140)

Item	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	BID - LANDBRIDGE ECOL		(1) Total Completed Through This Period		(2) Total Completed Through This Period		(3) Total Completed Through This Period		(4) Total Completed Through This Period		(5) Total Completed Through This Period		(6) Total Completed Through This Period		(7) Total Completed Through This Period		(8) Total Completed Through This Period		(9) Total Completed Through This Period	
				UNIT COST	EXTENSION	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount
1.06 A	Mobilization/Demobilization	L.S.	1	\$15,500.00	\$15,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$15,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 B	Erosion Control Construction Entrance	Each	1	\$2,500.00	\$2,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 C	Desirable Plant Marking for Protection	L.S.	1	\$1,750.00	\$1,750.00	1	\$1,750.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 D	Clear and Grub Woody Invasive Plant Removal (Trees under 8')	AC	7	\$4,500.00	\$31,500.00	6	\$27,000.00	1	\$4,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 F	Clear and Grub Woody Invasive Plant Removal (Trees over 8')	Each	40	\$450.00	\$18,000.00	33	\$14,850.00	7	\$3,150.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 H	Remove and Dispose of Adopt-A-Plots Signs	Each	30	\$85.00	\$2,550.00	30	\$2,550.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 I	Heavy Duty Silt Fence	L.F.	85	\$15.50	\$1,317.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 J	Erosion Control Blanket	S.Y.	125	\$5.50	\$687.50	0	\$0.00	125	\$687.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 K	Remove and Salvage Topsoil (P)	C.Y.	80	\$45.00	\$3,600.00	0	\$0.00	80	\$3,600.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 L	Grading	L.S.	1	\$5,900.00	\$5,900.00	0	\$0.00	1	\$5,900.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 M	Rock Riffle	Each	3	\$3,500.00	\$10,500.00	0	\$0.00	3	\$10,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 N	Woodland Seed Mix with Cover Crop (Custom Mix)	AC	4.7	\$2,200.00	\$10,340.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	4.7	\$10,340.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 O	Prairie Seed Mix with Cover Crop (MnDOT 35-221)	AC	1.3	\$1,950.00	\$2,535.00	0	\$0.00	0	\$0.00	0	\$0.00	1.3	\$2,535.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 P	Woodland Edge Seed Mix with Cover Crop (MnDOT 36-711)	AC	1.2	\$1,850.00	\$2,220.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1.2	\$2,220.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 Q	Wet Meadow Seed Mix with Cover Crop (MnDOT 34-261)	AC	0.5	\$3,500.00	\$1,750.00	0	\$0.00	0.3	\$1,050.00	0	\$0.00	0	\$0.00	0.2	\$700.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 R	Live Stake (Furnish and Install)	Each	148	\$15.50	\$2,294.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	148	\$2,294.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 S	#10 Cont. Tree (Furnish and Install)	Each	30	\$350.00	\$10,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	30	\$10,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 T	Shrub, Bare Root (Furnish and Install)	Each	182	\$25.50	\$4,641.00	0	\$0.00	101	\$2,575.50	0	\$0.00	0	\$0.00	81	\$2,065.50	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 U	Herbaceous Plug (Furnish, Install by others)	Each	2520	\$1.50	\$3,780.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2520	\$3,780.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 U	Straw Mulch	AC	7.7	\$1,550.00	\$11,935.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$1,550.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 V	Shredded Hardwood Mulch	C.Y.	45	\$65.00	\$2,925.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	45	\$2,925.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 W	Herbaceous Management Site Visit 2018	Each	7	\$2,500.00	\$17,500.00	0	\$0.00	3	\$7,500.00	3	\$7,500.00	1	\$2,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
1.06 X	Herbaceous Management Site Visit 2019	Each	7	\$2,500.00	\$17,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	1	\$2,500.00	1	\$2,500.00	2	\$5,000.00	0	\$0.00	0	\$0.00
1.06 Y	Herbaceous Management Site Visit 2020	Each	7	\$2,500.00	\$17,500.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	2	\$5,000.00	2	\$5,000.00
CONSTRUCTION SUBTOTAL					\$199,225.00		\$46,150.00		\$39,463.00		\$7,500.00		\$6,585.00		\$52,824.50		\$2,500.00		\$5,000.00		\$5,000.00		\$5,000.00



INVOICE # 4140

670 Vandalia Street | Saint Paul, MN 55114
612.503.4420 | www.landbridge.eco | info@landbridge.eco

BILL TO Riley Purgatory Bluff Creek WD
18681 Lake Dr. E.
Chanhassen, MN 55317

PROJECT 17-054 Scenic Heights Restoration
DATE 7/30/20
TERMS Net 30

DESCRIPTION	QTY	RATE	AMOUNT
Herbaceous Management Site Visit 2020 (EA)	2	2,500.00	5,000.00

