



# Bassett Creek Watershed Management Commission

Regular Meeting  
Thursday, June 16, 2022

8:30 – 11:00 a.m.

Plymouth Maintenance Facility  
14900 23<sup>rd</sup> Ave. N., Plymouth

## AGENDA

### 1. CALL TO ORDER and ROLL CALL

2. **PUBLIC FORUM ON NON-AGENDA ITEMS** – *Members of the public may address the Commission about any item not contained on the regular agenda. A maximum of 15 minutes is allowed for the Forum. If the full 15 minutes are not needed for the Forum, the Commission will continue with the agenda. The Commission will take no official action on items discussed at the Forum, with the exception of referral to staff or a Commissions Committee for a recommendation to be brought back to the Commission for discussion/action.*

### 3. APPROVAL OF AGENDA

### 4. CONSENT AGENDA (10 minutes)

- A. Approval of Minutes – May 19, 2022 Commission Meeting
- B. Acceptance of June 2022 Financial Report
- C. Approval of Payment of Invoices
  - i. Keystone Waters, LLC – May 2022 Administrative Services
  - ii. Keystone Waters, LLC – May 2022 Meeting Expenses
  - iii. Barr Engineering – May 2022 Engineering Services
  - iv. Kennedy & Graven – April 2022 Legal Services
  - v. Redpath – May 2022 Accounting Services
  - vi. Stantec – WOMP Services
  - vii. Triple D Espresso – Meeting Catering
  - viii. PLM Land and Lake Management – Curly-leaf Pondweed Herbicide Treatment
  - ix. MPCA Invoice – VIC Reimbursement for Main Stem Erosion Repair Project
  - x. MMKR – 2021 Financial Audit
  - xi. Jan Voit – May Meeting Minutes
  - xii. LMCIT – Insurance Renewal
- D. Approval of Highway 55 and Highway 169 Apartments Project, Plymouth

### 5. BUSINESS

- A. Consider Approval of 90% Design Plans for Main Stem Lagoon Dredging Project (BC-7) (30 min)
- B. Set Maximum Levy for 2023 Capital Improvement Projects (15 min)
- C. Report on Haha Wakpandan Community Event and Update on Watershed Plan Development Receive (20 min)

**BREAK** (at Chair's discretion)

- D. Receive Update on 2022 Operating Budget Status (10 min)
- E. Discuss Membership in Minnesota Association of Watershed Districts (MAWD) (20 min)
- F. Consider Approval of 2023 Proposed Operating Budget and Changes to Review Fee Schedule (15 min)
- G. Consider Purchase of Dissolved Oxygen Sensor for Annual Stream Monitoring (10 min)

## 6. COMMUNICATIONS (10 minutes)

- A. Administrator's Report
  - i. Freshwater Event at Utepils
- B. BCWMC Intern
- C. Chair
- D. Commissioners
- E. TAC Members
  - i. June 1<sup>st</sup> Meeting Report
  - ii. Next Meeting July 6<sup>th</sup> – Need Liaison
- F. Committees
- G. Legal Counsel
- H. Engineer
  - i. Update on Sweeney Lake and Schaper Pond Activities
  - ii. Update on Water Monitoring Activities

## 7. INFORMATION ONLY (Information online only)

- A. BCWMC Administrative Calendar
- B. CIP Project Updates [www.bassettcreekwmo.org/projects](http://www.bassettcreekwmo.org/projects)
- C. Grant Tracking Summary and Spreadsheet
- D. WCA Notices – Golden Valley, Minnetonka, Plymouth
- E. Stormwater Summit [www.wef.org/StormwaterSummit](http://www.wef.org/StormwaterSummit)
- F. Salt Symposium Early Registration [www.bolton-menk.com/resources/salt-symposium/](http://www.bolton-menk.com/resources/salt-symposium/)

## 8. ADJOURNMENT

### Upcoming Meetings & Events

- BCWMC Technical Advisory Committee Meeting – Wednesday July 6<sup>th</sup> @ 10:30 a.m., Wirth Lake Room, Brookview
- BCWMC Plan Steering Committee Workshop (committee of the whole) – Monday July 11<sup>th</sup> @ 4:00 – 6:00 p.m., Location TBD
- BCWMC Regular Meeting – Thursday July 21<sup>st</sup> @ 8:30 a.m., Plymouth Maintenance Facility
- Stormwater Summit Sponsored by the Water Environment Federation, July 27 – 29, Minneapolis [www.wef.org/StormwaterSummit](http://www.wef.org/StormwaterSummit)
- Salt Symposium Livestreamed August 2 & 3, [www.bolton-menk.com/resources/salt-symposium/](http://www.bolton-menk.com/resources/salt-symposium/)



# Bassett Creek Watershed Management Commission

## AGENDA MEMO

Date: June 9, 2022

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: **Background Information for 6/16/22 BCWMC Meeting**

1. **CALL TO ORDER and ROLL CALL**
2. **CITIZEN FORUM ON NON-AGENDA ITEMS**
3. **APPROVAL OF AGENDA – ACTION ITEM with attachment**
  
4. **CONSENT AGENDA**
  - A. Approval of Minutes – May 19, 2022 Commission Meeting- **ACTION ITEM with attachment**
  
  - B. Acceptance of June Financial Report - **ACTION ITEM with attachment**
  
  - C. Approval of Payment of Invoices - **ACTION ITEM with attachments (online) – I reviewed the following invoices and recommend payment.**
    - i. Keystone Waters, LLC – May 2022 Administrative Services
    - ii. Keystone Waters, LLC – May 2022 Meeting Expenses
    - iii. Barr Engineering – May 2022 Engineering Services
    - iv. Kennedy & Graven – April 2022 Legal Services
    - v. Redpath – May 2022 Accounting Services
    - vi. Stantec – WOMP Services
    - vii. Triple D Espresso – Meeting Catering
    - viii. PLM Land and Lake Management – Curly-leaf Pondweed Herbicide Treatment
    - ix. MPCA Invoice – VIC Reimbursement for Main Stem Erosion Repair Project
    - x. MMKR – 2021 Financial Audit
    - xi. Jan Voit – May Meeting Minutes
    - xii. LMCIT – Insurance Renewal
  
  - D. Approval of Highway 55 and Highway 169 Apartments Project, Plymouth – **ACTION ITEM with attachment** – *The proposed project includes redevelopment of a parking lot to build an apartment building, parking lot, sidewalks, and stormwater management creating 1.70 acres of new and fully reconstructed impervious surfaces. The project results in ~1,070 cubic yards of floodplain fill and ~1,080 cubic yards of compensating storage, resulting in a net gain of ~10 cubic yards of floodplain storage. The project meets BCWMC rate control and erosion and sediment control requirements. Due to site constraints, the project meets water quality requirements using MIDS flexible treatment option #2. Staff recommends approval.*
  
5. **BUSINESS**
  - A. Consider Approval of 90% Design Plans for Main Stem Lagoon Dredging Project (BC-7) (30 min) – **ACTION ITEM with attachment (plan sets online)** – *At the December 2021 meeting, the Commission approved the 50% plans for this project which is being designed and constructed by the Commission itself (rather than through an agreement with a city). Project webpage: [www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project](http://www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project). Commission Engineers completed the 90% plans and will present them at this meeting. Staff recommends approving the 90% plans and directing the Commission Engineers and Attorney to continue with final design, permitting, coordination, outreach, drafting necessary agreements, and performing an additional survey. Final designs and bid documents would be brought to a future Commission meeting for approval.*

- B. Set Maximum Levy for 2023 Capital Improvement Projects (15 min) – **ACTION ITEM with attachment** - A maximum 2023 levy amount for collection by Hennepin County on behalf of the Commission must be set at this meeting. Staff recommends a levy of \$2,207,000 for the projects listed in the attached table. This levy amount reflects the Commission’s approval of the [5-year CIP](#) at their meeting in April, including the latest estimated cost for the Bryn Mawr Meadows Project. The Commission can lower the levy request when it submits its final levy amount in September of this year, but it cannot request a higher levy.
- C. Report on Haha Wakpadan Community Event and Update on Watershed Plan Development Receive (20 min) – **INFORMATION ITEM with no attachment** – Chair Cesnik, Vice Chair Welch and I attended the Haha Wakpadan event last Saturday and heard about the oral history project by Valley Community Presbyterian Church. Transcripts and recordings from the project will be available later this year. Native community members spoke at the event and the church’s land acknowledgement statement was presented. We will provide more information about the event and partnering opportunities at this meeting.

I will also provide an update on the 2025 Plan development process. A new Plan Update webpage was created ([www.bassettcreekwmo.org/document/2025-plan-update](http://www.bassettcreekwmo.org/document/2025-plan-update)) and a public input survey is now available. You should have your calendars marked for the July 11<sup>th</sup> Plan Steering Committee Workshop 4:00 – 6:00 p.m. (location to be determined).

**BREAK** – at the chair’s discretion

- D. Update on 2022 Operating Budget Status (10 min) – **INFORMATION ITEM see Item 4B above** – We are one third of the way through the fiscal year and it’s a good time to review the operating budget status. The budget is currently on track in most categories and we will receive grant and partner funding of about \$23,000 to offset the high APM/AIS costs. I will provide additional information at this meeting.
- E. Discuss Membership in Minnesota Association of Watershed Districts (MAWD) (20 min) – **DISCUSSION ITEM with attachment** – At the May meeting, the Commission discussed the Budget Committee’s recommendation to end membership in MAWD and save the \$7,500 in dues. As directed, I spoke with MAWD’s Executive Director and reviewed additional information. Please see my memo outlining my recommendation to remain a member of MAWD.
- F. Consider Approval of 2023 Proposed Operating Budget and Changes to Review Fee Schedule (15 min) – **ACTION ITEM with attachments** – At the May meeting, the Commission reviewed the Budget Committee’s proposed 2023 Operating Budget, 2023 city assessments, and updated development review fees. As requested, the TAC discussed the review fees at their meeting earlier this month and recommends the attached changes to review fees (showing changes from the 2017 fees). The attached budget includes the original proposed budget presented last month along with my recommended budget that includes MAWD dues and assumes the TAC-recommended review fees. The city assessment table on page 3 of the budget includes additional scenarios with and without MAWD dues; and with and without the TAC-recommended review fees. The Commission should approve a proposed budget at this meeting to allow member cities to comment between July 1 and August 1. The final 2023 budget would be approved at your August meeting.
- G. Consider Purchase of Dissolved Oxygen Sensor for Annual Stream Monitoring (10 min) – **ACTION ITEM with attachment** – The Commission Engineer recommends purchase of a dissolved oxygen meter to be used with the stream monitoring program. Purchase of the meter would be less expensive than renting a meter as is current practice. Please see the memo with additional information.

## 6. COMMUNICATIONS (10 minutes)

- A. Administrator's Report - **INFORMATION ITEM with attachment**
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- C. Chair
- D. Commissioners
- E. TAC Members
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- F. Committees
- G. Legal Counsel
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  - i. Update on Sweeney Lake and Schaper Pond Activities  
Update on Water Monitoring Activities

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## Bassett Creek Watershed Management Commission

**DRAFT Minutes of Regular Meeting  
Thursday, May 17, 2022  
8:30 a.m.  
Brookview, Golden Valley, Bassett Creek North Room**

**1. CALL TO ORDER and ROLL CALL**

On Thursday, May 17, 2022 at 8:31 a.m. Chair Cesnik brought the Bassett Creek Watershed Management Commission (Commission) to order.

**Commissioners, city staff, and others present**

City	Commissioner	Alternate Commissioner	Technical Advisory Committee Members (City Staff)
Crystal	Dave Anderson	Joan Hauer	Mark Ray
Golden Valley	Stacy Harwell	Jane McDonald Black	Eric Eckman
Medicine Lake	<i>Absent</i>	Shaun Kennedy	<i>Absent</i>
Minneapolis	Michael Welch	Jodi Polzin	Katie Kowalczyk
Minnnetonka	<i>Vacant Position</i>	<i>Vacant Position</i>	Leslie Yetka
New Hope	<i>Absent</i>	Jennifer Leonardson	Nick Macklem
Plymouth	Catherine Cesnik	Monika Vadali	Ben Scharenbroich
Robbinsdale	<i>Absent</i>	<i>Vacant Position</i>	Mike Sorensen
St. Louis Park	<i>Vacant Position</i>	<i>Absent</i>	Erick Francis
<b>Administrator</b>	Laura Jester, Keystone Waters		
<b>Engineers</b>	Karen Chandler and Katie Turpin-Nagel, Barr Engineering		
<b>Recording Secretary</b>	<i>Absent</i>		
<b>Legal Counsel</b>	Dave Anderson, Kennedy & Graven		
<b>Presenters/ Guests/Public</b>	John Elholm, City of Crystal		

Introductions were made around the room.

**2. PUBLIC FORUM ON NON-AGENDA ITEMS**

No comments from the public were made.

**3. APPROVAL OF AGENDA**

**MOTION:** Commissioner Welch moved to approve the agenda. Alternate Commissioner Leonardson seconded the motion. The motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

**4. CONSENT AGENDA**

The consent agenda was amended to remove items 4G, 4Cix, and 4E. The following items were approved as part of the consent agenda.

- Approval of April 21, 2022 Meeting Minutes
- Acceptance of May Financial Report
- Approval of Payment of Invoices
  - i. Keystone Waters, LLC – April 2022 Administrative Services
  - ii. Keystone Waters, LLC – April 2022 Meeting Expenses
  - iii. Barr Engineering – April 2022 Engineering Services
  - iv. Kennedy & Graven – March 2022 Legal Services
  - v. Redpath – April 2022 Accounting Services
  - vi. Jan Voit – April 2022 Administrative Services
  - vii. Stantec – WOMP Services
  - viii. Three-One-Six Bar and Grill – Meeting Catering
- Approval of Resolution 22-06 to Not Waive Monetary Limits on Municipal Tort Liability
- Approval of Agreement with Three Rivers Park District for Medicine Lake Collaboration
- Conditional Approval of Meadowbrook Elementary School Parking Lot Improvements, Golden Valley

**MOTION:** Commissioner Welch moved to approve the consent agenda as amended. Commissioner Cesnik seconded the motion. The motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

**5. BUSINESS**

*Moved off consent:* **4Cix. Metro Conservation Districts – Children’s Water Festival Sponsorship**

Commissioner Welch requested discussion of this item to provide information on the record regarding the goals and benefits of the Children’s Water Festival to the BCWMC. Administrator Jester explained that the event is sponsored by the Metro Soil and Water Conservation Districts. The event provides free education to 4<sup>th</sup> grade students throughout the metro. Each year for the past nine years, the Commission has contributed \$350 to this event. It is a benefit to the Commission in the goal of education.

**MOTION:** Commissioner Welch moved to approve \$350 for the Metro Conservation Districts Children’s Water Festival. Commissioner Anderson seconded the motion. The motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

*Moved off consent:* **4E. Approval of BCWMC Annual Report**

Commissioner Welch stated that this report is extensive and thorough. Other watershed reports are five or six pages in length. Administrator Jester agreed that it is extensive. It is easier to cut and paste information into the existing format than to revamp and make it more concise. The time commitment remains the same each year.