TOTAL \$5,000.00

PAYMENTS / CREDITS \$0.00

BALANCE DUE \$5,000.00

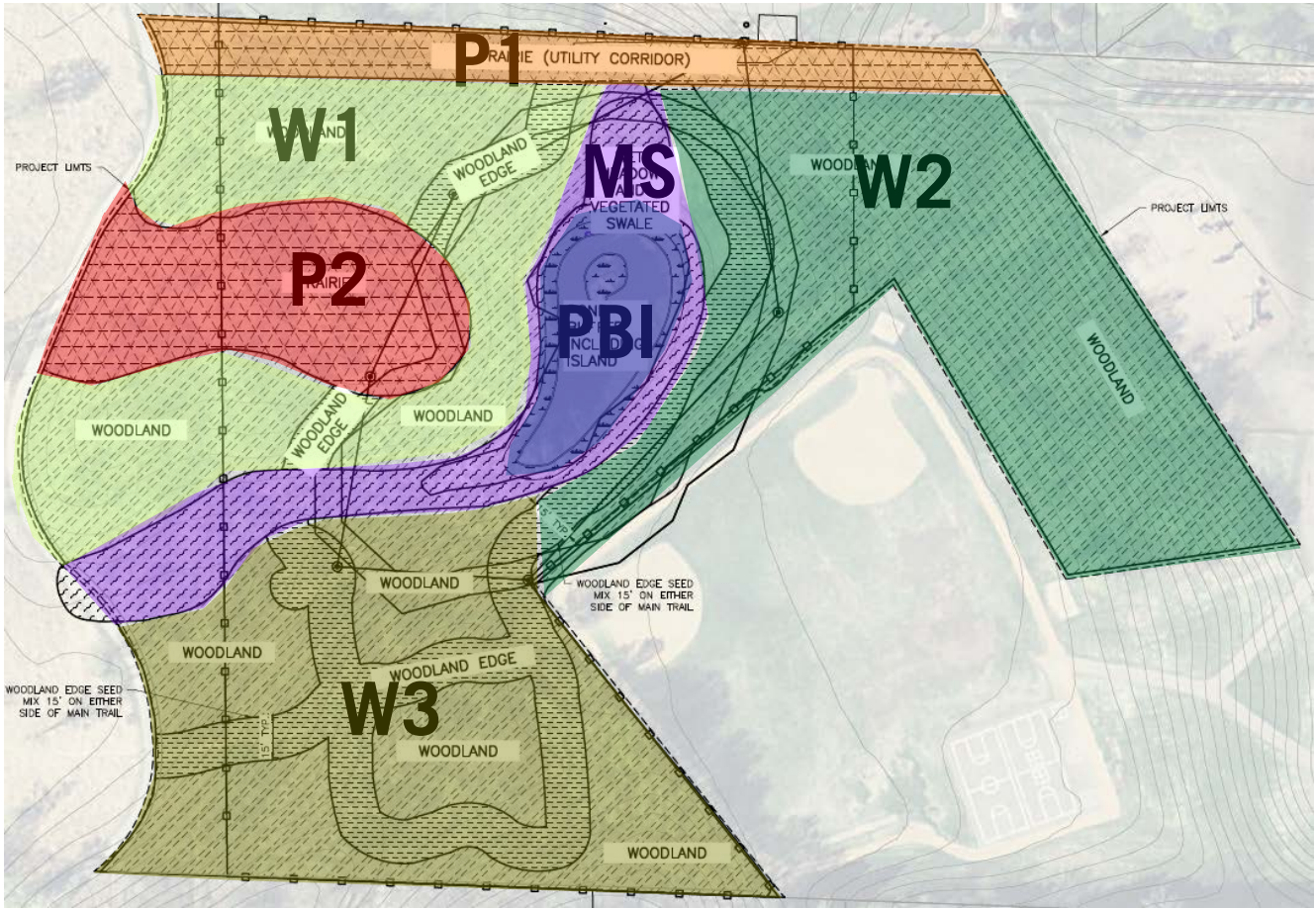
SCENIC HEIGHTS ELEMENTARY FOREST RESTORATION MANAGEMENT REPORT

5650 Scenic Heights Dr, Minnetonka, MN 55345

Date: 6/30/2020

Report Prepared by: Jen Merth

Maintenance Task(s) Performed:	Date: 6/12/20 Task Description: 1) Spot mowed flowering invasives throughout entire site. 2) Cut/stump treated honeysuckle in prairie.	Date: Task Description:	Date: Task Description:	Date: Task Description:
Equipment Used:	Brush cutters			
Herbicide(s)Used/Quantity:	N/A			
Species Managed:	leafy spurge, reed canary grass, smooth brome, hoary alyssum, sweet clover, curly dock, lambs quarter, tartarian honeysuckle			



RESTORATION AND PLANTING AREAS

- WOODLAND 1 (W1)
- WOODLAND 2 (W2)
- WOODLAND 3 (W3)
- PRAIRIE 1 (P1)
- PRAIRIE 2 (P2)
- MEADOW AND SWALE (MS)
- POND BUFFER AND ISLAND (PBI)

AREAS MANAGED:

<p>Date: 6/12/20</p> <p>Area Description: (ex. south half of W1, all of P2): Spot mow full site, cut/treat in P2</p> <p>Notes: Should follow-up with a spot spray in approximately 4 weeks.</p>	<p>Date:</p> <p>Area Description:</p> <p>Notes:</p>	<p>Date:</p> <p>Area Description:</p> <p>Notes:</p>	<p>Date:</p> <p>Area Description:</p> <p>Notes:</p>
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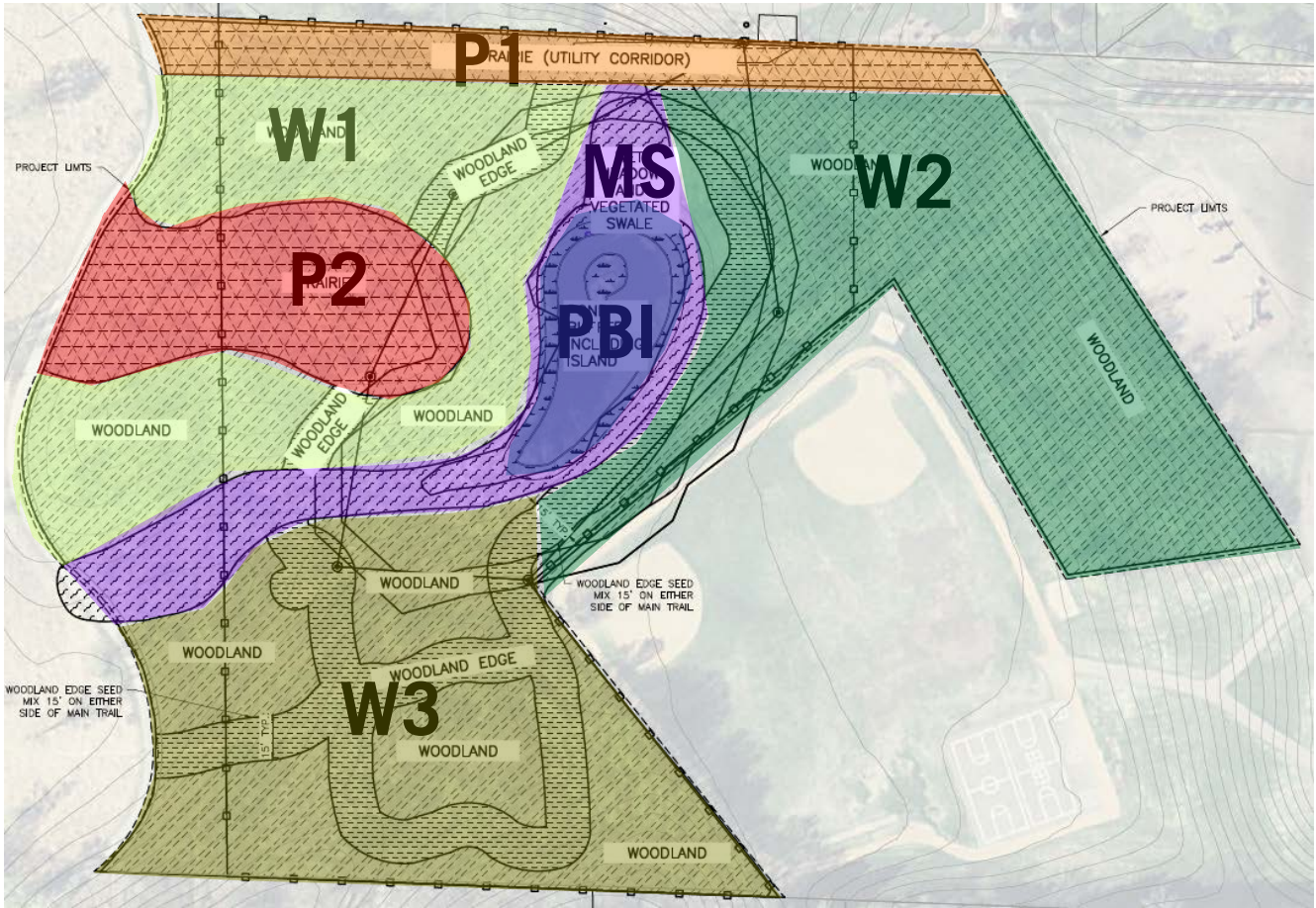
SCENIC HEIGHTS ELEMENTARY FOREST RESTORATION MANAGEMENT REPORT

5650 Scenic Heights Dr, Minnetonka, MN 55345

Date: 7/29/20

Report Prepared by: Jen Merth

Maintenance Task(s) Performed:	Date: 7/02/20 Task Description: 1) Spot mowed all invasives throughout prairie and woodland areas. Entire site was managed.	Date: Task Description:	Date: Task Description:	Date: Task Description:
Equipment Used:	Brush cutters			
Herbicide(s)Used/Quantity:	N/A			
Species Managed:	reed canary grass, bull thistle, canada thistle, sweet clover			



RESTORATION AND PLANTING AREAS

- WOODLAND 1 (W1)
- WOODLAND 2 (W2)
- WOODLAND 3 (W3)
- PRAIRIE 1 (P1)
- PRAIRIE 2 (P2)
- MEADOW AND SWALE (MS)
- POND BUFFER AND ISLAND (PBI)

AREAS MANAGED:

<p>Date: 7/02/20</p> <p>Area Description: (ex. south half of W1, all of P2): Entire site. Most invasives found in P1, MS, and W1 areas.</p> <p>Notes: Spot spraying was not performed due to adverse weather conditions. Recommend spraying and critical period cutting buckthorn in 4 weeks time.</p>	<p>Date:</p> <p>Area Description:</p> <p>Notes:</p>	<p>Date:</p> <p>Area Description:</p> <p>Notes:</p>	<p>Date:</p> <p>Area Description:</p> <p>Notes:</p>
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August 27, 2020

Claire Bleser
District Administrator
Riley Purgatory Bluff Creek Watershed District
18681 Lake Drive E.
Chanhassen, Minnesota 55317

Dear Claire:

Enclosed please find the checks and Treasurer's Report for Riley Purgatory Bluff Creek Watershed District for the one month and seven months ending July 31, 2020.

Please examine these statements and if you have any questions or need additional copies, please call me.

Sincerely,

REDPATH AND COMPANY, LTD.

A handwritten signature in black ink, appearing to read "Mark Gibbs", is written over a small red dot.

Mark C. Gibbs, CPA
Enclosure



To The Board of Managers
Riley Purgatory Bluff Creek Watershed District
Chanhassen, Minnesota

Accountant's Opinion

The Riley Purgatory Bluff Creek Watershed District is responsible for the accompanying July 31, 2020 Treasurer's Report in the prescribed form. We have performed a compilation engagement in accordance with the Statements on Standards for Accounting and Review promulgated by the Accounting and Review Services Committee of AICPA. We did not audit or review the Treasurer's Report nor were we required to perform any procedures to verify the accuracy or completeness of the information provided by the Riley Purgatory Bluff Creek Watershed District. Accordingly, we do not express an opinion, a conclusion, nor provide any form of assurance on the Treasurer's Report.

Reporting Process

The Treasurer's Report is presented in a prescribed form mandated by the Board of Managers and is not intended to be a presentation in accordance with accounting principles generally accepted in the United States of America. The reason the Board of Managers mandates a prescribed form instead of GAAP (Generally Accepted Accounting Principles) is this format gives the Board of Managers the financial information they need to make informed decisions as to the finances of the watershed.

GAAP basis reports would require certain reporting formats, adjustments to accrual basis and supplementary schedules to give the Board of Managers information they need, making GAAP reporting on a monthly basis extremely cost prohibitive. An independent auditing firm is retained each year to perform a full audit and issue an audited GAAP basis report. This annual report is submitted to the Minnesota State Auditor, as required by Statute, and to the Board of Water and Soil Resources.

The Treasurer's Report is presented on a modified accrual basis of accounting. Expenditures are accounted for when incurred. For example, payments listed on the Cash Disbursements report are included as expenses in the Treasurer's Report even though the actual payment is made subsequently. Revenues are accounted for on a cash basis and only reflected in the month received.

REDPATH AND COMPANY, LTD.

A handwritten signature in black ink that reads "Redpath and Company, Ltd." in a cursive script.

St. Paul, Minnesota
August 27, 2020

RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT

Treasurers Report

July 31, 2020

REPORT INDEX

<u>Page #</u>	<u>Report Name</u>
1	Cash Disbursements
2	Fund Performance Analysis – Table 1
3	Multi-Year Project Performance Analysis – Table 2
4	Balance Sheet
5	VISA Activity

RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT
Cash Disbursements
July 31, 2020

Accounts Payable:

<u>Check #</u>	<u>Payee</u>	<u>Amount</u>
5298	Barr Engineering	67,024.30
5299	William & Patricia Beierwaltes	5,000.00
5300	B9 Polar Waters, LLC	73.99
5301	Sharon Byrne	2,849.25
5302	CenturyLink	494.02
5303	City of Chanhassen	31.26
5304	Coverall of the Twin Cities	316.76
5305	Dunn & Semington, LLC	1,689.57
5306	Fe Security, LLC	439.21
5307	Hach Company	990.16
5308	HealthPartners	4,760.09
5309	Amy Herbert, LLC	540.00
5310	Olivia R. Holstine	687.03
5311	Betsy & Phillip Hsiao	883.80
5312	Iron Mountain	129.95
5313	ISG - Accounts Receivable	1,545.25
5314	Larry Koch	346.32
5315	Landbridge Ecological Services	5,000.00
5316	Metro Sales, Inc.	620.33
5317	Jack & Rick Neville	1,551.00
5318	Office of the Secretary of State	240.00
5319	Dorothy Pedersen	2,087.19
5320	Principal Life Insurance Company	404.01
5321	Redpath & Company	3,509.76
5322	RMB Environmental Laboratories, Inc.	3,469.00
5323	RMB Environmental Laboratories, Inc.	648.00
5324	RMB Environmental Laboratories, Inc.	2,618.00
5325	Smith Partners	11,606.15
5326	Southwest Metro Chamber of Commerce	100.00
5327	SRF Consulting Group, Inc.	4,042.63
5328	Sunram Construction, Inc.	8,316.26
5329	University of Minnesota Foundation	10,000.00
5330	Wenck, Inc.	13,520.50
5331	Paul Worwa	3,742.50
5332	Xcel Energy	1,372.51
Total Accounts Payable:		<u><u>\$160,648.80</u></u>

Payroll Disbursements:

Payroll Processing Fee	220.70
Employee Salaries	44,513.50
Employer Payroll Taxes	4,472.36
Employer Benefits (H.S.A. Match)	466.66
Employee Benefit Deductions	(494.40)
Staff Expense Reimbursements	657.13
PERA Match	2,870.80
Total Payroll Disbursements:	<u><u>\$52,706.75</u></u>

VISA - 7/13/20	5,841.73
VISA - 7/14/20	5,841.73

TOTAL DISBURSEMENTS: **\$225,039.01**

Memos

The 2020 mileage rate is .575 per mile. The 2019 rate was .58
Old National VISA will be paid on-line.

RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT
Fund Performance Analysis - Table 1
July 31, 2020