**MOTION:** Commissioner Welch moved to accept the BCWMC Annual Report and submit it to the Board of Water and Soil Resources (BWSR). Commissioner Harwell seconded the motion. Upon a roll call vote, the motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

*Moved off consent:* **4G. Approval of Contract with Met Council for Watershed Outlet Monitoring Program (WOMP)**

Administrator Jester explained the minor changes made to the contract. She is waiting to hear back from the Met Council regarding these changes.

**MOTION:** Commissioner Welch made a motion to authorize Chair Cesnik to execute the contract with Met Council for the Watershed Outlet Monitoring Program as amended. Alternate Commissioner Kennedy seconded the motion. The motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

**A. Consider Approval of 90% Design Plans for Medley Park Stormwater Treatment Facility (ML-12)**

Katie Turpin-Nagel With Barr Engineering explained that the Commission ordered this project and entered into an agreement with the City of Golden Valley to design and construct the project for stormwater management, water quality treatment, and habitat improvement. The 50% design plans were approved in February.



Primary benefits of this project include water quality improvement for Medicine Lake and flood mitigation. There has been stormwater damage to the park and the adjacent residential area in the past due to flooding. Secondary benefits include wildlife habitat restoration, interactive park features, and overlook areas. There are three funding sources: \$1.2M from BCWMC Capital Improvement Project (CIP) funds, \$500,000 from the City of Golden Valley, and \$300,000 from a Board of Water and Soil Resources (BWSR) Clean Water Fund grant. The BCWMC CIP funds are allocated over 2022 and 2023.

The timeline was explained. Following this meeting, a second public engagement event will be held in an online format. Comments received will be incorporated into the final design. Bidding for construction will be done in the summer, with construction anticipated this fall or early winter.

Engineer Turpin-Nagel described the 90% design elements including expansion of Medley Pond, creation of new ponds with wetland fringe, and realignment of an existing stream. The estimated project cost is \$1.95M for construction and engineering.

Engineer Turpin-Nagel explained changes since 50% design, including two additional ADA benches and pads because of concerns raised during the open house and moving from electrical to solar lighting. One additional tree needs to be removed, totaling 10 trees. The trees will be replaced at a 1:1 ratio. A detailed restoration plan has been completed, which includes stream channel restoration, granite riprap, native upland plants, shrubs, and pollinator plants. Hydrologic models are used to determine peak flood elevations and how long plants will be underwater, as well as frequency of flooding. This information is used to determine seeding types.

The metrics of the 50% design to the 90% design were compared. The numbers for 90% matched or improved upon the 50% figures. The flood mitigation volume remains the same, as does the reduction in flood elevation. The same number of at-risk structures are being removed. The phosphorus removal remains consistent, as do the restored wetland and upland habitat areas. Permitting and public engagement were also described.

The cost per pound of phosphorus removal was described. The anticipated life of the project is considered in the removal estimate. The annualized cost is considered to be 30 years and is based on the cost specifically for features that improve water quality.

Administrator Jester clarified that the costs for new and improved park elements will be paid by the city. Discussion was held regarding the possibility of costs for existing trails and lighting that are impacted by project construction being paid with CIP funds. The feasibility study includes information on which features can be paid with CIP funds. In the contract administration, the invoices will be reviewed before payment is made. It was suggested to direct Commission Attorney Anderson to review the agreement to make sure reimbursements are appropriate.

Engineer Turpin-Nagel confirmed that there are no wetland impacts and that stream velocities were evaluated to determine rock size needed for stabilization.

**MOTION:** Alternate Commissioner Kennedy made a motion to approve the 90% plans and direct the Commission Engineer to proceed with 100% design and bidding. Commissioner Welch seconded the motion. The motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

**B. Review Recommendations on 2023 Operating Budget from Budget Committee**

Committee Chair McDonald Black presented the draft 2023 operating budget. The proposed budget reflects the increased costs for updating the Watershed Management Plan (WMP), leaving the Minnesota Association of Watershed Districts (MAWD) in 2023, and incorporates a recommended increase in Commission development review fees. It also assumes higher administration costs and higher Flood Control Project maintenance costs. The proposed budget increase is 11.5%, with the city assessments increasing by an average of 8.4%.

Discussion was held regarding the recommendation to leave MAWD. The committee believes that MAWD is very focused on issues outside the Metro area. It was noted the Commission could still participate in some MAWD events.

Commissioner Welch stated that he has participated in Metro MAWD and MAWD events. Other commissioners have not participated. He clarified that if the Commission is no longer a member, they cannot participate, they can only attend events. He has been active in the Strategic Plan, which influences MAWD direction. He noted that if the Commission wants MAWD to go in a different direction, they need to participate. He noted the Commission could direct the Administrator to tell MAWD we are disgruntled and ask for a reduced dues rate. There was discussion about how the State's new One Watershed One Plan has impacted other metro watersheds and how the MAWD

Annual Meeting was challenging to understand and follow. It was noted that the \$7,500 dues are just one cost and that commissioner and staff time also impacts the budget. Some commissioners noted it is difficult to see the benefit of membership. It may be better to have a bigger investment in education and outreach than paying MAWD dues.

There was discussion regarding legislative priorities of MAWD, including supporting flood hazard mitigation. Administrator Jester said that it seems most of their energy goes to outstate issues and it's difficult for her to see the benefits of membership. She noted commissioners and staff could still attend Metro MAWD meetings but wouldn't be able to participate in the business meeting or put forth resolutions for legislative priorities. She also noted multiple MAWD meetings regarding watershed-based implementation funding (WBIF). It was a good policy discussion to have but MAWD may have burned bridges with state agencies that wasn't necessary.

Commissioners noted the Commission works with state agencies a lot and wondered if we are a member of MAWD, does that reflect poorly on our cities or the Commission? There was further discussion on relationships and cooperation.

It was noted that the recommendation to leave MAWD was discussed at length by the Budget Committee and was not made lightly. The dues are a lot of money and we need to ensure we are representing our taxpayers wisely. Chair Cesnik is open to reconsidering the recommendation. There is no need to decide today.

Commissioner Welch asked that in order to get to a place where the Commission is comfortable making a decision in June, is it possible to have our administrator raise concerns with the MAWD Executive Director? If Administrator Jester gets feedback from MAWD, that would help with the decision-making process in June.

Chair Cesnik suggested making a pros and cons document. Having MAWD as a legislative watchdog is good. She likes MAWD, but the outstate focus is difficult. Having a focused discussion would be helpful. The dues are a significant portion of our operating budget.

Commissioner Harwell said that we do need to discuss where we are spending money. The increase in the development review fees should be discussed at the next meeting.

Administrator Jester asked for input from the cities on the potential increases in city assessments. The City of Plymouth noted a concern with the 8.4% increase, but was not sure where the budget could be cut. Cities also noted concern with the potential increase to municipal project review fees.

There was further discussion about project review fees that have not been updated since 2017. It was noted that there is a wide range of single-family homeowner projects, some of which take a lot of time to review as homeowners do not always understand the technical aspects. It was noted that cities often work with the homeowners before the Commission sees the application.

Alternate Commissioner Polzin explained that a big driver of the budget change is the Watershed Management Plan update. They are looking at opportunities to offset that cost. MAWD represents one percent of our budget. We want to make sure the costs for reviews pay for themselves. Commission policy decisions need to fit into the larger context of our budget.

Budget Committee Chair McDonald Black noted that city assessments have been kept low for many years and that cities were told that a larger increase would be needed in the future.

Administrator Jester reminded commissioners that there is no need for a decision today. She indicated that before the June meeting she will touch base with the MAWD Executive Director. She will check with engineers about municipal project fees and that the TAC can discuss the proposed review fee schedule at their June 1<sup>st</sup> meeting. It was noted the proposed budget will be presented with different scenarios in June including with and without MAWD dues.

[Alternate Commissioner McDonald Black leaves meeting. A five-minute break was taken.]

### **C. Review New Information on Crystal Dog Park Project**

Chair Cesnik thanked the City of Crystal for considering a partnership with BCWMC on this project to incorporate protections to the stream from potential dog waste pollution. Administrator Jester gave an overview of the dog park. The proposed project includes a small section in the 100-year floodplain. She noted the revised drawings show an existing swale between the bulk of the dog park and the stream; the city plans to expand the swale. She also noted the city will partner with the Commission on improved educational signage. She noted that because of these

new elements and after a site visit with the engineers, Chair Cesnik, and city staff, she is more comfortable with the project.

Alternate Commissioner Hauer expressed concerns with dog waste. In the current dog park, pet owners don't pick up waste. She doesn't know how the new park will bring about a change. She noted concerns with a reduction of wooded habitat. She also noted that Commissioner Anderson is on the Crystal Park and Recreation Commission.

Crystal Recreation Director John Elholm stated that there hasn't been an effort to get grass to grow in the current dog park so it's often muddy. He commented that the future dog park area is a public park, not meant as a wildlife preserve. Chair Cesnik explained that the city is willing to partner on signage in an effort to teach pet owners the importance of removing dog waste. Having an adequate number of trash cans is also important, as well as policing by other pet owners.

Commissioner Harwell expressed concerns that if the current park users are not picking up dog waste, they are not going to suddenly change behavior. She believed Alternate Commissioner Hauer had valid concerns. This is a serious problem for water quality because the project is located in the floodway.

Mr. Elholm responded that the goals of the project were to stay out of the water, wetlands, and floodplain. With the addition of the ADA accessible trail and without adding considerable site grading, there will be a small portion of the project in the floodplain.

Crystal TAC Member Ray confirmed that the project is in the floodplain, not the floodway. He did not know if the boundary would change with the updated watershed XP SWMM model.

Alternate Commissioner Hauer and Commissioner Harwell expressed concerns about the current dog park, dog waste issues, the need for the new park rather than enhancing the current park, and water quality issues. Mr. Elholm explained that the Park Master Plan process was used as a basis for changes in the park. There was a year-long input process. The city is aware that the signage needs improvement. They are not aware that dog waste is a problem in the current dog park; that issue has not been raised with city staff in the past.

Chair Cesnik stated that it may be prudent to have a comment in the Commission's approval letter regarding the need to improve the dog waste removal process.

**MOTION:** Commissioner Anderson moved conditional approval of the Crystal Dog Park Project. Commission Attorney Anderson addressed the Commission regarding whether Commissioner Anderson has a conflict of interest because he serves on the Crystal Parks and Recreation Commission. He noted that this is similar to many projects with which the Commission is involved. City council members on the Commission participate in the decision-making process. He stated he believes no conflict of interest exists and there is no need for Commissioner Anderson to recuse himself from the vote. Chair Cesnik seconded the motion.

Commissioner Harwell stated that until she is satisfied that the pet waste issue is addressed, she will not be voting to approve the project. Commissioner Anderson explained his involvement on the city's Park and Recreation Commission began after approval of the city's Park Master Plan, and noted that at the last Commission meeting, Commission Attorney Anderson informed the commissioners that unless the project is failing to meet Commission requirements, the Commission cannot deny approval.

Commission Attorney Anderson explained that the Commission identifies water quality goals as part of its policy documents. Design review standards are based on those policy documents. According to the review, the standards seem to be satisfied. Denying the permit could be viewed as arbitrary and capricious given that he could not see from the review standards where denial would be based. The Commission relies on cities to implement policies. In this case, the Commission can work with the city and hope that they will implement more protection for the stream.

Chair Cesnik summarized that if the project meets the floodplain and water quality requirements, the Commission is required to approve. The Commission could have recommendations, but not requirements, on the dog waste issue. Commission Attorney Anderson responded that the Commission can always make recommendations.

Commissioner Harwell expressed concerns about the floodplain, rain events, and the impact of dog waste to water quality. Alternate Commissioner Kennedy asked if there was a pollution mitigation plan in place. Mr. Elholm said that they would be willing to draft such a plan.

Upon a roll call vote, the motion carried 5-1, with the cities of Crystal, Medicine Lake, Minneapolis, New Hope, and Plymouth voting in favor, the city of Golden Valley voting against, and the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

**D. Consider Approval of Internship Agreement**

Administrator Jester, Commissioner Harwell, and Golden Valley staff member Chirpich interviewed Juan Del Valle Lopez for the internship position through Dougherty Family College. The agreement between the city, Commission, and Mr. Lopez was drafted by Commission Attorney Anderson and approved by the City of Crystal last week.

**MOTION:** Commissioner Welch moved to approve the internship agreement. Alternate Commissioner Kennedy seconded the motion. The intern will work 18 hours a week for eight to twelve weeks. A report will be given to the Commission regarding the internship. This will be a time commitment for the Administrator, but it will be worthwhile. The motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

[Commissioner Harwell leaves the meeting.]

**E. Receive Report on Equity in Watershed Management Workshop**

Administrator Jester gave a report on the Equity in Watershed Management Workshop. The great facilitation by Hennepin County Commissioner Fernando was recognized. Seven BCWMC Commissioners, seven BCWMC TAC members, and three BCWMC staff were in attendance and there were 35 attendees in all. The PowerPoint presentations will be posted on a new website for the Watershed Management Plan update. Takeaways include the Commission's need to have an honest discussion about priorities, plan to address equity throughout programs and projects, and form better communication within all communities. This topic could become a subcommittee for Watershed Management Plan development.

**F. Consider Commission Meeting Location and Catering Options**

Chair Cesnik noted that the meeting room was better for today's meeting than it was in April but that it was still difficult to hear everyone. It was noted the group in the room next door meets every Thursday. The disappointment with the meeting room and catering costs were conveyed to the city.

There were no objections to meeting in other locations as long as it is within the BCWMC jurisdictional boundary. There was consensus that the current location does not work well. The Plymouth Maintenance Facility may work. The Plymouth Community Center reconstruction will be done in August. Commissioners were asked to watch emails for meeting locations over the next few months until a long-term solution is found.

**6. COMMUNICATIONS**

**A. Administrative Report**

- i. July Plan Workshop Planning  
Administrator Jester is in the process of setting up the meeting for the Plan Steering Committee of the whole in late July. There was consensus that a late afternoon meeting would work well. Staff was asked to avoid Wednesday meetings.
- ii. Update on Convene Meeting Discussions  
Administrator Jester reported that the first convene meeting for Watershed Based Implementation Funding (WBIF) was held. The purpose was to determine how to partner with Hennepin County and other WMOs in the area. They considered creating an educator position that would be partially funded with WBIF and housed in Hennepin County.
- iii. Haha Wakpadan Community Celebration  
On June 4, there will be a Celebration of the Haha Wakpadan Oral History Project. They are hoping the Commission can be represented at this event. Chair Cesnik and Commissioner Welch will plan to attend.

**B. Chair**

No report was given.

**C. Commissioners**

Commissioner Anderson expressed concern about three cities not having representation at meetings. Administrator Jester explained that it is up to the cities to find and appoint their representatives. She helps them as they request. She will contact the cities about vacancies on the Commission.

**D. TAC Members**

- i. May 4 Meeting Report  
The TAC met on May 4 and discussed XPSWMM modeling. More information will be gathered. The TAC will discuss fees at their next meeting on June 1.
- ii. Next Meeting June 1 – Need Liaison commissioner  
Chair Cesnik will attend.

**E. Committees**

Commissioners heard from the Budget Committee earlier in the meeting. No other reports were given.

**F. Legal Counsel**

No report was given.

**G. Engineer**

- i. Update on Proposed Impaired and Delisted Waters  
Commission Engineer Chandler reported that the Minnesota Pollution Control Agency (MPCA) held a Professional Judgment Group meeting at the end of April. They made their recommendations for the draft 2024 impaired waters list. MPCA is considering five new impairments and one delisting in the watershed. Medicine Lake will not be listed for chloride, although it is close to the impairment threshold. She noted it was good that the engineers were in attendance to provide MPCA with missing data.

**7. INFORMATION ONLY (Information online only)**

- A. BCWMC Administrative Calendar
- B. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet
- D. Wetland Conservation Act Notices
- E. Stormwater Summit [www.wef.org/StormwaterSummit](http://www.wef.org/StormwaterSummit)
- F. Salt Symposium Early Registration [bolton-menk.regfox.com/salt-symposium-2022](http://bolton-menk.regfox.com/salt-symposium-2022)

**8. ADJOURNMENT**

The meeting adjourned at 11:25 a.m.



<b>Bassett Creek Watershed Management Commission</b>						
<b>Statement of Financial Position</b>						
				<b>Capital Improvement Projects</b>	<b>General Fund</b>	<b>TOTAL</b>
<b>ASSETS</b>						
<b>Current Assets</b>						
<b>Checking/Savings</b>						
		101 · Wells Fargo Checking		-136,733.82	219,883.82	83,150.00
		102 · 4MP Fund Investment		3,501,986.62	2,662.75	3,504,649.37
		103 · 4M Fund Investment		2,483,650.36	1,619.76	2,485,270.12
		<b>Total Checking/Savings</b>		<b>5,848,903.16</b>	<b>224,166.33</b>	<b>6,073,069.49</b>
<b>Accounts Receivable</b>						
		111 · Accounts Receivable		0.00	600.67	600.67
		112 · Due from Other Governments		52,806.40	-0.26	52,806.14
		113 · Delinquent Taxes Receivable		11,396.55	0.00	11,396.55
		<b>Total Accounts Receivable</b>		<b>64,202.95</b>	<b>600.41</b>	<b>64,803.36</b>
<b>Other Current Assets</b>						
		114 · Prepays		0.00	2,978.75	2,978.75
		116 · Undeposited Funds		0.00	1,500.00	1,500.00
		<b>Total Other Current Assets</b>		<b>0.00</b>	<b>4,478.75</b>	<b>4,478.75</b>
		<b>Total Current Assets</b>		<b>5,913,106.11</b>	<b>229,245.49</b>	<b>6,142,351.60</b>
<b>TOTAL ASSETS</b>				<b>5,913,106.11</b>	<b>229,245.49</b>	<b>6,142,351.60</b>
<b>LIABILITIES &amp; EQUITY</b>						
<b>Liabilities</b>						
<b>Current Liabilities</b>						
<b>Accounts Payable</b>						
		211 · Accounts Payable		0.00	37,602.75	37,602.75
		<b>Total Accounts Payable</b>		<b>0.00</b>	<b>37,602.75</b>	<b>37,602.75</b>
<b>Other Current Liabilities</b>						
		212 · Unearned Revenue		438,823.00	0.00	438,823.00
		251 · Unavailable Rev - property ta		11,396.55	0.00	11,396.55
		<b>Total Other Current Liabilities</b>		<b>450,219.55</b>	<b>0.00</b>	<b>450,219.55</b>
		<b>Total Current Liabilities</b>		<b>450,219.55</b>	<b>37,602.75</b>	<b>487,822.30</b>
		<b>Total Liabilities</b>		<b>450,219.55</b>	<b>37,602.75</b>	<b>487,822.30</b>
<b>Equity</b>						
		311 · Nonspendable prepays		0.00	2,978.75	2,978.75
		312 · Restricted for improvements		4,562,582.00	0.00	4,562,582.00
		315 · Unassigned Funds		0.00	375,424.57	375,424.57
		32000 · Retained Earnings		1,075,938.11	15,876.48	1,091,814.59
		Net Income		-720,254.78	341,984.17	-378,270.61
		<b>Total Equity</b>		<b>4,918,265.33</b>	<b>736,263.97</b>	<b>5,654,529.30</b>
<b>TOTAL LIABILITIES &amp; EQUITY</b>				<b>5,368,484.88</b>	<b>773,866.72</b>	<b>6,142,351.60</b>
<b>UNBALANCED CLASSES</b>				544,621.23	-544,621.23	0.00

<b>Bassett Creek Watershed Management Commission</b>				
<b>BCWMC May Financial Report - Operating Budget</b>				
	<b>Annual Budget</b>	<b>May 19 - Jun 16, 22</b>	<b>Year to Date</b>	<b>Budget Balance</b>
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
411 · Assessments to Cities	565,998.00	0.00	565,998.00	0.00
412 · Project Review Fees	60,000.00	14,000.00	25,000.00	35,000.00
413 · WOMP Reimbursement	5,000.00	0.00	0.00	5,000.00
414 · State of MN Grants	0.00	0.00	0.00	0.00
415 · Investment earnings	0.00	2,775.99	4,282.51	-4,282.51
416 · TRPD Reimbursement	1,400.00	0.00	0.00	1,400.00
<b>Total Income</b>	<b>632,398.00</b>	<b>16,775.99</b>	<b>595,280.51</b>	<b>37,117.49</b>
<b>Expense</b>				
<b>1000 · Engineering</b>				
1010 · Technical Services	145,000.00	8,261.50	48,232.50	96,767.50
1020 · Development/Project Reviews	75,000.00	7,488.36	46,114.36	28,885.64
1030 · Non-fee and Preliminary Reviews	22,000.00	1,059.50	6,861.00	15,139.00
1040 · Commission and TAC Meetings	14,000.00	1,197.50	4,293.71	9,706.29
1050 · Surveys and Studies	10,000.00	0.00	0.00	10,000.00
1060 · Water Quality / Monitoring	110,000.00	3,556.88	13,132.35	96,867.65
1070 · Water Quantity	8,000.00	0.00	1,633.26	6,366.74
1080 · Annual Flood Control Inspection	12,000.00	3,126.00	6,210.50	5,789.50
1090 · Municipal Plan Review	2,000.00	0.00	0.00	2,000.00
1100 · Watershed Monitoring Program	28,500.00	3,773.59	6,858.81	21,641.19
1110 · Annual XP-SWMM Model Updates	5,000.00	0.00	8,983.50	-3,983.50
1120 · TMDL Implementation Reporting	7,000.00	840.00	892.50	6,107.50
1130 · APM/AIS Work	13,000.00	36,844.06	36,844.06	-23,844.06
1140 · Erosion Control Inspections	0.00	0.00	0.00	0.00
1000 · Engineering - Other		0.00	0.00	0.00
<b>Total 1000 · Engineering</b>	<b>451,500.00</b>	<b>66,147.39</b>	<b>180,056.55</b>	<b>271,443.45</b>
<b>2000 · Plan Development</b>				
2010 · Next Gen Plan Development	18,000.00	4,327.50	11,511.00	6,489.00
2000 · Plan Development - Other		0.00	0.00	0.00
<b>Total 2000 · Plan Development</b>	<b>18,000.00</b>	<b>4,327.50</b>	<b>11,511.00</b>	<b>6,489.00</b>
2017CRM · CIP-Main Stem Cedar Lk Rd-Dupon		0.00	0.00	0.00
<b>3000 · Administration</b>				
3010 · Administrator	70,848.00	5,112.00	26,100.00	44,748.00
3020 · MAWD Dues	7,500.00	0.00	7,500.00	0.00
3030 · Legal	17,000.00	3,019.20	7,945.00	9,055.00
3040 · Financial Management	13,500.00	1,000.00	4,000.00	9,500.00
3050 · Audit, Insurance & Bond	18,700.00	7,793.00	7,793.00	10,907.00
3060 · Meeeting Catering	1,300.00	161.23	702.14	597.86
3070 · Administrative Services	8,000.00	455.01	2,674.65	5,325.35
3000 · Administration - Other		0.00	0.00	0.00
<b>Total 3000 · Administration</b>	<b>136,848.00</b>	<b>17,540.44</b>	<b>56,714.79</b>	<b>80,133.21</b>
<b>4000 · Education</b>				
4010 · Publications / Annual Report	1,300.00	0.00	1,164.00	136.00
4020 · Website	1,800.00	0.00	0.00	1,800.00
4030 · Watershed Education Partnership	18,350.00	0.00	3,850.00	14,500.00
4040 · Education and Public Outreach	28,000.00	0.00	0.00	28,000.00
4050 · Public Communications	1,100.00	0.00	0.00	1,100.00
4000 · Education - Other		0.00	0.00	0.00
<b>Total 4000 · Education</b>	<b>50,550.00</b>	<b>0.00</b>	<b>5,014.00</b>	<b>45,536.00</b>
<b>5000 · Maintenance</b>				
5010 · Channel Maintenance Fund	25,000.00	0.00	0.00	25,000.00
5020 · Flood Control Proj-LT Maint	25,000.00	0.00	0.00	25,000.00
<b>Total 5000 · Maintenance</b>	<b>50,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>50,000.00</b>
<b>Total Expense</b>	<b>706,898.00</b>	<b>88,015.33</b>	<b>253,296.34</b>	<b>503,601.66</b>
<b>Net Ordinary Income</b>	<b>-74,500.00</b>	<b>-71,239.34</b>	<b>341,984.17</b>	<b>-466,484.17</b>
<b>Net Income</b>	<b>-74,500.00</b>	<b>-71,239.34</b>	<b>341,984.17</b>	<b>-466,484.17</b>



Bassett Creek Watershed Management Commission						
BCWMC May Financial Report - CIP						
		Annual Budget	May 19 - Jun 16, 22	Year to Date	Inception to Date Expense	Remaining Budget
<b>Ordinary Income/Expense</b>						
<b>Income</b>						
	BC2,3,8 · DeCola Ponds B&C Improve		0.00	0.00		
	BC23810 · Decola Ponds/Wildwood Park	0.00	0.00	0.00		
	BC5 · Bryn Mawr Meadows	0.00	0.00	0.00		
	BC7 · Main Stem Dredging Project		0.00	0.00		
	BCP2 · Bassett Creek Park & Winnetka	0.00	0.00	0.00		
	ML12 · Medley Park Stormwater Treatment		0.00	0.00		
	ML21 · Jevne Park Stormwater Mgmt	0.00	0.00	0.00		
	NL2 · Four Seasons Mall Area	0.00	0.00	0.00		
	SL1,3 · Schaper Pond Enhancement	0.00	0.00	0.00		
	SL8 · Sweeny Lake Water Quality	0.00	0.00	3,789.48		
	TW2 · Twin Lake Alum Treatment	0.00	0.00	0.00		
	WST2 · Westwood Lake Water Quality	0.00	0.00	0.00		
	<b>Total Income</b>	<b>0.00</b>	<b>0.00</b>	<b>3,789.48</b>		
<b>Expense</b>						
	2017CRM · CIP-Main Stem Cedar Lk Rd-Dupont	1,064,472.00	675.00	596,210.42	728,239.67	336,232.33
	BC-238 · CIP-DeCola Ponds B&C	1,600,000.00	0.00	0.00	1,507,985.31	92,014.69
	BC-2381 · CIP-DeCola Ponds/Wildwood Pk	1,300,000.00	0.00	0.00	56,789.39	1,243,210.61
	BC-5 · CIP-Bryn Mawr Meadows	1,835,000.00	16,294.00	94,325.16	222,159.33	1,612,840.67
	BC-7 · CIP-Main Stem Lagoon Dredging	2,759,000.00	7,005.90	19,667.40	134,421.62	2,624,578.38
	BCP-2 · CIP-Basset Cr Pk & Winnetka	1,123,351.00	0.00	0.00	1,066,648.32	56,702.68
	CL-3 · CIP-Crane Lake Improvement Proj	380,000.00	0.00	0.00	0.00	380,000.00
	Fid2 · Flood Control Long Term Exp	859,123.00	0.00	0.00	0.00	859,123.00
	ML-12 · CIP-Medley Park Stormwater	1,500,000.00	0.00	0.00	87,218.61	1,412,781.39
	ML-20 · CIP-Mount Olive Stream Restore	178,100.00	0.00	0.00	43,157.42	134,942.58
	ML-21 · CIP-Jevne Park Stormwater Mgmt	500,000.00	0.00	1,319.50	56,390.75	443,609.25
	ML-23 · CIP-Purch High Eff St Sweeper	81,600.00	0.00	0.00	0.00	81,600.00
	NL-2 · CIP-Four Seasons Mall	990,000.00	0.00	0.00	185,236.56	804,763.44
	PL-7 · CIP-Parkers Lake Stream Restore	485,000.00	0.00	0.00	70,913.12	414,086.88
	SL-1,3 · CIP-Schaper Pond	612,000.00	3,442.00	9,688.00	3,442.00	608,558.00
	SL-8 · CIP-Sweeney Lake WQ Improvement	568,080.00	881.00	2,833.78	345,538.57	222,541.43
	TW-2 · CIP-Twin Lake Alum Treatment	163,000.00	0.00	0.00	91,037.82	71,962.18
	WST-2 · CIP-Westwood Lake Water Quality	404,500.00	0.00	0.00	404,500.00	0.00
	<b>Total Expense</b>	<b>16,403,226.00</b>	<b>28,297.90</b>	<b>724,044.26</b>	<b>5,003,678.49</b>	<b>11,399,547.51</b>
	<b>Net Ordinary Income</b>	<b>-16,403,226.00</b>	<b>-28,297.90</b>	<b>-720,254.78</b>		
	<b>Net Income</b>	<b>-16,403,226.00</b>	<b>-28,297.90</b>	<b>-720,254.78</b>		

<b>Bassett Creek Watershed Management Commission</b>						
<b>BCWMC May Financial Report - Long Term Accounts</b>						
	<b>Total</b>	<b>Apr 21</b>	<b>Year</b>	<b>Inception</b>		
	<b>Budget</b>	<b>May 19, 22</b>	<b>to-Date</b>	<b>to Date</b>		<b>Remaining Budget</b>
<b>Income</b>						
Fld1 · Flood Control Long Term Maint		0.00	0.00	179,421.90		
Fld2 · Flood Control Long Term Exp	699,980.00	0.00	0.00	484,266.41		
<b>Total</b>	699,980.00	0.00	0.00	-304,844.51		395,135.49
<b>Flood1 · Emergency FCP Income</b>		0.00		0.00		
<b>Flood2 · Emergency FCP Expense</b>	500,000.00	0.00	0.00	0.00		
<b>Total</b>	500,000.00	0.00	0.00	0.00		500,000.00
<b>Gen · Next gen Plan Development Income</b>		0.00	0.00	8,000.00		8,000.00
<b>Gen1 · Next gen Plan Development Exp</b>	30,000.00	0.00		0.00		
<b>Total</b>	30,000.00	0.00	0.00	0.00		38,000.00
<b>Qual · Channel Maintenance Fund</b>		0.00	0.00	20,000.00		
<b>Qual1 · Channel Maintenance Expense</b>	440,950.00	0.00	0.00	267,073.30		
<b>Total</b>	440,950.00	0.00	0.00	-247,073.30		193,876.70
<b>TMDL1 · TMDL Studies Income</b>		0.00				
<b>TMDL2 · TMDL Studies Expense</b>	135,000.00	0.00		107,850.15		
<b>Total</b>	135,000.00	0.00	0.00	-107,850.15		27,149.85





## Memorandum

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4D: Highway 55 and Highway 169 Apartments – Plymouth, MN  
BCWMC June 16, 2022 Meeting Agenda  
**Date:** June 8, 2022  
**Project:** 23270051.53 2022 2286

### 4D Highway 55 and Highway 169 Apartments – Plymouth, MN BCWMC 2022-07

#### Summary:

**Project Proposer:** Doran Companies  
**Proposed Work:** 176-unit Apartment Building  
**Basis for Review at Commission Meeting:** Fill in the floodplain  
**Impervious Surface Area:** Increase approximately 0.2 acres  
**Project Schedule:** August 2022 Construction  
**Recommendation for Commission Action:** Approval

#### General Project Information

The proposed project is in the Bassett Creek Main Stem subwatershed at 10000 State Highway 55 in Plymouth. The existing parcel includes a vacant commercial parking lot and building. The proposed project includes the redevelopment of only the parking lot to build an apartment building, parking lot, sidewalks, and stormwater management features resulting in 3.04 acres of disturbance. The proposed project creates 1.70 acres of new and fully reconstructed impervious surfaces, including 1.50 acres of fully reconstructed impervious surfaces and an increase of 0.20 acres of impervious surfaces from 1.50 acres (existing) to 1.70 (proposed).