	2020 Budget	Fund Transfers	Revised 2020 Budget	Current Month	Year-to-Date	Year-to Date Percent of Budget
REVENUES						
Plan Implementation Levy	\$3,703,000.00	-	\$3,703,000.00	1,916,340.82	1,916,340.82	51.75%
Permit	25,000.00	-	25,000.00	6,500.00	40,424.00	161.70%
Grant Income	346,719.00	-	346,719.00	-	72,450.00	20.90%
Investment Income	75,000.00	-	75,000.00	2,038.87	48,172.97	64.23%
Past Levies	3,699,097.00	-	3,699,097.00	-	-	0.00%
Miscellaneous Income	0.00	-	0.00	-	3,488.84	---
Reimbursements	0.00	-	0.00	-	119,179.05	---
Partner Funds	612,698.00	-	612,698.00	-	-	0.00%
TOTAL REVENUE	\$8,461,514.00	-	\$8,461,514.00	\$1,924,879.69	\$2,200,055.68	26.00%
EXPENDITURES						
Administration						
Accounting and Audit	\$42,000.00	-	\$42,000.00	\$3,730.46	37,942.06	90.34%
Advisory Committees	5,000.00	-	5,000.00	-	137.48	2.75%
Insurance and bonds	20,000.00	-	20,000.00	-	-	0.00%
Engineering Services	109,000.00	-	109,000.00	6,432.00	57,407.69	52.67%
Legal Services	84,000.00	-	84,000.00	5,964.02	61,142.17	72.79%
Manager Per Diem/Expense	20,000.00	-	20,000.00	3,024.01	10,369.76	51.85%
Dues and Publications	14,000.00	-	14,000.00	120.00	9,120.00	65.14%
Office Cost	150,000.00	-	150,000.00	8,804.82	100,014.91	66.68%
Permit Review and Inspection	135,000.00	-	135,000.00	15,677.88	113,883.25	84.36%
Permit and Grant Database	39,900.00	-	39,900.00	-	-	0.00%
Professional Services	-	-	-	-	4,484.50	---
Recording Services	17,000.00	-	17,000.00	540.00	6,834.48	40.20%
Staff Cost	600,000.00	-	600,000.00	43,246.32	293,004.86	48.83%
Subtotal	\$1,235,900.00	-	\$1,235,900.00	\$87,539.51	\$694,341.16	56.18%
Programs and Projects						
District Wide						
10-year Management Plan	\$5,000.00	-	\$5,000.00	1,164.98	11,029.72	220.59%
AIS Inspection and early response	85,000.00	-	85,000.00	1,600.96	2,783.52	3.27%
Cost-share	398,723.00	-	398,723.00	16,063.33	48,137.06	12.07%
Data Collection and Monitoring	192,000.00	-	192,000.00	30,008.66	97,333.95	50.69%
Community Resiliency	63,130.00	-	63,130.00	2,734.50	5,807.00	9.20%
Education and Outreach	123,000.00	-	123,000.00	13,095.65	63,159.98	51.35%
Plant Restoration - U of M	58,762.00	-	58,762.00	-	13,534.43	23.03%
Repair and Maintenance Fund *	267,730.00	-	267,730.00	34.00	54,459.58	20.34%
Wetland Management*	165,685.00	-	165,685.00	843.03	14,207.56	8.58%
Groundwater Conservation*	179,750.00	-	179,750.00	120.00	120.00	0.07%
Lake Vegetation Implementation	125,937.00	-	125,937.00	2,672.50	33,526.58	26.62%
Opportunity Project*	287,501.00	-	287,501.00	1,545.25	13,666.29	4.75%
Stormwater Ponds - U of M	79,985.00	-	79,985.00	-	31,829.96	39.79%
Hennepin County Chloride Initiative	114,830.00	-	114,830.00	-	21,859.46	19.04%
Lower Minnesota Chloride Cost-Share	217,209.00	-	217,209.00	-	-	0.00%
Subtotal	\$2,364,242.00	-	\$2,364,242.00	\$69,882.86	\$411,455.09	17.40%
Bluff Creek						
Bluff Creek Tributary*	65,037.00	-	65,037.00	1,578.00	14,804.65	22.76%
Wetland Restoration at Pioneer	308,674.00	-	308,674.00	470.83	30,835.32	9.99%
Subtotal	\$373,711.00	-	\$373,711.00	\$2,048.83	\$45,639.97	12.21%
Riley Creek						
Lake Riley - Alum Treatment*	305,000.00	-	305,000.00	-	255,654.74	83.82%
Rice Marsh Lake in-lake phosphorus load	60,568.00	-	60,568.00	2,020.08	14,307.26	23.62%
Rice Marsh Lake Water Quality Improvement Phase 1	300,000.00	-	300,000.00	2,515.00	15,742.50	5.25%
Riley Creek Restoration (Reach E and D3)	1,773,623.00	-	1,773,623.00	1,539.50	1,936,098.31	109.16%
Lake Riley & Rice Marsh Lake Subwatershed Assessment	29,961.00	-	29,961.00	2,636.00	28,739.97	95.92%
Upper Riley Creek Stabilization	1,100,000.00	(250,000.00)	850,000.00	11,754.51	30,566.52	3.60%
Middle Rice Creek	-	268,900.00	268,900.00	17,511.50	53,986.55	20.08%
Lake Ann Wetland Restoration	150,000.00	(100,000.00)	50,000.00	-	-	0.00%
St. Hubert Water Quality Project	-	100,000.00	100,000.00	4,042.63	25,646.31	25.65%
Subtotal	\$3,719,152.00	\$18,900.00	3,738,052.00	\$42,019.22	\$2,360,742.16	63.15%
Purgatory Creek						
Purgatory Creek Rec Area- Berm/retention area - feasibility/design	50,000.00	-	50,000.00	-	12,359.28	24.72%
Lotus Lake in-lake phosphorus load control	104,106.00	-	104,106.00	1,576.00	24,880.41	23.90%
Silver Lake Restoration - Feasibility Phase 1	255,931.00	-	255,931.00	1,337.50	21,791.68	8.51%
Scenic Heights	55,459.00	-	55,459.00	339.00	2,347.50	4.23%
Hyland Lake in-lake phosphorus load control	1,388.00	-	1,388.00	-	-	0.00%
Duck Lake watershed load	125,422.00	-	125,422.00	10,651.09	70,921.15	56.55%
Michell Lake Subwatershed Assessment	46,203.00	-	46,203.00	5,060.00	48,593.47	105.17%
Lotus Lake Kerber Pond	30,000.00	-	30,000.00	4,585.00	6,697.50	22.33%
Subtotal	\$668,509.00	\$0.00	668,509.00	\$23,548.59	\$187,590.99	28.06%
Reserve	\$100,000.00	(\$18,900.00)	81,100.00	\$0.00	-	0.00%
TOTAL EXPENDITURE	\$8,461,514.00	\$0.00	\$8,461,514.00	\$225,039.01	\$3,699,769.37	43.72%
EXCESS REVENUES OVER (UNDER) EXPENDITURES	\$0.00	\$0.00	\$0.00	\$1,699,840.68	(\$1,499,713.69)	

*Denotes Multi-Year Project - See Table 2 for details

RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT

Multi-Year Project Performance Analysis - Table 2

July 31, 2020

	Total Project	FUNDING SOURCE			Month Ended 07/31/20	Year To-Date	Lifetime Costs	Remaining
		District funds	Partner Fund	Grants				
Programs and Projects								
District Wide								
Community Resiliency	98,000.00	98,000.00	-	-	2,734.50	5,807.00	40,676.50	57,323.50
Repair and Maintenance Fund	277,005.00	277,005.00	-	-	34.00	54,459.58	88,735.08	188,269.92
Wetland Management	200,000.00	200,000.00	-	-	843.03	14,207.56	73,522.62	126,477.38
Groundwater Conservation	180,000.00	180,000.00	-	-	120.00	120.00	370.00	179,630.00
Opportunity Project*	300,000.00	300,000.00	-	-	1,545.25	13,666.29	26,165.29	273,834.71
Stormwater Ponds - U of M	106,092.00	64,092.00	42,000.00	-	-	31,829.96	57,936.97	48,155.03
Hennepin County Chloride Initiative	120,800.00	19,000.00	-	101,800.00	-	21,859.46	27,829.77	92,970.23
Lower Minnesota Chloride Cost-Share	217,209.00	20,000.00	-	197,209.00	-	-	-	217,209.00
Subtotal	\$1,499,106.00	\$1,158,097.00	\$42,000.00	\$299,009.00	\$5,276.78	\$141,949.85	\$315,236.23	1,183,869.77
Bluff Creek								
Bluff Creek Tributary*	436,750.68	386,750.68	50,000.00	-	1,578.00	14,804.65	336,517.43	100,233.25
Wetland Restoration at Pioneer	857,820.00	450,000.00	-	407,820.00	470.83	30,835.32	579,983.34	277,836.66
Subtotal	\$1,294,570.68	\$836,750.68	\$50,000.00	\$407,820.00	\$2,048.83	\$45,639.97	\$916,500.77	\$378,069.91
Riley Creek								
Lake Riley - Alum Treatment 1st dose *	560,000.00	560,000.00	-	-	-	255,654.74	510,654.57	49,345.43
Rice Marsh Lake in-lake phosphorus load	150,000.00	150,000.00	-	-	2,020.08	14,307.26	103,740.07	46,259.93
Rice Marsh WQ 1	300,000.00	300,000.00	-	-	2,515.00	15,742.50	15,742.50	284,257.50
Riley Creek Restoration (Reach E and D3) *	2,168,148.00	1,615,000.00	553,148.00	-	1,539.50	1,936,098.31	2,204,230.58	(36,082.58)
Lake Riley & Rice Marsh Lake Subwatershed Assessment	72,500.00	12,500.00	5,000.00	55,000.00	2,636.00	28,739.97	71,278.94	1,221.06
Upper Riley Creek Stabilization	450,000.00	1,100,000.00	0.00	-	11,754.51	30,566.52	30,566.52	419,433.48
Subtotal	\$3,700,648.00	\$3,737,500.00	\$558,148.00	\$55,000.00	\$20,465.09	\$2,281,109.30	\$2,936,213.18	\$764,434.82
Purgatory Creek								
Purgatory Creek Rec Area- Berm/retention area - feasibility/design	50,000.00	50,000.00	-	-	-	12,359.28	12,359.28	37,640.72
Lotus Lake in-lake phosphorus load control	345,000.00	345,000.00	-	-	1,576.00	24,880.41	265,773.75	79,226.25
Silver Lake Restoration Project WQ1	268,013.00	268,013.00	-	-	1,337.50	21,791.68	33,873.51	234,139.49
Scenic Heights	260,000.00	165,000.00	45,000.00	50,000.00	339.00	2,347.50	206,888.75	53,111.25
Hyland Lake Internal Load	150,000.00	130,000.00	20,000.00	-	-	-	128,612.41	21,387.59
Duck Lake watershed load	220,000.00	220,000.00	0.00	0.00	10,651.09	70,921.15	165,498.17	54,501.83
Mitchell Lake Subwatershed Assessment	87,500.00	12,500.00	5,000.00	70,000.00	5,060.00	48,593.47	89,890.11	(2,390.11)
Subtotal	\$1,380,513.00	\$1,190,513.00	\$70,000.00	\$120,000.00	\$18,963.59	\$180,893.49	\$902,895.98	\$477,617.02
Total Multi-Year Project Costs	\$7,874,837.68	\$6,922,860.68	\$720,148.00	\$881,829.00	\$46,754.29	\$2,649,592.61	\$5,070,846.16	\$2,803,991.52