The initial submittal was received April 6, 2022. The BCWMC engineer reviewed the submittal and provided comments to the City and applicant on April 28, 2022 and June 2, 2022. The applicant addressed the comments and submitted revised plans and supporting documentation on May 25, 2022 and June 6, 2022.

#### Floodplain

The proposed project includes work in the BCWMC (Basset Creek Main Stem) 100-year floodplain. The 1% annual-chance (base flood elevation, 100-year) floodplain elevation of Basset Creek Main Stem near the proposed project site is 888.6 feet NAVD88 (approximately 888.8 feet NAVD88 based on the draft 2021 model update). The February 2021 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least

a precision of 0.00 feet). The proposed project will result in approximately 1,070 cubic yards of floodplain fill and approximately 1,080 cubic yards of compensating storage, resulting in a net gain of approximately 10 cubic yards of floodplain storage. The BCWMC also requires that minimum building elevations be at least two feet above the 100-year floodplain elevation. For the proposed building, the minimum building elevation is 893.50, which is 4.7 feet above the 100-year floodplain elevation, meeting the two-foot minimum requirement.

## Wetlands

According to the applicant, the proposed project does involve work within wetland buffers adjacent to wetlands and will result in temporary impacts from construction. The City of Plymouth is the local government unit (LGU) responsible for administering the Wetland Conservation Act; therefore, BCWMC wetland review is not required.

## Rate Control

The Requirements document states that projects that create more than one (1) acre of new or fully reconstructed impervious area *must manage stormwater such that peak flow rates leaving the site are equal to or less than the existing rate leaving the site for the 2-, 10-, and 100-year events, based on Atlas 14 precipitation amounts and using a nested 24-hour rainfall distribution.*

In both existing and proposed conditions, all stormwater runoff from the site eventually discharges to Bassett Creek. In proposed conditions, the best management practices reduced peak discharge rates. Table 1 summarizes the existing and proposed peak discharge rates for the proposed project as provided by the applicant and shows that the proposed stormwater management system meets the BCWMC rate control requirements.

**Table 1: Existing and Proposed Peak Discharge Rates**

	2-Year Peak (cfs)	10-Year Peak (cfs)	100-Year Peak (cfs)
Existing Direct to Bassett Creek	1.9	3.9	8.7
Proposed Direct to Basset Creek	1.0	2.8	8.5
Existing to Stormwater Pond	6.0	9.9	18.5
Proposed to Stormwater Pond	3.0	5.0	7.7

## Water Quality

The Requirements document states that projects on sites without restrictions *that create one or more acres of new and/or fully reconstructed impervious surfaces shall capture and retain on-site 1.1 inches of runoff from the new and/or fully reconstructed impervious surfaces.* If the applicant is unable to achieve the performance goals due to site restrictions, the BCWMC Flexible Treatment Options approach shall be used, following the BCWMC Design Sequence Flow Chart.

As noted, the proposed project creates 1.7 acres of new and fully reconstructed impervious area. The proposed site is constrained due to the presence of high groundwater and predominantly clay and organic soils. Due to these site constraints, the applicant is unable to meet the BCWMC performance goal or Flexible Treatment Option (FTO) #1. FTO #1 requires a volume reduction of 0.55 inches and removing 75% of the annual total phosphorus (TP) load from new and/or fully reconstructed impervious surfaces. The applicant followed the BCWMC Design Sequence Flow Chart and determined that the proposed project must meet FTO #2. FTO #2 requires that the proposed project remove 60% of the annual TP load

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4D: Highway 55 and Highway 169 Apartments – Plymouth, MN  
**Date:** June 8, 2022  
**Page:** 3

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from the new and/or fully reconstructed impervious surfaces. The applicant proposed a new stormwater pond, vegetated swale with check dams, and a rain garden (filtration basin). The annual TP removal provided by the proposed BMPs will remove more than 60% of annual TP, meeting FTO #2.

### **Erosion and Sediment Control**

The proposed project results in more than 10,000 square feet of land disturbance; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include silt fence, inlet protection, and rock construction entrance. Permanent erosion and sediment control features include erosion control blanket and stabilization with sod or seed and mulch.







### **Recommendation**

Approval





Project Location

-  Project Location
-  Municipality
-  BCWMC Legal Boundary
-  Major Subwatershed
-  BCWMC Hydrologic Boundary
-  Bassett Creek



0 250 500 Feet



BCWMC #2022-07  
 HIGHWAY 55 &  
 HIGHWAY 169  
 APARTMENTS  
 Plymouth, MN  
 LOCATION MAP





## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 5A – Consider Approval of 90% Design Plans for 2021 Main Stem Lagoon Dredging Project (2021 CIP Project BC-7) -- BCWMC June 16, 2022 Meeting Agenda  
**Date:** June 8, 2022  
**Project:** 23271860.00

### **5A Consider Approval of 90% Design Plans for 2021 Main Stem Lagoon Dredging Project, Golden Valley (2021 CIP Project BC-7)**

#### **Recommendations:**

- 1) Consider approval of 90% drawings
- 2) Authorize Commission Engineer to continue design, permitting, and coordination with BCWMC attorney, and bring final design plans and specifications and agreements to a future Commission meeting for approval to bid the project
- 3) Authorize Commission Engineer to perform additional survey in the creek channel between Lagoons E and D, and a verification survey in the lagoons

#### **Background**

The Bassett Creek Watershed Management Commission (BCWMC) is funding the \$2,759,000 "Dredge Accumulated Sediment in the Main Stem of Bassett Creek in Wirth Park Project" (Main Stem Lagoon Dredging Project) (2021 CIP Project BC-7):

- \$2,434,000 funded through a combination of CIP levies collected in tax years 2021 – 2024 and up to \$800,000 in BCWMC closed project account funds,
- Remaining \$325,000 funded through grants – \$250,000 Watershed Based Implementation Funding and \$75,000 Hennepin County Opportunity Grant funding.

Unlike most CIP projects where the BCWMC enters into an agreement with a member city to design and construct the project, the BCWMC is designing and constructing this project, in close coordination with the Minneapolis Park and Recreation Board, the City of Minneapolis, and the City of Golden Valley. At their November 2020 meeting, the Commission approved a timeline for implementation and directed the Commission Engineer to prepare a scope of work for project design and engineering. The Commission approved the engineering scope and budget at their January 2021 meeting.

The Commission Engineer completed the 90% design plans. Pursuant to the approved work scope, the Commission must review and approve the design plans.



**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 5A – Consider Approval of 90% Design Plans for 2021 Main Stem Lagoon Dredging Project (2021 CIP Project BC-7) -- BCWMC June 16, 2022 Meeting Agenda  
**Date:** June 8, 2022  
**Page:** 2

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## **Selected Project and Design features – 90% plans**

The Commission approved the Main Stem Lagoon Dredging Project Feasibility Study in May 2020 and selected implementation of Alternative 2-all (dredge all three lagoons to 6-foot depth).

This project will remove 39,600 cubic yards (CY) of accumulated sediment from three of seven “lagoons” created along the Main Stem of Bassett Creek in Theodore Wirth Regional Park, between Golden Valley Road and Highway 55 (Figure 1). These lagoons were originally created in the mid-1930s by Civilian Conservation Corps crews. The project will improve flow capacity, floodplain storage, and habitat, and will result in significant water quality improvements by removing an estimated 600 lbs/year of total phosphorus and 156,000 lbs/year of total suspended solids which currently flow downstream through the Bassett Creek Valley and into the Mississippi River.

Based on testing conducted during the feasibility study, the excavated sediment is considered contaminated and must be disposed at a landfill. Despite the higher sediment disposal costs, the project results in a low cost per pound pollutant removal of only \$226/pound of total phosphorus.

The feasibility report for the project formed the basis for the project design, and there are no material differences from the feasibility level concepts. The feasibility report and further project information can be found online at <https://www.bassettcreekwmo.org/index.php?cID=506>.

The 50% design plans for this project were approved in December 2021. Unless otherwise noted, there are no changes from the 50% plans. The primary design features of the proposed work, as shown on the attached 90% plans, include:

- 1) Pond dredging. As noted above, the project will remove 39,600 CY of accumulated sediment to deepen Lagoons D, E, and F to a depth of 6 feet (Figure 1). The project will re-establish an aesthetic and function similar to the original design from the 1930's. Based on concentrations of polycyclic aromatic hydrocarbons (PAH) (as BaP equivalents) and diesel range organics (DRO), sediment in all three lagoons does not meet MPCA guidelines for Unregulated Fill (MPCA, 2012), indicating it is not suitable for unrestricted offsite reuse. In addition, BaP equivalents are above the MPCA Industrial Soil Reference Values (SRV), indicating the sediments are not suitable for reuse at other commercial or industrial properties. Based on the sediment sampling results and MPCA guidelines, the dredged material will require landfill disposal. Pond side slopes will be 4H:1V starting approximately at the normal water level. The intent is to avoid disturbing the existing banks. The design does not incorporate a bench.

*(Update - no design change)* A resident provided comments requesting that flattened benches (either aquatic (below the normal water level) or access (above the normal water level)) be considered around the perimeter of the lagoons. We reviewed the various design and permit considerations, and discussed with MPRB (property owner), City of Golden Valley (WCA LGU), and the BCWMC administrator. Based on those reviews and discussions, the BCWMC Engineer does not recommend adding benches to the lagoons.

*(Update – no design change)* A resident provided comments requesting installation of wildlife fencing along Highway 55 to mitigate wildlife crossing the highway due to disruptions from this project (specifically related to otters). We reviewed the request and discussed with MPRB staff. Highway 55 is roughly 2,000 feet south of the project site. The animal traffic patterns to cross Highway 55 noted by the resident were direct access from the adjacent natural areas, and along the railroad passing under Highway 55. Due to the relatively large distance between the southernmost portion of the dredging project and Highway 55, we determined (and MPRB staff agreed) that any wildlife temporarily displaced by the dredging project would have significant adjacent natural areas to occupy and move around the project site, and that the construction activities would not force any wildlife to cross Highway 55 in lieu of their current travel patterns. MPRB staff noted that Highway 55 may need better wildlife crossings, but that any improvement should be undertaken by the Minnesota Department of Transportation.

*(Update – potential design change)* We performed our survey/bathymetry of the lagoons in September 2019, as part of the feasibility study; at the time of construction, this survey will be over 3 years old. Because the creek is a dynamic system, it is possible that additional deposition may have occurred since the survey. To improve the accuracy of our dredging quantity estimates and potentially avoid any contractor disputes, we recommend performing an updated topographic/bathymetry survey of the lagoons to verify existing grades. We would perform this survey prior to final design and we would include any updates to the dredging quantity in the final plans, specifications, and cost estimate. No additional budget is needed to perform this survey.

- 2) Construction access for Lagoons E and F will be from Theodore Wirth Parkway, and for Lagoon D will be through the creek channel between lagoons E and D, passing under the Plymouth Ave bridge.

*(Change from 50% plans)* The Grand Rounds trail, which was planned as the access for Lagoon D dredging, crosses onto BNSF railroad property along Lagoons D and E. Through discussions with MPRB we confirmed that there is no existing easement or access agreement between MPRB and BNSF. Based on MPRB preference to avoid trail impacts from construction, unrelated MPRB negotiations with BNSF, and discussion with MDNR staff, we elected to modify access to Lagoon D to use the creek channel between Lagoon E and Lagoon D rather than the trail. As part of this design change, we need to collect additional survey data between Lagoon E and Lagoon D (ideally during low water levels). Using the survey results, we will prepare detailed design information related to this access route and will add it to the plans for the bid package (i.e., at 100% design). No additional budget is needed to perform this survey. Discussion on permitting-related impacts of this change can be found in the MDNR permit section below.

- 3) Restoration. Construction access points would be restored to existing conditions either as turf grass or matching existing buffer vegetation. There is a narrow strip around the lagoon perimeters that would be seeded with a wetland mix (or other appropriate native seed mix) and covered with erosion control blanket. With the exception of construction access, construction will not disturb the existing vegetative buffer around the ponds, so the design does not include buffer restoration.

*(Change from 50% plans)* We are currently in discussions with MPRB staff about converting a turf grass area near Lagoon F to a pollinator lawn. We assume that costs of the installation and a specified establishment and maintenance period would be included in the project costs. The proposed pollinator lawn area is shown on the 90% restoration plan (pending MPRB approval).

- 4) Previous BCWMC Main Stem stream restoration project. The construction will avoid the previous stream restoration project as much as possible. There will be minor impacts due to the change in construction access through the channel between Lagoons E and D. We will modify the design plans to show the location(s) of the stream restoration area, with direction to the contractor to avoid these areas during construction.

*(Update – no design change)* A site visit is planned if/when water levels in the creek are low enough to inspect the extent and condition of previous stream restoration features. We will add any necessary revisions to the 100% plans.

- 5) Streambank erosion repairs. The minor erosion on the streambanks identified in the feasibility study at the upstream end of Lagoon E (riprap repair) and along the left bank of Lagoon D (live stakes) are relatively small and will be repaired as part of the larger dredging project. These improvements are shown on the 90% plans.

## Opinion of cost

The table below summarizes our opinion of costs, based on the 90% design plans:

**Table 1 Opinion of Cost Summary – Deepen ALL Lagoons to 6 Feet**

Description	Unit	Estimated Quantity	Unit Price	Extension
Mobilization / Demobilization	LS	1	\$160,000.00	\$160,000.00
Erosion & Sediment Control	LS	1	\$20,000.00	\$20,000.00
Control of Water / Dewatering	LS	1	\$70,000.00	\$70,000.00
Remove and Dispose Dredged Material at Landfill	CY	39,600	\$50.00	\$1,980,000.00
Natural Bank Stabilization	LF	100	\$56.00	\$5,600.00
Riprap Bank Stabilization	CY	20	\$150.00	\$3,000.00
Restoration	LS	1	\$5,000.00	\$5,000.00
Construction Subtotal				\$2,243,600.00
Construction Contingency (10%)				\$224,360.00
<b>Construction Total w/ Contingency</b>				<b>\$2,467,960.00</b>
<b>ESTIMATED ACCURACY RANGE</b>		<b>-10%</b>		<b>\$2,020,000.00</b>
		<b>+20%</b>		<b>\$2,693,000.00</b>
Engineering				\$238,000.00
MPRB Parkway Permit Type IV Fees				\$20,000.00
<b>Total w/ Engineering &amp; Permit Fees</b>				<b>\$2,725,960.00</b>

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 5A – Consider Approval of 90% Design Plans for 2021 Main Stem Lagoon Dredging Project (2021 CIP Project BC-7) -- BCWMC June 16, 2022 Meeting Agenda  
**Date:** June 8, 2022  
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The 90% design estimated project cost shows an increase of \$18,960 over the 50% design cost (\$2,707,000). Most of the increase is due to an increase in the assumed cost of control of water / dewatering. We also elected to include construction contingency in the estimate until we complete our verification survey of dredging quantities. The 90% total estimated project costs, including design, engineering, and permitting fees, are within the overall project budget.

## **Stakeholder Engagement**

We continued coordination and outreach during design, and are planning for additional engagement through final design and during construction of this project. Our coordination efforts include the following groups:

1. Project stakeholders: BCWMC Commissioners, BCWMC staff, Minneapolis Park and Recreation Board, City of Golden Valley and City of Minneapolis, and Loppet Foundation.
2. Public – we will coordinate with the project stakeholders (especially MPRB) to reach two subsets of the public to inform them about the project:
  - a. Neighborhood residents – This will include outreach to nearby neighborhood associations (Harrison, Bryn Mawr, Northside Residents Redevelopment Council) and articles in neighborhood newsletters and local newspapers about the project and links to the MRPB webpage, which will include an option to sign up for automatic email updates.
  - b. Park users, including winter (skier) users and users during other seasons - This will include coordination with the Loppet Foundation and signage in the park with QR codes directing the public to webpages. Both BCWMC and MPRB will maintain a project webpage with timely updates, especially during construction. As noted above, the MRPB webpage will include an option to sign up for automatic email updates.

## **Approvals/permit requirements**

In addition to BCWMC approval of the plans, the following permitting and approvals are required for the project.

- 1) Minnesota Wetland Conservation Act (WCA) Approval – The City of Golden Valley is the Local Government Unit (LGU) for this location and is responsible for administering WCA for the Project. On behalf of the BCWMC, we submitted a permit application requesting a no-loss wetland determination to the LGU on April 13, 2022. The LGU reviewed the permit application materials and approved the project under the WCA no-loss criteria 8420.0415 (H) on May 5, 2022. No further WCA permitting is required.
- 2) US Army Corps of Engineers (USACE) permit (Section 404 Permit and Section 401 Certification) – On behalf of the BCWMC, we submitted a joint permit application to both the LGU and the USACE on April 13, 2022. The USACE indicated the project would fall under a USACE Nationwide Permit if the project can be performed through excavation only (i.e., no grading or filling). The USACE is currently reviewing the permit application materials.

- a) State Historic Preservation Office (SHPO) – The USACE initiated consultation with SHPO as part of the Section 404 permitting process. The Commission Engineer previously initiated consultation with SHPO during the Environmental Assessment Worksheet process. During the EAW process, SHPO concluded that there are no known or suspected archaeological properties located in the area that will be affected by this project.
- 3) Minnesota Department of Natural Resources (MDNR) public waters work permit – Bassett Creek is a public watercourse and Lagoon E is a public water (MDNR #27065100P), so the proposed work will require a MDNR public waters work permit. We met with the MDNR area hydrologist to review the project prior to the permit application submittal. We specifically discussed the revised access between Lagoons E and D, and the area hydrologist indicated this would be permissible. At the MDNR’s request, we developed a cover letter and provided an updated plan set as attachments to the application submitted on May 2, 2022. A permit fee of \$3,000 was paid and the 30-day comment period is anticipated to begin in June 2022. The permit is expected to be issued after the BCWMC responds to comments and provides any additional requested information to the MDNR.
- Based on Minn. R. 6115.0201, this permit requires documentation that “A public need for the excavation has been established by local governmental resolution specifying the public interests to be improved or enhanced, except where the project is state sponsored.” The MDNR hydrologist confirmed that the BCWMC Resolution No. 20-06 ordering the project (BC-7) fulfils this requirement.
- 4) Environmental Assessment Worksheet (EAW) – Minnesota Rules Section 4410.4300, Mandatory EAW Categories, Subp. 27A require preparation of an EAW for “projects that will change or diminish the course, current, or cross-section of one acre or more of any public water or public waters wetland.” Based on these requirements, an EAW was required for the project. The City of Golden Valley is the Regional Government Unit (RGU) for preparing the EAW. The Commission Engineer prepared the EAW, the Commission approved the EAW at their October 2021 meeting, and the City of Golden Valley subsequently approved the EAW. As the RGU, the city publicly noticed the EAW and the Commission Engineer submitted the EAW (on behalf of the RGU) to the Minnesota Environmental Quality Board (EQB) for a 30-day comment period on November 24, 2021. Comments on the EAW were received through December 30, 2021. Comments were received from five state agencies and one local resident. The Commission Engineer provided a response to all comments and a Findings of Fact to the RGU. The RGU approved the Findings of Fact and made a negative declaration stating the project does not require the preparation of an Environmental Impact Statement. The [Findings of Fact and Record of Decision](#) was submitted to the EQB on January 19, 2022.
- 5) Minnesota Pollution Control Agency (MPCA) permitting – as currently designed, this project does not disturb more than one (1) acre of upland and therefore would not require a permit or a stormwater pollution prevention plan (SWPPP). However, the design follows the MPCA guidelines for erosion and sediment control. If the scope of construction changes and the one-acre threshold of upland disturbance is exceeded, a SWPPP would be prepared and the contractor would apply for this permit.

- 6) MPRB construction permit – The MPRB requires a construction permit for construction related activities on parkland/parkway; the MPRB Planning Services Division administers the permit process. The contractor will prepare and submit these permit applications after the Notice of Award. This permit represents the contractor’s formal agreement with MPRB for the contractor’s access/use of the site, which includes additional insurance requirements.
- 7) MPRB parkway permit (type IV) – The MPRB requires a separate parkway permit due to the high volume of truck traffic on Theodore Wirth Parkway. As part of this permit, the MPRB requires that a pre-construction and post-construction evaluation of the pavement be performed. The evaluation requires specific pavement testing performed by an independent testing agency. Based on the results of that testing, the MPRB assesses a fee to the project for any deterioration/degraded lifespan caused by construction traffic. After consulting with the BCWMC attorney, we determined that the pavement evaluation costs and associated fees could be invoiced to the BCWMC and paid directly by the BCWMC. The MPRB has a master services agreement with a testing consultant and can administer the pavement evaluations. The estimated cost of testing is \$8,000 (about \$4,000 each for the pre- and post-construction evaluations), and the estimated cost of the fee is \$12,000.

We met with MPRB staff and worked through most remaining comments on construction access, parking, and use/restoration of the parkway and trails; we included the resulting revisions in the 90% plans. We are still coordinating with the BCWMC attorney and MPRB real property administrator regarding a formal access agreement for the BCWMC/Engineer. We understand that this MPRB/BCWMC agreement will require formal MPRB approval. This process is estimated to take approximately 2 months, and would start after completion of 100% plans.

- 8) City of Golden Valley stormwater management permit – The City of Golden Valley requires a Stormwater Management Permit for land-disturbing activities that remove soils or vegetation, including but not limited to clearing, digging, dredging, draining, or filling. This project exceeds the thresholds that trigger this permit. We will prepare and submit this permit application. The city requires preservation or maintenance of native or natural vegetation buffers along streams and around wetlands. Since 50% design, we coordinated with the Golden Valley staff and confirmed that, as long as the buffers are not disturbed, the existing buffers meet their requirements. Lagoons E and F will have some buffer disturbance and will be restored in-kind. Golden Valley staff indicated that, where feasible, they would like to see buffers expanded or improved. The potential addition of a pollinator lawn (above) is a result of this request from Golden Valley staff.

## Schedule

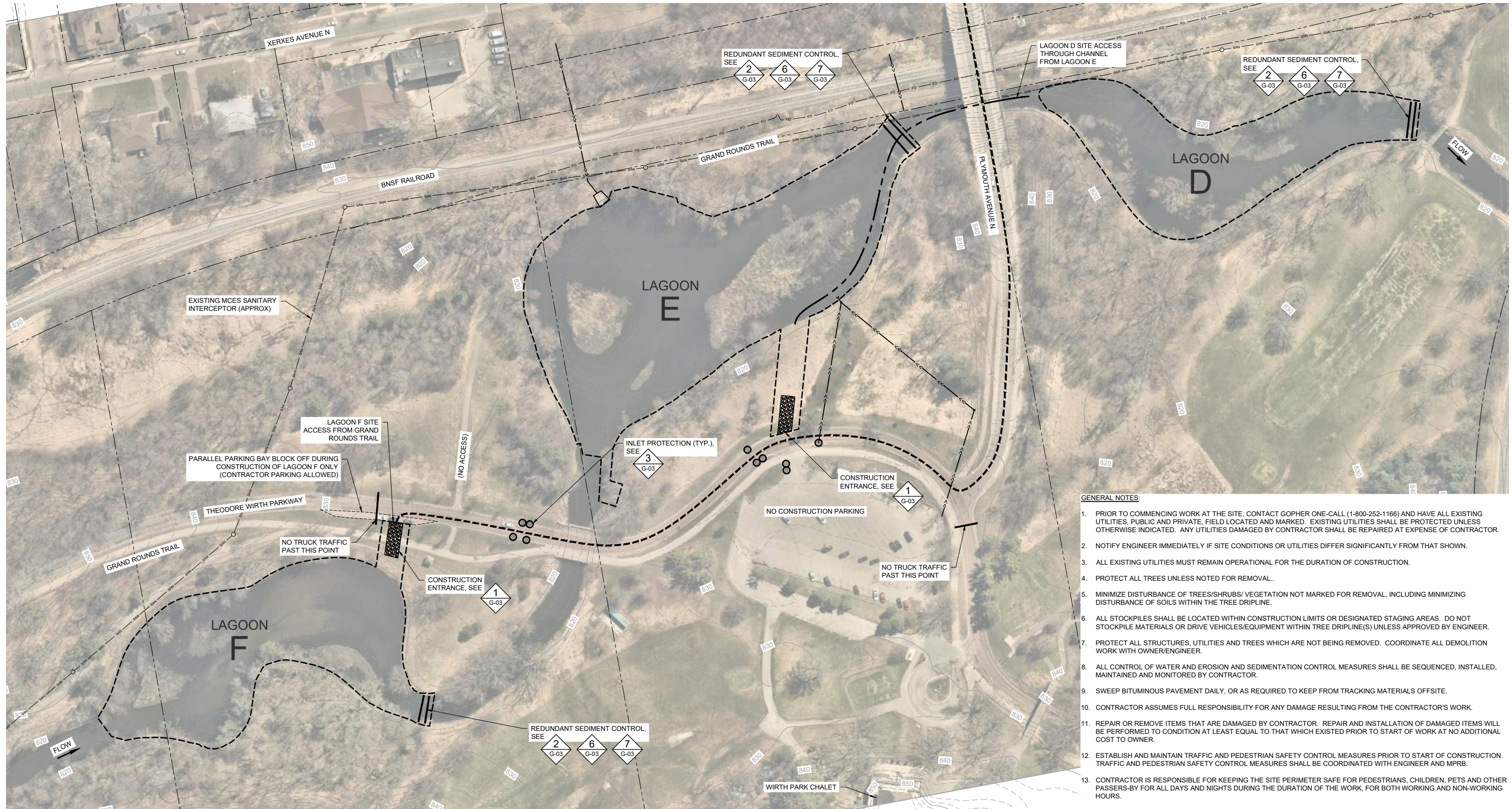
Dredging of all three lagoons (D, E, and F) is planned for winter 2022-2023. The table below summarizes the anticipated schedule.

Tasks and milestones	Estimated Schedule
Design – complete 50% plans and opinion of cost for Commission review and approval and agency permitting	Approved at December 2021 Commission meeting
Permitting	Ongoing through Spring/Summer 2022
Public engagement (Inform) and communications with stakeholders	January 2022 through construction
Design – complete 90% plans, specifications, and opinion of cost for Commission review and approval	June 2022 Commission meeting
Design – complete 100% plans specifications, and opinion of cost for Commission review and approval/authorize project to go out for bids	August 2022 Commission meeting
Bidding	September/October 2022
Commission meeting to award the bid	October 2022 Commission meeting
Construction	Winter 2022 – 2023
Record drawings, final restoration, project closeout	Spring/Summer 2023

## Recommendations

- A) Consider approval of 90% drawings
- B) Authorize Commission Engineer to continue design, permitting, and coordination with BCWMC attorney, and bring final design plans and specifications and agreements to a future Commission meeting for approval to bid the project.
- C) Authorize Commission Engineer to perform additional survey in the creek channel between Lagoons E and D, and a verification survey in the lagoons.