Riley Purgatory Bluff Creek Watershed District
Balance Sheet
As of July 31, 2020

ASSETS

Current Assets

General Checking-Old National	\$2,063,529.38
Checking-Old National/BMW	23,256.03
Investments-Standing Cash	3,121,029.01
Investments-Wells Fargo	909,324.53
Accrued Investment Interest	21,874.72
Due From Other Governments	102,116.73
Taxes Receivable-Delinquent	36,003.36
Pre-Paid Expense	24,742.32
Security Deposits	7,244.00

Total Current Assets: \$6,309,120.08

LIABILITIES AND CAPITAL

Current Liabilities

Accounts Payable	\$560,270.38
Retainage Payable	12,521.39
Salaries Payable	20,456.02
Permits & Sureties Payable	646,514.50
Deferred Revenue	36,003.36
Unearned Revenue	199,470.00

Total Current Liabilities: \$1,475,235.65

Capital

Fund Balance-General	\$6,333,598.12
Net Income	(1,499,713.69)

Total Capital \$4,833,884.43

Total Liabilities & Capital \$6,309,120.08

RILEY PURGTORY BLUFF CREEK WATERSHED DISTRICT
OLD NATIONAL BANK VISA ACTIVITY
June 30, 2020

DATE	PURCHASED FROM	AMOUNT	DESCRIPTION	ACCOUNT #	RECEIPT
07/14/20	American Water Resource Association	39.00	AWRA Student DEI	10-00-4245	N
07/14/20	American Water Resource Association	179.00	AWRA DEI	10-00-4245	Y
07/14/20	American Water Resource Association	179.00	AWRA DEI	10-00-4245	Y
07/14/20	American Water Resource Association	348.00	AWRA DEI	10-00-4245	Y
07/14/20	Safe-Fast (MW) 651-797-4549 MN	2,714.15	Office Gear	10-00-4200	Y
07/15/20	American Water Resource Association	179.00	AWRA DEI	10-00-4245	N
07/15/20	American Water Resource Association	179.00	AWRA DEI	10-00-4245	Y
07/16/20	American Water Resource Association	39.00	AWRA Student Membership	10-00-4245	N
07/21/20	American Water Resource Association	39.00	AWRA Student DEI Training	10-00-4245	N
07/21/20	Verizon Wireless	488.91	Monthly Verizon	10-00-4240	Y
07/27/20	Randy's Sanitation	98.96	Trash Services	10-00-4220	Y
07/28/20	WPY Fortin Consulting	200.00	Salt Symposium for CAC	10-00-4800	Y
07/31/20	USPS	155.00	Postage Supplies	10-00-4280	Y
07/31/20	USPS	159.00	Postage Supplies	10-00-4280	Y
08/03/20	Costco Warehouse	106.14	Office Supplies	10-00-4200	Y
08/04/20	Adobe AcroPro	16.10	Computer Software	10-00-4203	Y
08/08/20	Amazon Mktp. US	89.95	Office Supplies	10-00-4200	Y
08/10/20	Microsoft	134.41	Computer Software	10-00-4203	Y
08/10/20	Amazon Mktp. US	30.99	Office Supplies	10-00-4200	Y
08/13/20	Amazon Mktp. US	36.18	Office Supplies	10-00-4200	Y
08/14/20	Amazon Mktp. US	149.43	Office Supplies	10-00-4200	Y
08/16/20	Amazon Mktp. US	50.00	Office Supplies	10-00-4200	Y
08/17/20	Kowalski's	29.99	Meeting Supplies	10-00-4205	Y
08/17/20	Amazon Mktp. US	106.30	Office Supplies	10-00-4200	Y
		\$5,746.51	General Administration Total		
07/14/20	Inspeed 978-397-6813 MA	204.50	Data Collection Equipment	20-05-4635	Y
07/15/20	Frattonone's Eden Prairie	11.29	Data Collection Supplies	20-05-4201	Y
07/16/20	Facebook	12.00	Web Subscription	20-08-4245	Y
07/16/20	Hach Company	423.15	Data Collection Supplies	20-05-4201	Y
07/16/20	Northern Tool Equipment	91.39	Data Collection Supplies	20-05-4201	Y
07/18/20	Inspeed 978-397-6813 MA	(11.50)	Order Adjustment	20-05-4635	Y
07/19/20	Amazon Mktp. US	121.29	Data Collection Supplies	20-05-4200	Y
07/20/20	Amazon Mktp. US	240.00	Data Collection Supplies	20-05-4635	Y
07/20/20	Inspeed 978-397-6813 MA	204.50	Data Collection Supplies	20-05-4635	Y
07/20/20	Microsoft Store	150.31	Computer Software	20-05-4203	Y
07/20/20	The Home Depot	3.78	Data Collection Supplies	20-05-4201	Y
07/21/20	Speedway	24.49	Fuel for Vehicle	20-13-4322	Y
07/21/20	Dunn & Semington	542.99	Printing	20-08-4208	Y
07/22/20	Inspeed 978-397-6813 MA	(204.50)	Refund	20-05-4635	Y
07/21/20	Menards	14.72	Data Collection Supplies	20-05-4201	Y
07/22/20	Hologram	36.15	Data Collection Sim Card	20-05-4635	Y
07/22/20	SQ.Maxbotix, Inc.	303.43	Data Collection Equipment	20-05-4635	Y
07/24/20	Speedway	50.38	Fuel for Vehicle	20-05-4322	Y
07/24/20	Speedway	54.61	Fuel for Vehicle	20-05-4322	Y
07/24/20	Meter Group	996.76	Data Collection Sensors	20-05-4635	Y
07/24/20	Ace Hardware	64.50	Gravel Bed Upkeep	20-08-4635	Y
07/24/20	Amazon Mktp. US	73.00	Data Collection Supplies	20-05-4201	Y
07/29/20	Frattonone's Eden Prairie	3.45	Data Collection Supplies	20-05-4201	Y
07/30/20	The Home Depot	47.63	Gravel Bed Upkeep	20-08-4635	Y
07/31/20	Tire's Plus	87.97	Vehicle Upkeep	20-05-4322	Y
08/08/20	Amazon Mktp. US	24.82	Data Collection Supplies	20-05-4201	Y
08/12/20	Menards	26.15	Data Collection Supplies	20-05-4201	Y
08/14/20	Speedway	51.39	Fuel for Vehicle	20-05-4322	N
08/15/20	Amazon Mktp. US	36.92	Data Collection Supplies	20-05-4200	Y
		\$3,685.57	District-Wide Total		
		\$9,432.08	GRAND TOTAL		

LIABILITY COVERAGE – WAIVER FORM

Members who obtain liability coverage through the League of Minnesota Cities Insurance Trust (LMCIT) must complete and return this form to LMCIT before the member's effective date of coverage. Return completed form to your underwriter or email to pstech@lmc.org.