**GENERAL NOTES:**

1. PRIOR TO COMMENCING WORK AT THE SITE, CONTACT GOPHER ONE-CALL (1-800-252-1166) AND HAVE ALL EXISTING UTILITIES, PUBLIC AND PRIVATE, FIELD LOCATED AND MARKED. EXISTING UTILITIES SHALL BE PROTECTED UNLESS OTHERWISE INDICATED. ANY UTILITIES DAMAGED BY CONTRACTOR SHALL BE REPAIRED AT EXPENSE OF CONTRACTOR.
2. NOTIFY ENGINEER IMMEDIATELY IF SITE CONDITIONS OR UTILITIES DIFFER SIGNIFICANTLY FROM THAT SHOWN.
3. ALL EXISTING UTILITIES MUST REMAIN OPERATIONAL FOR THE DURATION OF CONSTRUCTION.
4. PROTECT ALL TREES UNLESS NOTED FOR REMOVAL.
5. MINIMIZE DISTURBANCE OF TREES/SHRUBS/ VEGETATION NOT MARKED FOR REMOVAL, INCLUDING MINIMIZING DISTURBANCE OF SOILS WITHIN THE TREE DRIPLINE.
6. ALL STOCKPILES SHALL BE LOCATED WITHIN CONSTRUCTION LIMITS OR DESIGNATED STAGING AREAS. DO NOT STOCKPILE MATERIALS OR DRIVE VEHICLES/EQUIPMENT WITHIN TREE DRIPLINE(S) UNLESS APPROVED BY ENGINEER.
7. PROTECT ALL STRUCTURES, UTILITIES AND TREES WHICH ARE NOT BEING REMOVED. COORDINATE ALL DEMOLITION WORK WITH OWNER/ENGINEER.
8. ALL CONTROL OF WATER AND EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE SEQUENCED, INSTALLED, MAINTAINED AND MONITORED BY CONTRACTOR.
9. SWEEP BITUMINOUS PAVEMENT DAILY, OR AS REQUIRED TO KEEP FROM TRACKING MATERIALS OFFSITE.
10. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ANY DAMAGE RESULTING FROM THE CONTRACTOR'S WORK.
11. REPAIR OR REMOVE ITEMS THAT ARE DAMAGED BY CONTRACTOR. REPAIR AND INSTALLATION OF DAMAGED ITEMS WILL BE PERFORMED TO CONDITION AT LEAST EQUAL TO THAT WHICH EXISTED PRIOR TO START OF WORK AT NO ADDITIONAL COST TO OWNER.
12. ESTABLISH AND MAINTAIN TRAFFIC AND PEDESTRIAN SAFETY CONTROL MEASURES PRIOR TO START OF CONSTRUCTION. TRAFFIC AND PEDESTRIAN SAFETY CONTROL MEASURES SHALL BE COORDINATED WITH ENGINEER AND MPRB.
13. CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE PERIMETER SAFE FOR PEDESTRIANS, CHILDREN, PETS AND OTHER PASSERS-BY FOR ALL DAYS AND NIGHTS DURING THE DURATION OF THE WORK, FOR BOTH WORKING AND NON-WORKING HOURS.
14. PROVIDE A CONTINUOUS, ACCESSIBLE, AND SAFE PEDESTRIAN WALKWAY THAT MEETS ADA AND MN MUTCD STANDARDS IF WORKING IN A SIDEWALK AREA, AND TRAFFIC CONTROL PER MN MUTCD REQUIREMENTS FOR THE WORK IN THE PUBLIC RIGHT OF WAY AREA.
15. COORDINATE ALL WORK AND SITE ACCESS WITH ROADWAY WEIGHT RESTRICTION REGULATIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING TEMPORARY ACCESS PERMITS, IF REQUIRED.

**1 PLAN: SITE ACCESS, REMOVALS, AND EROSION CONTROL PLAN**



CADD USER: Patrick E. Brockamp; FILE: M:\DESIGN\23271860\_00\23271860\_G-02.DWG; PLOT SCALE: 1:3,849; PLOT DATE: 08/02/22 4:13 PM

NO.	BY	CHK	APP.	DATE	REVISION DESCRIPTION

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

PRINTED NAME: **PATRICK E. BROCKAMP**

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_ LICENSE # 54931

REVIEW	11/23/21	12/09/21	05/02/22	08/08/22			
BID							
CONSTRUCTION RECORD							
RELEASED TO/FOR	A	B	C	D	0	1	2
DATE RELEASED							

**BARR** Engineering Co.  
 4300 MARKETPOINTE DRIVE  
 SUITE 200  
 MINNEAPOLIS, MN 55435  
 Ph: 1-800-632-2277  
 Fax: (952) 832-2601  
 www.barr.com

Scale	AS SHOWN
Date	06/08/2022
Drawn	ADB2
Checked	PEB
Designed	BARR
Approved	PEB

**BASSETT CREEK WATERSHED MANAGEMENT COMMISSION**  
 GOLDEN VALLEY, MINNESOTA

**MAIN STEM LAGOON DREDGING PROJECT**  
 GOLDEN VALLEY, MINNESOTA

**SITE ACCESS, REMOVALS, AND EROSION CONTROL**

BARR PROJECT No. 23/27-1860.00	
CLIENT PROJECT No.	
DWG. No. G-02	REV. No. D

**FIGURE 1**  
 90% DRAFT  
 FOR REVIEW





## 2023 Recommended Maximum Levy Request to Hennepin County

Project Name	City	Number	2021	2022	2023	2024	Other Funding	Total Project Cost
SEA School - Wildwood Park Flood Reduction Project (Medicine Lake Rd & Winnetka Ave Long Term Flood Mitigation Plan Project)	Golden Valley	BC-2,3,8, 10		\$300,000	\$1,000,000		\$1,800,000 (MnDNR and City Funds)	\$3,100,000
Medley Park Stormwater Treatment Facility	Golden Valley	ML-12		\$400,000	\$150,000	\$800,000	\$800,000 (Clean Water Fund Grant and City Funds)	\$2,150,000
Water quality improvements in Bryn Mawr Meadows Park	MPLS	BC-5	\$512,000 (2020 & 2021)	\$0	\$923,000		\$400,000 (Clean Water Fund Grant)	\$1,835,000
Dredging accumulated sediment in Main Stem Bassett Creek Lagoons, Wirth Park	Golden Valley & MPLS	BC-7	\$600,000	\$1,100,000	\$534,000	\$200,000	\$325,000 (Clean Water Fund and Hennepin County Grants)	\$2,759,000
TOTAL Estimated BWCMC Costs					\$2,607,000	Incomplete list	\$3,325,000*	\$9,844,000
Use of BCWMC Closed Project Funds					-\$400,000			
<b>TOTAL Max Levy</b>					<b>\$2,207,000</b>			

For reference: 2022 Levy = \$1,700,000

\*Approximately 30% of total project costs are leveraged from other sources





## Bassett Creek Watershed Management

### MEMO

To: BCWMC Commissioners and Alternate Commissioners  
From: Laura Jester, Administrator  
Date: June 8, 2022

**RE: Minnesota Association of Watershed District (MAWD) Membership**

At the May meeting, commissioners discussed the Budget Committee's recommendation to end BCWMC's membership in MAWD, thus saving \$7,500 in dues expenses. I was directed to discuss BCWMC's concerns about high dues relative to the membership benefits gained with MAWD's Executive Director, Emily Javens.

After a good discussion with Emily, further review of MAWD's advocacy work, understanding the opportunities MAWD offers to provide input on State and local watershed priorities, and knowing the importance of representation and opportunities for training, I recommend the BCWMC remain a MAWD member.

Emily provided good examples of how MAWD not only lobbies for legislative priorities (many for non-Metro issues, but also for Metro issues), but also closely monitors and crafts counter-arguments to potential lawsuits, policy, and legislation that could weaken or remove watershed authorities. MAWD is working to strengthen partnerships and collaboration with State agencies and other organizations, and they are refining the resolutions process to avoid lengthy and convoluted annual meetings where resolutions are presented and voted on.

MAWD's new strategic plan is currently being drafted with the primary goals of communicating better with members, providing more support for member needs and priorities, and improving partnerships with other agencies and organizations. A draft of the strategic plan will be available later this summer for review by the whole membership. (It should be noted that all members had an opportunity to provide input to the strategic plan through a survey proctored earlier this year.) Further, members are encouraged to participate on MAWD committees to help improve MAWD functions and impact. The opportunities for being involved with and helping to improve MAWD are certainly there.

Additionally, the current BCWMC recording secretary, Jan Voit (who attended our online meetings and now prepares minutes from recordings), has 38 years of experience working for watersheds in greater Minnesota and was a long-standing watershed administrator before retiring. Not only is she our recording secretary, she also contracts with MAWD to work on special projects. After hearing the discussion about MAWD at the May meeting, she offered her perspectives on the issue, citing many reasons (similar to those above) for BCWMC to remain in MAWD. Among her many good thoughts and observations, she offered a perspective on dues, noting that for many out-state watersheds, member dues are more than 2% of their budgets because they are limited by law in the amount of funding they can raise from property taxes. She also cited the availability of trainings, the work to improve the resolutions process, and the fact that MAWD aims to balance work for both out-state and Metro watersheds.

A flyer from MAWD with member benefits is shown below. Additional reports and documents can be found at <https://www.mnwatershed.org/>. (And I have more reports and documents from Emily if you're interested in reviewing them.)

I think having representation in the broader organization that advocates for watersheds, works to improve State policies, provides education and training, and works to improve partnerships is important. It is also nice to have a "seat at the table" when it comes to providing input on watershed work, priorities, and policy. I recommend keeping a budget line for MAWD membership in the 2023 budget and consider staying in the organization at this time.

## MEMBER BENEFITS

MN Association of Watershed Districts, 595 Aldine St., St. Paul MN 55104  
(651) 440-9407 office | [www.mnwatershed.org](http://www.mnwatershed.org) | @mnwd46 | [facebook.com/mnwd46](https://facebook.com/mnwd46)



*Land and Water Shall be Preserved*

### What is the Minnesota Association of Watershed Districts?

The Minnesota Association of Watershed Districts (MAWD) is a non-profit organization that represents the local governments that focus on the management of water on watershed boundaries rather than political boundaries such as those of cities and counties. Members benefit from having an organization that provides a **unified voice for watershed management** and works diligently to maximize the availability of the tools and resources that allow members to most effectively and efficiently meet their water management goals. Primary areas of focus include providing education and training opportunities, lobbying and advocacy services, and regular communications.

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### Education and Training for Watershed Managers and Staff



Every year, MAWD provides members with opportunities to learn from other members, as well as industry experts, at a variety of workshops, a summer tour, and an annual convention and trade show. Training topics typically include the following: watershed planning, permitting, flood control, education and outreach programs, innovative technologies, effective administration, public relations, data collection and assessment, aquatic invasive species, urban and rural best management practices, governance, and leadership.

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### Lobbying and Advocacy for Effective and Efficient Watershed Management



MAWD lobbies for funding and programs that enhance the restoration and protection of Minnesota's water resources. Members drive the organization's policy issues through an annual resolutions process and the MAWD Board of Directors sets each year's priorities. Although legislative solutions are often needed to maximize resources, sometimes MAWD will find the best solutions by working directly with state agencies and other non-profits such as wildlife groups, lake associations, environmental groups, and farm organizations.

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### Member Support through Regular Communications and Networking



MAWD maintains regular communication with its members to ensure they are kept informed on the latest watershed news including trainings they may find useful, changes to legislation that may impact them, and information to help them stay in compliance with governmental regulations and laws. Formats used to distribute information include newsletters, social media (Facebook and Twitter), email updates and alerts, fact sheets, press releases, and the organization's website: [www.mnwatershed.org](http://www.mnwatershed.org). Check us out today!

Item 5F.  
BCWMC 6-16-22

2023 Proposed Operating Budget and Options		2020 Budget	2020 Gross Expenses	2020 Revenue	2020 NET Expenses	2021 Budget	2021 Gross Expenses	2021 Revenue	2021 NET Expenses	2022 Budget	Original DRAFT 2023 Budget	Original 2023 Potential Revenue	Original 2023 Potential NET Expenses	2023 Budget w/ MAWD dues & new review fees	2023 Potential Revenue w/ MAWD dues & new review fees	2023 Potential NET Expenses w/ MAWD dues & new review fees	See Notes
<b>ENGINEERING &amp; MONITORING</b>																	
Technical Services		130,000	143,081	-	143,081	134,000	105,492	\$ -	105,492	145,000	145,000	-	145,000	145,000	-	145,000	(A1)
Development/Project Reviews		75,000	94,267	63,000	31,267	68,000	89,507	\$ 73,554	15,953	75,000	80,000	76,500	3,500	80,000	80,000	-	(A)
			Review fees					Review fees				Review fees			Review fees		
Non-fee and Preliminary Reviews		20,000	16,851	-	16,851	24,000	38,406	\$ 10,000	28,406	22,000	30,000	-	30,000	30,000	-	30,000	(B)
								Cost share w/ MPLS					-			-	
Commission and TAC Meetings		12,000	10,478	-	10,478	12,000	10,961	\$ -	10,961	14,000	15,000	-	15,000	15,000	-	15,000	(C)
Surveys and Studies		10,000	3,745	-	3,745	9,000	7,683	\$ -	7,683	10,000	15,000	-	15,000	15,000	-	15,000	(D)
Water Quality / Monitoring		102,600	119,397	-	119,397	129,000	132,432	\$ -	132,432	110,000	105,000	-	105,000	105,000	-	105,000	(E)
Water Quantity		6,500	6,229	-	6,229	7,000	7,205	\$ -	7,205	8,000	9,000	-	9,000	9,000	-	9,000	(F)
Annual Flood Control Project Inspections		12,000	69,149	69,149	0	12,000	14,999	\$ 14,999	-	12,000	15,000	15,000	-	15,000	15,000	-	(G)
			Transfer from long term account					Transfer from long term account				Transfer from long term account			Transfer from long term account		
Municipal Plan Review		2,000	1,548	-	1,548	2,000	-	\$ -	-	2,000	2,000	-	2,000	2,000	-	2,000	(H)
Watershed Outlet Monitoring Program		20,500	20,837	4,500	16,337	23,000	18,257	\$ 5,500	12,757	28,500	27,000	5,000	22,000	27,000	5,000	22,000	(I)
			Grant from Met Council					Grant from Met Council				Grant from Met Council			Grant from Met Council		
Annual XP-SWMM Model Updates/Reviews		-	-	-	-	-	\$ -	\$ -	-	5,000	3,000	-	3,000	3,000	-	3,000	(J)
APM/AIS Work		30,000	11,634	1,128	10,506	14,000	13,533	\$ 5,601	7,932	13,000	40,000	5,000	35,000	40,000	5,000	35,000	(K)
			Cost share with TRPD					DNR Grant & Cost share w/ TRPD				Cost share w/ TRPD			Cost share w/ TRPD		
<b>Subtotal Engineering &amp; Monitoring</b>		<b>\$420,600</b>	<b>\$497,215</b>	<b>\$137,777</b>	<b>\$359,438</b>	<b>\$434,000</b>	<b>\$438,475</b>	<b>\$ 109,654</b>	<b>\$328,821</b>	<b>\$444,500</b>	<b>\$486,000</b>	<b>\$101,500</b>	<b>\$384,500</b>	<b>\$486,000</b>	<b>\$105,000</b>	<b>\$381,000</b>	See Notes
<b>PLANNING</b>																	
Next Generation Plan Development		18,000	18,000	-	18,000	18,000	10,001	\$ -	10,001	18,000	53,250	9,000	44,250	53,250	9,000	44,250	(L)
												Transfer from WMP fund			Transfer from WMP fund		
<b>Subtotal Planning</b>		<b>\$18,000</b>	<b>\$18,000</b>	<b>\$0</b>	<b>\$18,000</b>	<b>\$18,000</b>	<b>\$10,001</b>	<b>\$ -</b>	<b>\$10,001</b>	<b>\$18,000</b>	<b>\$53,250</b>	<b>\$9,000</b>	<b>\$44,250</b>	<b>\$53,250</b>	<b>\$9,000</b>	<b>\$44,250</b>	