The decision to waive or not waive the statutory tort limits must be made annually by the member's governing body, in consultation with its attorney if necessary.

Members who obtain liability coverage from LMCIT must decide whether to waive the statutory tort liability limits to the extent of the coverage purchased. The decision has the following effects:

- *If the member does not waive the statutory tort limits, an individual claimant could recover no more than \$500,000 on any claim to which the statutory tort limits apply. The total all claimants could recover for a single occurrence to which the statutory tort limits apply would be limited to \$1,500,000. These statutory tort limits would apply regardless of whether the member purchases the optional LMCIT excess liability coverage.*
- *If the member waives the statutory tort limits and does not purchase excess liability coverage, a single claimant could recover up to \$2,000,000 for a single occurrence (under the waive option, the tort cap liability limits are only waived to the extent of the member's liability coverage limits, and the LMCIT per occurrence limit is \$2,000,000). The total all claimants could recover for a single occurrence to which the statutory tort limits apply would also be limited to \$2,000,000, regardless of the number of claimants.*
- *If the member waives the statutory tort limits and purchases excess liability coverage, a single claimant could potentially recover an amount up to the limit of the coverage purchased. The total all claimants could recover for a single occurrence to which the statutory tort limits apply would also be limited to the amount of coverage purchased, regardless of the number of claimants.*

Claims to which the statutory municipal tort limits do not apply are not affected by this decision.

LMCIT Member Name:

Check one:

The member **DOES NOT WAIVE** the monetary limits on municipal tort liability established by [Minn. Stat. § 466.04](#).

The member **WAIVES** the monetary limits on municipal tort liability established by [Minn. Stat. § 466.04](#), to the extent of the limits of the liability coverage obtained from LMCIT.

Date of member's governing body meeting: _____

Signature: _____ Position: _____

LOTUS LAKE CONSERVATION ALLIANCE

PO BOX 1061 Chanhassen, MN 55317

www.lotuslakeca.org lotuslakeca@gmail.com

July 23, 2020

Dr. Claire Bleser
District Administrator
Riley Purgatory Bluff Creek Watershed
18681 Lake Drive East
Chanhassen, MN 55317

Subject: Shoreline Protection

Dr. Bleser:

On behalf of the LLCA and property owners on Lotus Lake I would like to request a “change in process” for shoreline protection work permits. Several property owners have expressed concern regarding the process and timeline of obtaining permits to protect their shoreline.

Lotus Lake presents a unique situation for recreational users and property owners. The shape and size of Lotus, its popularity for a variety of recreational activities and the changes in equipment on the lake, make for increased shoreline erosion. Property owners recognizing the need to address their shoreline concerns, should be afforded an efficient and timely process to obtain permits to protect their property.

I am not suggesting any less scrutiny or review of shoreline mitigation options...just a “fast track” process for Lotus considering our current reality...understanding that many of the more passive methods to prevent shoreline erosion are not effective on Lotus. Our lake is long and narrow...only 400’ to 800’ across in spots and the frequency of large wakes in those areas has a significant impact on shoreline.

Can the RPBC change the current permitting process? Can the authority to review and issue permits be removed from the District Managers and given to RPBC staff?

I believe the change to RPBC decision-making could reduce the timeline, increase communication relative to process and reduce overall applicant frustration.

Please consider this request at your earliest opportunity.

Sincerely,



Paul Granos – LLCA President

Background Information 2020 MAWD Resolution

Proposing District: Riley Purgatory Bluff Creek Watershed District

Contact Name: Claire Bleser, Administrator

Phone Number: 952-607-6512

Email Address: cbleser@rpbcwd.org

Resolution Title: RESOLUTION to ban the use of pesticides and herbicides that are known carcinogens on residential and commercial lawns

Background that led to the submission of this resolution:

Riley Purgatory Bluff Creek Watershed District seeks to address groundwater health challenges through the strategies included in its 2018 10-Year Watershed Management Plan to promote the sustainable management of groundwater resources. The District recognizes that groundwater can be contaminated by fertilizer and pesticide applications, and that surface water and groundwater resources are interdependent. (10-Year Plan, 2.3.6.2, 2-21). While these relationships are challenging to quantify, contaminated water from one source can impact the water quality of the other. The District is focused on prevention of groundwater contamination through best management practices, recognizing that groundwater clean-up, when feasible, is both expensive and complex.

Pesticides and herbicides used on both commercial and residential lawns have been linked to human health problems, and some studies have connected pesticides and herbicides with carcinogenic properties, including promotion of tumors.¹ A variety of pesticide and herbicide products pose health concerns, and some pesticides include known endocrine-disrupting compounds that affect how natural hormones function in the body and interfere with the body's regulation of the endocrine system.²

There are two primary pathways to pesticide and herbicide exposure, both directly and via drinking water through groundwater contamination. Contaminated surface water moving through the soil carries pollutants into groundwater resources, resulting in an underground plume of polluted groundwater that may become unsuitable for drinking water.³ In Minnesota, pesticides shown to disrupt hormone activity have been detected in surface waters.⁴

¹ Dich, J., Zahm, SH, Adami, HO. (1997). Pesticides and Cancer. *Cancer Causes Control*. May; 8(3), 420-43.

² Swackhamer, D. et al. (2010). Understanding Sources of Aquatic Contaminants of Emerging Concern. LCCMR Project Addendum. Available online: https://www.lccmr.leg.mn/documents/peer_review/2010/addendums/subd_5a_swackhamer_v1.pdf.

³ See Joyce Latimer, Mike Goatley, Greg Evanylo, Bonnie Appleton. (2009). Groundwater Quality and the Use of Lawn and Garden Chemicals by Homeowners. Virginia Tech and Virginia State University: Virginia Cooperative Extension. Available online: <https://www.pubs.ext.vt.edu/426/426-059/426-059.html>.

⁴ Swackhamer, D. et al. (2010). Understanding Sources of Aquatic Contaminants of Emerging Concern. LCCMR Project Addendum. Available online: https://www.lccmr.leg.mn/documents/peer_review/2010/addendums/subd_5a_swackhamer_v1.pdf.

Some municipalities in Canada have restricted pesticide use for aesthetic purposes, including on golf courses, due to health effects concerns including the relation between surface-applied pesticide exposure and occurrence of cancer.⁵ A 2006 study reviewing medical literature on herbicide and pesticide exposure notes that “the balance of epidemiological research suggests the 2,4-D [a common herbicide used to kill weeds in grass] can be persuasively linked to cancers, neurological impairment and reproductive problems. These may arise from 2,4-D itself, from breakdown products or dioxin contamination, or from a combination of chemicals.”⁶ The University of Texas MD Anderson Cancer Center also notes that, although evidence is limited, the International Agency for Research on Cancer linked certain herbicides, such as those containing glyphosate (2,4-D) with an increased risk of cancer.⁷ According to the non-profit group Beyond Pesticides, of the 36 most commonly used lawn care pesticides registered prior to 1984, “14 are probable or possible carcinogens, 15 are linked with birth defects, 21 with reproductive defects, 24 with neurotoxicity, 22 with liver or kidney damage, and 3 are sensitizers and/or irritants.”⁸ Additionally, “[a] child in a household using home and garden pesticides is 6.5 times more likely to develop leukemia than in a home that does not.” A 2012 National Institute of Health study of companion animals exposed to lawn care products demonstrated an association between use of specific law care products and a greater risk of canine malignant lymphoma.⁹

Ideas for how this issue could be solved:

We have identified one potential solution:

1. Ban the use of carcinogenic pesticides and herbicides on residential and commercial lawns and encourage adoption of alternatives such as PRFCT lawns.