Continue Next Page

	2020 Budget	2020 Gross Expenses	2020 Revenue	2020 NET Expenses	2021 Budget	2021 Gross Expenses	2021 Revenue	2021 NET Expenses	2022 Budget	Original DRAFT 2023 Budget	Original 2023 Potential Revenue	Original 2023 Potential NET Expenses	2023 Budget w/ MAWD dues & new review fees	2023 Potential Revenue w/ MAWD dues & new review fees	2023 Potential NET Expenses w/ MAWD dues & new review fees	See Notes
<b>ADMINISTRATION</b>																
Administrator	69,200	64,764	30,000	34,764	67,400	67,481	\$ 29,495	37,986	70,848	78,750	44,000	34,750	78,750	44,000	34,750	(M)
			Transfer from CIP account				Transfer from CIP account				Transfer from CIP account			Transfer from CIP account		
MAWD Dues	500	500	-	500	3,750	3,750	\$ -	3,750	7,500	-	-	-	7,500	-	7,500	(N)
Legal	15,000	20,996	-	20,996	15,000	16,280	\$ -	16,280	17,000	17,000	-	17,000	17,000	-	17,000	(O)
Financial Management	3,500	3,500	-	3,500	4,000	10,600	\$ -	10,600	13,500	14,540	-	14,540	14,540	-	14,540	(P)
Audit, Insurance & Bond	18,000	18,684	-	18,684	18,000	14,949	\$ -	14,949	18,700	18,700	-	18,700	18,700	-	18,700	(Q)
Meeting Catering	1,500	317	-	317	1,300	-	\$ -	-	1,300	2,400	-	2,400	2,400	-	2,400	(R)
Administrative Services	15,000	11,887	-	11,887	8,000	5,960	\$ -	5,960	8,000	7,240	-	7,240	7,240	-	7,240	(S)
<b>Subtotal Administration</b>	<b>\$122,700</b>	<b>\$120,648</b>	<b>\$30,000</b>	<b>\$90,648</b>	<b>\$117,450</b>	<b>\$119,020</b>	<b>\$ 29,495</b>	<b>\$89,525</b>	<b>\$136,848</b>	<b>\$138,630</b>	<b>\$44,000</b>	<b>\$94,630</b>	<b>\$146,130</b>	<b>\$44,000</b>	<b>\$102,130</b>	
<b>OUTREACH &amp; EDUCATION</b>																
Publications / Annual Report	1,300	1,069	-	1,069	1,300	375	\$ -	375	1,300	1,000	-	1,000	1,000	-	1,000	(T)
Website	1,000	1,264	-	1,264	1,800	544	\$ -	544	1,800	1,600	-	1,600	1,600	-	1,600	(U)
Watershed Education Partnerships	15,850	16,535	-	16,535	17,350	13,080	\$ -	13,080	18,350	18,350	-	18,350	18,350	-	18,350	(V)
Education and Public Outreach	22,000	38,321	28,811	9,510	26,000	23,073	\$ 6,295	16,778	28,000	28,000	-	28,000	28,000	-	28,000	(W)
			Grant from BWSR				Grant from BWSR									
Public Communications	1,000	1,113	-	1,113	1,000	1,028	\$ -	1,028	1,100	1,100	-	1,100	1,100	-	1,100	(X)
<b>Subtotal Outreach &amp; Education</b>	<b>\$41,150</b>	<b>\$58,302</b>	<b>\$28,811</b>	<b>\$29,491</b>	<b>\$47,450</b>	<b>\$38,100</b>	<b>\$ 6,295</b>	<b>\$31,805</b>	<b>\$50,550</b>	<b>\$50,050</b>	<b>\$0</b>	<b>\$50,050</b>	<b>\$50,050</b>	<b>\$0</b>	<b>\$50,050</b>	
<b>MAINTENANCE FUNDS</b>																
Channel Maintenance Fund	25,000	25,000	-	25,000	20,000	\$20,000	\$ -	20,000	25,000	25,000	-	25,000	25,000	-	25,000	(Y)
Flood Control Project Long-Term Maint.	25,000	25,000	-	25,000	25,000	25,000	\$ -	25,000	25,000	35,000	-	35,000	35,000	-	35,000	(Z)
<b>Subtotal Maintenance Funds</b>	<b>\$50,000</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>\$45,000</b>	<b>\$45,000</b>	<b>\$ -</b>	<b>\$45,000</b>	<b>\$50,000</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$60,000</b>	<b>\$60,000</b>	<b>\$0</b>	<b>\$60,000</b>	
<b>TMDL WORK</b>																
TMDL Implementation Reporting	10,000	263	-	263	7,000	6,989	\$ -	6,989	7,000	-	-	-	-	-	-	(AA)
<b>Subtotal TMDL Work</b>	<b>\$10,000</b>	<b>\$263</b>	<b>\$0</b>	<b>\$263</b>	<b>\$7,000</b>	<b>\$7,000</b>	<b>\$ 7,000</b>	<b>\$7,000</b>	<b>\$7,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
<b>GRAND TOTAL</b>	<b>\$662,450</b>	<b>\$744,428</b>	<b>\$196,588</b>	<b>\$547,840</b>	<b>\$668,900</b>	<b>\$657,596</b>	<b>\$ 152,444</b>	<b>\$512,152</b>	<b>\$706,898</b>	<b>\$787,930</b>	<b>\$154,500</b>	<b>\$633,430</b>	<b>\$795,430</b>	<b>\$158,000</b>	<b>\$637,430</b>	

<b>PRELIMINARY 2023 Revenues</b>				
<b>DRAFT Income</b>	Original - no MAWD/1st draft fees	With MAWD dues & new fees - Recommended	No MAWD dues with new fees	With MAWD dues/1st draft fees
Assessments to cities	\$ 613,430	\$ 617,430	\$ 609,930	\$ 620,930
Use of fund balance	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Use of Watershed Plan Fund balance	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
CIP Administrative Funds (2.0% of est. requested levy of \$2.2M)	\$ 44,000	\$ 44,000	\$ 44,000	\$ 44,000
Project review fees	\$ 76,500	\$ 80,000	\$ 80,000	\$ 80,000
Transfer from Long-term Maint Fund for Flood Control Proj Inspections	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
WOMP reimbursement	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
TRPD reimbursement	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
AIS Grant	\$ -	\$ -	\$ -	\$ -
Interest income in 2023	\$ -	\$ -	\$ -	\$ -
	\$ 787,930	\$ 795,430	\$ 787,930	\$ 798,930
<b>DRAFT Total operating expenses</b>	\$ 787,930	\$ 795,430	\$ 787,930	\$ 798,930
<b>Fund Balance Details</b>				
Est. Beginning Fund Balance (Jan 31, 2023)	\$ 439,199	\$ 439,199	\$ 439,199	\$ 439,199
Use of Fund Balance	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Est. Remaining Fund Balance (Jan 31, 2024)	\$ 419,199	\$ 419,199	\$ 419,199	\$ 419,199

Proposed City Assessments																	
Community	2015	2016	2017	2018	2019	2020	2021	2022	Original 2023 DRAFT	% Increase over 2022	MAWD dues & new fees - Recommended	% Increase over 2022	No MAWD dues with new fees	% Increase over 2022	With MAWD dues/1st draft fees	% Increase over 2022	
	\$490,345	\$490,345	\$500,000	\$515,050	\$529,850	\$550,450	\$554,900	\$565,998	\$ 613,430		\$ 617,430		\$ 609,930		\$ 620,930		
Crystal	\$25,868	\$25,771	\$25,704	\$26,904	\$27,877	\$29,062	\$29,898	\$30,206	\$33,732	11.7%	\$33,952	12.4%	\$33,540	11.0%	\$34,145	13.0%	Crystal
Golden Valley	\$121,964	\$127,675	\$131,270	\$134,649	\$138,553	\$144,693	\$145,228	\$148,477	\$161,018	8.4%	\$162,068	9.2%	\$160,099	7.8%	\$162,987	9.8%	Golden Vall
Medicine Lake	\$3,543	\$3,600	\$3,561	\$3,783	\$3,846	\$3,975	\$3,928	\$3,988	\$4,304	7.9%	\$4,332	8.6%	\$4,279	7.3%	\$4,357	9.2%	Medicine La
Minneapolis	\$33,235	\$32,885	\$33,609	\$34,763	\$35,805	\$37,631	\$37,983	\$39,103	\$43,846	12.1%	\$44,132	12.9%	\$43,596	11.5%	\$44,382	13.5%	Minneapolis
Minnetonka	\$28,121	\$27,536	\$28,199	\$28,053	\$28,989	\$29,967	\$29,622	\$30,437	\$32,682	7.4%	\$32,895	8.1%	\$32,495	6.8%	\$33,081	8.7%	Minnetonka
New Hope	\$25,681	\$25,627	\$25,917	\$26,740	\$27,987	\$28,987	\$29,464	\$30,087	\$32,902	9.4%	\$33,117	10.1%	\$32,715	8.7%	\$33,305	10.7%	New Hope
Plymouth	\$225,159	\$220,974	\$224,531	\$231,682	\$237,986	\$245,942	\$247,860	\$252,307	\$271,259	7.5%	\$273,027	8.2%	\$269,711	6.9%	\$274,575	8.8%	Plymouth
Robbinsdale	\$7,587	\$7,843	\$7,747	\$8,189	\$8,523	\$8,937	\$9,299	\$9,288	\$10,244	10.3%	\$10,310	11.0%	\$10,185	9.7%	\$10,369	11.6%	Robbinsdale
St. Louis Park	\$19,184	\$18,433	\$19,463	\$20,287	\$20,284	\$21,257	\$21,618	\$22,105	\$23,444	6.1%	\$23,597	6.7%	\$23,310	5.5%	\$23,730	7.4%	St. Louis Pa
<b>TOTAL</b>	<b>\$490,345</b>	<b>\$490,345</b>	<b>\$500,000</b>	<b>\$515,050</b>	<b>\$529,850</b>	<b>\$550,450</b>	<b>\$554,900</b>	<b>\$565,998</b>	<b>\$613,430</b>	8.4%	<b>\$ 617,430</b>	9.1%	<b>\$ 609,930</b>	7.8%	<b>\$ 620,930</b>	9.7%	



**NOTES**

(A1) General technical services by Barr Engineering; 2021 budget based on actual expenditures in 2019 and 2020. 2023 Budget same as 2022.

(A) Partially funded by application fees; with the creation of the preliminary and non-fee budget category, most of the review costs will be covered by application fees. Budget based on recent actual expenses and projected number of projects submitted for review. Original estimated revenue of \$76,500 was adjusted to \$80,000 with TAC-recommended development review fee revisions

(B) This was a new line item in 2015 used to cover reviews for which either we do not receive an application fee or it's too early in the process for us to have received an application fee. Includes DNR application reviews, MnDOT project reviews, and other prelim reviews requested by administrator and member cities. Reviews for large projects such as SWLRT reviews and North Loop Green Project have been partially or fully reimbursed to Commission.

(C) Includes attendance at BCWMC meetings, TAC meetings and other committee meetings, as needed. 2017 budget increased to allow for additional BCWMC Engineer staff to attend Commission/TAC meetings (total of 3 assumed). 2018 - 2020 budgets were reduced from 2017 and assumed 12 BCWMC meetings and 5 other meetings (TAC, etc.). 2021 budget also assumes 17 meetings including BCWMC meetings (12), TAC meetings (3), Administrative Services Committee meetings (1), Budget Committee meetings and other meetings (1). 2022 and 2023 budgets increased to reflect likely return to in-person meetings, plus additional staff attendance at meetings

(D) For Commission-directed surveys and studies not identified in other categories - e.g., past work has included watershed tours, Medicine Lake outlet work, Flood Control Project Maintenance and Responsibilities, Sweeney Lake sediment monitoring, stream monitoring equipment purchase. 2018 budget was reduced from previous years for overall budget savings. 2019 budget is more in line with previous years and gives Commission flexibility to investigate or tackle unforeseen issues that arise. Lowered again in 2020, 2021, and 2022 for budget savings. Among other surveys and studies, in 2023 this budget could be used to review and develop agreements with Minneapolis related to tunnel roles and responsibilities.

(E) Routine lake and stream monitoring. See details on next page.

(F) Water Quantity (lake level) monitoring. 2018 budget lowered for budget savings and resulted in fewer data points. 2019 budget back to earlier budget levels. 2020 budget lowered again for budget savings. 2022 and 2023 budget increase allows for additional measurements and benchmark checks, beyond the once/month lake level measurements to assist with proper maintenance of hydrologic and hydraulic modeling and climate resiliency preparations

(G) 2022 budget includes annual typical inspection of Flood Control Project (FCP) features without tunnel inspections but does not include follow-up work on the deep tunnel inspection, such as developing cost estimates for recommended repair work, and the box culvert repairs, such as development of plans and specifications. 2023 budget includes annual regular inspections at newly updated cost estimate. Actual costs of inspection will be reimbursed to operating budget from long term FCP account. [Last double box inspection was 2019, next one due 2024; last deep tunnel inspection was 2020, next one due 2030. Unsubmerged deep tunnel inspection in 2025.]

[http://www.bassettcreekwmo.org/application/files/4514/9637/1815/2016\\_FCP\\_Policies.pdf](http://www.bassettcreekwmo.org/application/files/4514/9637/1815/2016_FCP_Policies.pdf)

(H) Municipal plan approvals completed in 2019; however, this task has also included review of adjacent WMO plan amendments, and review of city ordinances; \$2,000 budget recommended annually.

(I) Monitoring at the Watershed Outlet Monitoring Program (WOMP) site in Minneapolis through an agreement with Met Council (MCES). Commission is reimbursed \$5,000 from Met Council. Met Council pays for equipment, maintenance, power, cell service, and lab analyses. Monitoring protocol changed in 2017 with collection of bi-monthly samples (up from once-per-month sampling). Both Barr and Stantec (previously Wenck) have tasked related to WOMP activities. Barr's 2020 & 2021 budget = \$4,500. Actual spent in 2020 = \$4,265. Station was moved in late 2020. In 2022, Barr portion was set at \$10,000 because MCES requested additional high flow measurements (doubling from about 6 to 12), due to the new station location. Stantec portion was similar to previous years at \$18,500 due to similar sampling regime. In 2023, Barr work proposed at \$7,500, for flow measurements. In 2023 Stantec portion assumes 5% increase over 2022 due to staffing cost increases; \$19,500.

(J) This item is used to make updates to the XP-SWMM model, coordinate with P8 model updates, and assist cities with model use. No XP-SWMM updates were performed 2019 - 2021 due to work on the grant funded FEMA modeling project. 2022 budget includes finalizing updates to the Commission's official model and flood elevations to match the "FEMA model" (this work was started in 2021 using "Surveys and Studies" budget). 2023 budget assumes Barr will request, compile, and review information provided by the cities and flag those that are large enough/significant enough to incorporate into the XP-SWMM and P8 model updates. As this covers both XP-SWMM and P8, we assumed \$0 for the TMDL Implementation Reporting (P8 model update) budget. Based on the request from 2018-2021, we had about 60 items to review and about 40 were significant enough to incorporate into the models. The 2023 budget assumes about 15 developments to review in one year. 2023 budget DOES NOT include TAC's recommendation for the Operating Budget include an annual, steady budget for model maintenance to save for years when the more time-consuming (i.e., expensive) model updates are needed and to minimize significant fluctuations in the budget.