Anticipated support or opposition from other governmental units?

Minnesota Department of Health lists pesticides as a chemical of special concern to children’s health and many be interested in partnering on legislation. The Minnesota Department of Agriculture offers voluntary turfgrass pesticide use Best Management Practices “to bring awareness to homeowners and lawn care companies on proper and judicious use of pesticides for homeowners, lawn care companies, and golf course managers to help protect water resources, humans, and non-target organisms including pollinators.” These BMPs include using non-chemical pest control methods.

This issue is of importance to (check one):

⁵ Loren D. Knopper & David R.S. Lean. (2010) Carcinogenic and Genotoxic Potential of Turf Pesticides Commonly used on Golf Courses. *Journal of Toxicology and Environmental Health, Part B*. Vol. 7, 2004: 4, 267-279. Available online: <https://www.tandfonline.com/doi/full/10.1080/10937400490452697?scroll=top&needAccess=true>.

⁶ Meg Sears, C. Robin Walker, Richard HC van der Jagt, Paul Claman. (2006) Pesticide assessment: Protecting public health on the home turf. *Pediatrics & Child Health*, vol. 11: 4, 229-234. Available online: <https://academic.oup.com/pch/article/11/4/229/2648275>.

⁷ Kellie Bramlet. (2016) Lawn Care and Your Cancer Risk. University of Texas MS Anderson Cancer Center. Available online: <https://www.mdanderson.org/publications/focused-on-health/lawncare-cancer-risk.h26Z1590624.html>.

⁸ Beyond Pesticides. Commonly Asked Wuestions About Chemical Lawn Care. Available online:

<https://www.beyondpesticides.org/programs/lawns-and-landscapes/overview/faq-chemical-lawn-care>.

⁹ Takashima-Uebelhoer BB, Barber LG, Zagarins SE, Procter-Gray E, Gollenberg AL, Moore AS, Bertone-Johnson ER. (2012) Household chemical exposures and the risk of canine malignant lymphoma, a model for non-Hodgkin’s lymphoma. *112:171-176*. Available online: <https://www.ncbi.nlm.nih.gov/pubmed/22222006>.

The entire state
Only our region
Only our district

X

Resolution to Ban the Use of Pesticides and Herbicides that are Known Carcinogens on Residential and Commercial Lawns

Whereas watershed districts engage in conserving the state's natural resources "by land use planning, flood control, and other conservation projects by using sound scientific principles for the protection of the public health and welfare and the provident use of the natural resources." Minn. Stat. 103D.201, subd. 1;

Whereas human and environmental health concerns arise from the use of health harming and potentially carcinogenic pesticides and herbicides on commercial and residential lawns because surface application exposes humans and animals to potential carcinogens, and surface water carries pesticide and herbicide pollution through soil and into groundwater sources that can affect drinking water and environmental health;

Whereas eliminating the use of specific pesticides and herbicides on lawns will reduce surface interaction with these health-harming, potential carcinogens, and limit their entry into groundwater;

Whereas the Minnesota Department of Health lists pesticides as a chemical of special concern to children's and the Minnesota Department of Agriculture promotes turfgrass pesticide use BMPs including using non-chemical pest controls;

Therefore, be it resolved that the Minnesota Association of Watershed Districts will seek legislation in partnership with the Minnesota Department of Health and Minnesota Department of Agriculture to achieve the following:

- a) Ban the use of carcinogenic pesticides and herbicides on residential and commercial lawns.

Background Information

2020 MAWD Resolution

Proposing District: Riley Purgatory Bluff Creek Watershed District

Contact Name: Claire Bleser, Administrator

Phone Number: 952-607-6512

Email Address: cbleser@rpbcwd.org

Resolution Title: RESOLUTION to limit excessive use of groundwater for the purpose of watering urban and suburban landscapes during summer months

Background that led to the submission of this resolution:

Riley Purgatory Bluff Creek Watershed District seeks to address depletion of valuable groundwater resources in Minnesota. 60% of homeowners with irrigation systems in the Twin Cities Metro Area used far more water than they needed to water their lawns¹. The use of groundwater to irrigate urban and suburban lawns during particular hours of the day during the summer poses needless use of such water during times when evaporation rates are highest, thus wasting precious water resources, many of which take thousands of years to replenish.

Watering lawns (either via landscape irrigation system or manual watering) between noon and sundown generally results in higher evaporation rates than watering morning hours. Watering lawns in the evening has the potential to make lawns susceptible to disease when hot and humid conditions are combined with excess moisture. Watering lawns in the early morning is the most ideal as evaporation demands are low and wind deflection is less of an issue.²

Irrigating urban and suburban lawns during or shortly after precipitation events, when soils are saturated, not only wastes a significant amount of groundwater, but also increases runoff and potential pollution of streams, lakes and wetlands.

Ideas for how this issue could be solved:

¹University of Minnesota Extension, *Planting Grass Seed? Most Twin Citians water lawns 'way too much'*, 2017, <https://twin-cities.umn.edu/planting-grass-seed-most-twin-citians-water-lawns-way-too-much>

² University of Minnesota Extension Turfgrass Science and Metropolitan Council, *Efficient Water Use On Twin Cities Lawn Through Assessment, Research, and Demonstration*, 2016, <https://metro council.org/Wastewater-Water/Publications-And-Resources/WATER-SUPPLY-PLANNING/Twin-Cities-Lawn-Irrigation-System-Surveys-And-Ass.aspx>

Background Information

2020 MAWD Resolution

Encourage the Department of Minnesota Natural Resources to investigate statewide regulations of urban and suburban lawn watering practices. Including but not limited to:

- Restricting the hours during which irrigation of lawns is allowed (with the exception of irrigation from water capture and reuse systems)
- Enforcement of Minnesota State Statute 103G.298 requiring that “all automatically operated landscape irrigation systems shall have furnished and installed technology that inhibits or interrupts operation of the landscape irrigation system during periods of sufficient moisture. The technology must be adjusted either by the end user or the professional practitioner of landscape irrigation services.”
- Require all companies engaged in the installation or maintenance of landscape irrigation systems to be trained and certified in the installation and use of EPA water sense technologies.
- Require all companies engaged in the installation or maintenance of landscape irrigation systems to register with the DNR and pay an annual fee to be divided among the cities and counties in which they do business based upon the amount of business done in each city and county.
- Require all companies engaged in the installation or maintenance of landscape irrigation systems to certify that the systems comply with restrictions regarding sensor technology as well as time restrictions.

Anticipated support or opposition from other governmental units?

Cities faced with providing adequate water supplies should support reasonable restrictions on the use of ground water to avoid the expense of drilling new wells and building new treatment facilities.

(Check one) This issue is of importance to:

Only our district _____
Only our region _____
The entire state X _____

Background Information

2020 MAWD Resolution

Resolution to Limit Excessive Use of Groundwater for the Purpose of Watering Urban and Suburban Landscapes During Summer Months

Whereas groundwater resources are often used in excess to water urban and suburban landscapes, primarily lawns.

Whereas evaporation rates are highest during the hours between noon and dusk and watering landscapes in the evening has the potential to increase susceptibility to plant diseases.

Whereas the ideal time to water lawns and urban and suburban landscapes is in the early morning, due to the low evaporation demands and lessened effects of wind deflection.

Whereas excess watering of urban and suburban landscapes can cause increased runoff and therefore pollution to streams, wetlands, and lakes.

Therefore, be it resolved that the Minnesota Association of Watershed Districts encourages the Department of Minnesota Natural Resources to investigate statewide regulations of urban and suburban lawn watering practices. Including but not limited to:

- Restricting the hours during which irrigation of lawns is allowed (with the exception of irrigation from water capture and reuse systems).
- Enforcement of Minnesota State Statute 103G.298 requiring that “all automatically operated landscape irrigation systems shall have furnished and installed technology that inhibits or interrupts operation of the landscape irrigation system during periods of sufficient moisture. The technology must be adjusted either by the end user or the professional practitioner of landscape irrigation services.”
- Require all companies engaged in the installation or maintenance of landscape irrigation systems to be trained and certified in the installation and use of EPA water sense technologies.
- Require all companies engaged in the installation or maintenance of landscape irrigation systems to register with the DNR and pay an annual fee to be divided among the cities and counties in which they do business based upon the amount of business done in each city and county.
- Require all companies engaged in the installation or maintenance of landscape irrigation systems to certify that the systems comply with restrictions regarding sensor technology as well as time restrictions.

Background Information 2020 MAWD Resolution

Proposing District: Riley Purgatory Bluff Creek Watershed District

Contact Name: Claire Bleser, Administrator

Phone Number: 952-607-6512

Email Address: cbleser@rpbcwd.org

Title: RESOLUTION to amend Minnesota Rule 8410.0800 to include a required goal for soil health in watershed management plans and ten-year plan amendments

Background that led to the submission of this resolution:

Riley Purgatory Bluff Creek Watershed District seeks to address the decline of soil health, “the continued capacity of soil to function as a vital living ecosystem that sustains plants, animals, and humans,”¹ and the closely related negative impacts to water quality, due to the spread of impervious surfaces and general compaction of urbanized soils.

Excessive rainfall and resultant flooding, threatening food security, public health, and natural resources, are anticipated as rainfall amounts continue to increase. Soil organic matter is a known effective antidote to the negative water resources impacts of soil erosion and flooding that accompany increased rainfalls.² For example, a 1% increase in soil organic matter has the ability to hold 20,000 gallons of additional water per acre. Increasing the organic carbon content in soil significantly benefits water quality, along with the public health more broadly.³ Healthy soils contain “a diverse population of beneficial organisms, high levels of decomposed organic matter, low levels of toxic compounds, adequate (rather than excessive) levels of nutrients, a sufficiently porous surface, and good tilth.”⁴

According to the Natural Resources Conservation Service,

“Soil helps control where rain, snowmelt, and irrigation water goes. Water and dissolved solutes flow over the land or into and through soil. . . . The minerals and microbes in soil are responsible for filtering, buffering, degrading, immobilizing, and detoxifying organic

¹ Natural Resources Conservation Service - Soils. Soil Health. USDA. *Available online:* <https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>.

² See Desai, Danika. 2018. Soil Conservation in California: An Analysis of the Healthy Soils Initiative. NYU Environmental Law Journal. *Available online:* <https://www.nyuelj.org/2018/02/soil-conservation-in-california-an-analysis-of-the-healthy-soils-initiative/>

³ Bryant, Lara. 2015. Organic Matter Can Improve Your Soil’s Water Holding Capacity. NRDC. *Available online:* <https://www.nrdc.org/experts/lara-bryant/organic-matter-can-improve-your-soils-water-holding-capacity>.

⁴ *Id.*

and inorganic materials, including industrial and municipal by-products. . . . Soil structure provides a medium for plant roots.”⁵

Currently, Minnesota Rule 8410.0800 lists required goals for water management plans and ten-year plan amendments, including for water quantity, water quality, public drainage systems, groundwater, and wetlands. Missing from this list of required goals is soil health.

Minnesota Statutes Section 103B.231, subd. 4(c) states:

(c) The [metropolitan watershed management] plan shall contain the elements required by subdivision 6. Each element shall be set out in the degree of detail and prescription necessary to accomplish the purposes of sections [103B.205](#) to [103B.255](#), considering the character of existing and anticipated physical and **hydrogeologic conditions**, land use, and development and the severity of existing and anticipated water management problems in the watershed. [emphasis added.]

Section 103B.231, subd. 4(c) provides a statutory basis for revising Minnesota Rule 8410.0080 to include soil health goals in watershed management plans, given the hydrogeologic connection between soil health and impervious surface water runoff and compaction of urbanized soils;

Ideas for how this issue could be solved:

Ask the Minnesota Board of Water and Soil Resources to amend Minnesota Rule 8410.0080 to include a goal for soil health in watershed management plans and ten-year plan amendments. A metropolitan watershed district would then be required to include soil health in its watershed management plan or ten-year plan amendment, and to implement policies to assess, protect, and restore soil health within the district.

Anticipated support or opposition from other governmental units?

(Check one) This issue is of importance to:

Only our district

Only our region

The entire state

⁵ Natural Resources Conservation Service - Soils. Soil Health. USDA. Available online: <https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>.

Resolution to Amend Minnesota Rule 8410.0800 to Include a Required Goal for Soil Health in Watershed Management Plans and Ten-Year Plan Amendments

Whereas watershed districts engage in conserving the state’s natural resources “by land use planning, flood control, and other conservation projects by using sound scientific principles for the protection of the public health and welfare and the provident use of the natural resources.” Minn. Stat. 103D.201, subd. 1;

Whereas soil health, “the continued capacity of soil to function as a vital living ecosystem that sustains plants, animals, and humans,”¹ is connected to the health of water resources, specifically water quality, and soil health has declined in urbanized areas due to the spread of impervious surface and the general compaction of urbanized soils; further, improving soil organic matter in soil can significantly help to absorb additional water due to excessive rainfall, reducing erosion and flow rates to water resources;

Whereas Minnesota Rule 8410.0060 includes soil inventory as a required element of a metropolitan watershed plan, but Minnesota Rule 8410.0080, listing goals to be included in watershed management plans and ten-year plan amendments, does not include soil health among the listed goals of water quantity, water quality, public drainage systems, groundwater, and wetlands;

Whereas Minnesota Statutes Section 103B.231, subd. 4(c) provides a statutory basis for revising Minnesota Rule 8410.0080 to include soil health goals in watershed management plans by providing that watershed management plans consider “the character of existing and anticipated physical and hydrogeologic conditions, land use, and development and the severity of existing and anticipated water management problems in the watershed”;

Therefore, be it resolved that the Minnesota Association of Watershed Districts hereby requests the Minnesota Board of Water and Soil Resources to amend the Minnesota Rule 8410.0080 to include a goal for soil health in watershed management plans and ten-year plan amendments.

¹ Natural Resources Conservation Service - Soils. Soil Health. USDA. *Available online:* <https://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>.

APPROVED MAWD RESOLUTION 2019-05

Watershed District Membership on Wetland Technical Evaluation Panels

WHEREAS, the Prior Lake-Spring Lake Watershed District (PLSLWD) is a watershed management organization and political subdivision of the State of Minnesota established under and operating with powers and purposes set forth at Minnesota Statutes Chapters 103B and 103D; and

WHEREAS, the District has rules that affect drilling, filling, excavating or otherwise altering wetlands; and

WHEREAS, by state statute, questions concerning the public value, location, size or type of wetland are required to be submitted to and determined by a Technical Evaluation Panel (TEP); and

WHEREAS, technical professional employees of watershed districts are not official members of a TEP; and

WHEREAS, wetlands play a vital role in the health of watersheds

THEREFORE, BE IT RESOLVED that MAWD supports legislation to allow technical representatives of watershed districts to be official members of wetland technical evaluation panels (TEPs).