**Notes (continued)**

(K) Funds to implement recommendations of Aquatic Plant Management/Aquatic Invasive Species Committee likely including curly-leaf pondweed control in Medicine Lake and small grant program for launch inspectors, education/outreach, etc. by other organizations including TRPD, AMLAC, others. TRPD shares cost (17%) of treatments. In 2021, received \$5,000 DNR grant. In 2022, received \$10,000 DNR grant. In 2022 and for a few years thereafter, treatment costs are expected to be significantly due to permission from DNR to expand treatment area to implement Lake Vegetation Management Plan.

(L) The scope and budget for development of the 2025 Watershed Plan was approved in February 2022. \$38,000 has already been set aside in a long term account for Plan development, of which \$11,000 will be needed to cover work that will get underway in 2022. In 2023, Barr estimates spending \$42,000 and Administrator estimates spending \$11,250 on Plan development (total = \$53,250). Revenue includes transfer from plan development long term account to help offset costs.

(M) Amended Administrator contract approved March 2022 includes 87.5 hours per month at \$75/hour starting in FY23 for total of \$78,750.

(N) MN Association of Watershed District Annual dues. New budget item. 2019 and 2020 dues were \$500 because WMOs were newly allowed to join the organization. 2021 dues \$3,750. Starting in 2022 dues went to the max of \$7,500 similar to other Metro watersheds. Committee recommends suspending membership in 2023 with original proposed budget. New columns reflect option to remain a MAWD member.

(O) For Commission attorney. 2022 budget included 3% hourly rate increase over 2021 + more work expected. High legal costs for CIP projects will be charged to specific CIP budgets, as warranted.

(P) In 2021, Commission began contractoing with Redpath for accounting services. Next year's rates are expected to increase. Budget includes \$1,070 per month + up to 10 hours audit assistance at \$170/hr

(Q) Insurance and audit costs have risen considerably in the last few years.

(R) Meeting catering expenses from Three One Six at Brookview. Assumes 12 in-person meetings @ \$200 per meeting (24 pastries, 24 mini quiches, coffee, juice, fruit cups)

(S) Recording Secretary \$40/hr rate \* 8 hrs/mo for 12 months for minutes (\$3,840 total) + \$250/mo meeting packet printing/mailing + \$400 supplies (envelopes, stamps, etc).

(T) Budget was decreased in last few years to be more in line with actual expenses. Costs associated with Commission Engineer assistance with annual report

(U) Based on agreement with HDR for website hosting and maintenance activities and closer to actual funds spent in recent years.

(V) Includes CAMP (\$7,000), River Watch (\$2,000), Metro Watershed Partners (\$3,500), Metro Blooms Workshops (\$1,500; a decrease from previous years), Children's Water Festival (\$350), Metro Blooms resident engagement in Minneapolis neighborhoods (\$4,000). Does not allow for additional partnerships or increases in contributions.

(W) Includes funding for West Metro Water Alliance at \$13,000 and \$15,000 for work by educational contractors + supplies and materials including educational signage, display materials, Commissioner training, etc.

(X) Public Communications covers required public notices for public hearings, etc.

(Y) Will be transferred to Channel Maintenance Fund for use by cities with smaller projects along main streams.

(Z) Will be transferred to Long-Term Maintenance Fund. TAC recommends increasing this budget line to be more in line with expected costs.

(AA) This task is meant for updating the P8 pollution model and will be done in conjunction with the work in budget line J with XP-SWMM model updates.

BCWMC 2023 Water Quality Monitoring Budgets - by item		
Item	Budget	Notes
Reporting on 2022 monitoring:		
Northwood Lake & Lost Lake	\$14,000	
2023 monitoring:		
Year 2 of Plymouth Creek stream flow and quality monitoring	\$24,000	TRPD (under contract w/City of Plymouth) will complete all flow and water quality monitoring monitoring, except for continuous dissolved oxygen monitoring and quarterly monitoring for metals and hardness, which Barr will complete. Barr flow monitoring will be limited to collection of some flow data for the IP1 rating curve; the data will be incorporated into the rating curve and the rating curve adjusted as needed per the 2023 data. Barr will complete the continuous dissolved oxygen measurements and quarterly metals and harness monitoring at IP2. Barr will perform QA/QC on all data collected (Barr and TRPD). Assumes TRPD also performs QA/QC on their data prior to giving the data to Barr. Barr will summarize all data collected by Barr and TRPD into tables and graphs. Barr will prepare the flow data collected at IP1, the continuous dissolved oxygen data collected at IP2, and the quarterly metals and hardness data collected from IP2 for EQUIS submittal and will submit the data to the MPCA EQUIS database. TRPD will submit all data collected by TRPD to the MPCA EQUIS database. Budget assumes TRPD/BCWMC makes all significant monitoring equipment purchases in 2022 and no significant monitoring equipment purchases are needed in 2023. Budget does not include report and presentation to Commission, which will occur in 2024 (and be included in 2024 budget).
Sweeney Lake (Priority 1 Deep lake) & Twin Lake (Priority 1 Deep lake)	\$57,000	Detailed lake monitoring includes monitoring two locations on Sweeney Lake and one location at Twin Lake on six occasions for selected parameters (total phosphorus at 4 depths; dissolved phosphorus, total nitrogen, Total Kjeldahl nitrogen, nitrate + nitrite nitrogen, and chlorophyll a from 0-2 meter depth, and chloride at two depths; temperature, pH, DO, and and specific conductance measurements at one meter intervals from surface to bottom; and measurement of Secchi disc depth), plus parameters associated with AIS vulnerability (calcium, alkalinity, hardness, sodium, and magnesium from 0-2 meter depth), and phytoplankton (0-2 meter depth) and zooplankton (bottom to surface tow) collection and analyses. Plant surveys will be completed in June and August by Endangered Resource Services. Data will be summarized and analyzed including calculation of aquatic plant IBIs and AIS Suitability, trend analyses, creation of temperature, DO, and specific conductance isopleths, and preparation of total phosphorus, chlorophyll a, Secchi disc chloride, phytoplankton and zooplankton graphs. Budget does not include report and presentation to Commission, which will occur in 2024 (and be included in 2024 budget).  In 2023, we plan to switch from PACE to RMB Environmental Laboratories (RMB). If all goes well, we anticipate saving BCWMC about \$2,000 - \$3,000 in laboratory expenses. We did not adjust the budget down in case we run into problems with the changeover and need to go back to using PACE for the laboratory analyses.
<i>No biological monitoring - Main Stem &amp; North Branch at same time in 2024</i>		
General water quality tasks (responding to data review and inquiries, reviewing impaired waters lists, corresponding with Met Council and MPCA on data and monitoring plans)	\$10,000	
<b>Total Water Quality Monitoring</b>	<b>\$105,000</b>	

Proposed Fee Schedule (Effective October 1, 2017 July 1, 2022)

TAC-Recommended

Project Review Fees (check appropriate boxes) <sup>1, 7</sup>	
<input checked="" type="checkbox"/> <b>Base Fees</b>	
Single Family Lot (No add-on fees required) <sup>7</sup>	\$500
Projects Requiring Only Erosion and Sediment Control Review <sup>7</sup>	<del>\$1,500</del> <u>2,000</u>
Municipal Projects <sup>2, 7</sup> (No add-on fees required)	\$1,500
All Other Projects <sup>7</sup>	<del>\$1,500</del> <u>2,000</u>
<input checked="" type="checkbox"/> <b>Add-On Fees<sup>3</sup></b>	
1. Projects requiring Rate Control or Treatment to MIDS Performance Goal	<del>\$1,000</del> <u>2,000</u>
2. Projects involving work within or below the 100-year floodplain (Table 2-9, Watershed Management Plan) - select highest of following add-on fees (a or b)	
a. Work involving filling and compensating storage within or below the 100-year floodplain (identified in Table 2-9)	\$1,000
b. Work along the Bassett Creek trunk system or inundation areas involving review of, or modifying the XP-SWMM model.	\$2,000
3. Work involving creek crossings (bridges, culverts, etc.)	\$1,000
4. Projects involving review of alternative BMPs <sup>4</sup>	\$1,000
5. Project involving variance request	\$1,000
<input checked="" type="checkbox"/> <b>Wetland Fees <sup>5</sup></b>	
Wetland delineation review	Varies
Wetland replacement plan review	Varies
Monitoring and reporting	Varies
Wetland replacement escrow	Varies
<b>Total Project Review Fees <sup>6, 7</sup></b>	
	\$ _____
<p>1 State agencies are exempt from review fees. Other public agencies are required to pay review fees and add-on fees.</p> <p>2 Including Minneapolis Park &amp; Recreation Board projects</p> <p>3 Required in addition to base fee (except for single family lots and municipal projects).</p> <p>4 BMPs not included in <i>Minnesota Stormwater Manual</i>.</p> <p>5 Wetland fees will be billed at actual cost for projects where BCWMC acts as the LGU for the Wetland Conservation Act or when a member city requests assistance from the BCWMC for wetland-related review tasks (BCWMC is the LGU for the cities of Medicine Lake, Robbinsdale and St. Louis Park).</p> <p>6 Include check for total project review fees or other fees with application form. Check should be payable to Bassett Creek Watershed Management Commission.</p> <p>7 If the actual cost to conduct a review reaches \$5,000, the applicant shall be required to reimburse the Commission for all costs it incurs in excess of \$5,000, in addition to base and add on fees. The Commission shall bill the applicant for the additional costs. If an applicant fails to fully reimburse the Commission for the additional costs, any future requests for a review from the applicant shall</p>	

be deemed incomplete, and the Commission will not conduct a review, until all outstanding amounts have been paid.

## Bassett Creek Watershed Management Commission Project Reviews

## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 5G – Consider Purchase of Dissolved Oxygen Sensor for Annual Stream Monitoring  
BCWMC June 16, 2022 Meeting  
**Date:** June 8, 2022

### 5G. Consider Purchase of Dissolved Oxygen Sensor for Annual Stream Monitoring

#### Recommendations:

1. Approve the purchase of an Onset HOBO Dissolved Oxygen Data Logger (HOBO Logger) (estimated cost of \$1,350) for dedicated use for the Commission's annual stream monitoring program.
2. Use the 2022 Plymouth Stream Monitoring Program budget for the purchase.

#### Background

The Commission Engineer recommends purchasing a new sensor/datalogger for collecting continuous dissolved oxygen data as part of the Commission's annual stream monitoring program. The stream monitoring program calls for dissolved oxygen (DO) measurements to be collected continuously for a minimum 4-day period each summer at the North Branch of Bassett Creek, the Sweeney Branch of Bassett Creek, or Plymouth Creek, depending on the given year (in 2022 it is Plymouth Creek). We originally planned to rent an Aanderaa DO sensor (approximately \$200/week) from Barr, which is compatible with the Commission's existing monitoring equipment. However, we have found a better alternative, which can save money and provide data of equal or better quality.

We recommend that the Commission purchase their own dissolved oxygen sensor, the Onset HOBO Dissolved Oxygen Data Logger (HOBO Logger), pictured here (for scale reference, it is 10-1/2" long x 1-1/2" dia.):



**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
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BCWMC June 16, 2022 Meeting  
**Date:** June 8, 2022  
**Page:** 2

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This sensor could be dedicated to the Commission's annual stream monitoring program, but it could also be available for other Commission projects. The HOBO Logger is a relatively inexpensive (\$1,350), accurate, and self-contained sensor/datalogger. During the past couple of years, Barr has deployed these sensors at several lake monitoring sites for other clients. We also conducted a successful test run on the Sweeney Branch of Bassett Creek last October. The DO data were verified with a calibrated handheld meter at the start and end of the test period. In addition to DO, the HOBO Logger also measures and records continuous temperature data. The sensor/datalogger has performed well in all cases and is easier to use than our rental Aanderaa DO sensors. Barr already owns the software (needed for programming, calibrating, and data processing) and data shuttle (needed for downloading).

The HOBO Logger is self-contained, which means no cable needs to be wired to a datalogger, fished through a conduit, buried, and anchored to the streambed or streambank. The lack of a cable also reduces the chance of debris hanging up on the sensor and interfering with measurements. Calibration and programming are simpler and require less time. Like the Aanderaa DO sensor, the HOBO Logger uses optical sensor technology, which is accurate, robust and the current "cutting edge" technology for DO measurement. We estimate that using the HOBO Logger will save almost \$1,000/year in labor cost. The only recurring annual cost will be replacement of the DO cap at a cost of \$125/cap. Therefore, the initial purchase cost will be recovered by the second year. With only a week of use each year, the life of the sensor should be many years (minimum 5 years, expect 10 years). This sensor is an "off the shelf" product and can be acquired in 2-3 days. We recommend charging this purchase cost to the 2022 Plymouth Creek monitoring budget. Due to the labor savings, we expect the current 2022 Plymouth Creek monitoring budget to cover the costs.

The Commission Engineer will maintain the HOBO DO Logger and store it at Barr Engineering on behalf of the Commission, as is current practice for the other monitoring equipment purchased by the Commission (in 2017) and used for the Commission's annual stream monitoring program. When not in use for the annual stream monitoring program, this sensor would also be available for other Commission project work in any stream, lake, pond, or other waterbody.





## Bassett Creek Watershed Management Commission MEMO

Date: June 7, 2022  
From: Laura Jester, Administrator  
To: BCWMC Commissioners  
RE: **Administrator's Report**

Aside from this month's agenda items, the Commission Engineers, city staff, committee members, and I continue to work on the following Commission projects and issues.

**CIP Projects** (more resources at <http://www.bassettcreekwmo.org/projects.>)

**2019 Medicine Lake Road and Winnetka Avenue Area Long Term Flood Mitigation Plan Implementation Phase I: DeCola Ponds B & C Improvement Project (BC-2, BC-3 & BC-8) Golden Valley (No change since Nov):** A feasibility study for this project was completed in May 2018 after months of study, development of concepts and input from residents at two public open houses. At the May 2018 meeting, the Commission approved Concept 3 and set a maximum 2019 levy. Also in May 2018, the Minnesota Legislature passed the bonding bill and the MDNR has since committed \$2.3M for the project. The Hennepin County Board approved a maximum 2019 levy request at their meeting in July 2018. A BCWMC public hearing on this project was held on August 16, 2018 with no comments being received. Also at that meeting the Commission officially ordered the project and entered an agreement with the City of Golden Valley to design and construct the project. In September 2018, the City of Golden Valley approved the agreement with the BCWMC. The [Sun Post](#) ran an article on this project October 2018. Another public open house and presentation of 50% designs was held February 6, 2019. An EAW report was completed and available for public review and comment December 17 – January 16, 2019. At their meeting in February 2019, the Commission approved the 50% design plans. Another public open house was held April 10<sup>th</sup> and a public hearing on the water level drawdown was held April 16<sup>th</sup>. 90% Design Plans were approved at the April Commission meeting. It was determined a Phase 1 investigation of the site is not required. The City awarded a contract to Dahn Construction for the first phase of the project, which involves earthwork, utilities, and trail paving and extends through June 2020. Dewatering began late summer 2019. Tree removal was completed in early winter; excavation was ongoing through the winter. As of early June 2020, earth work and infrastructure work by Dahn Construction is nearly complete and trail paving is complete. Vegetative restoration by AES is underway including soil prep and seeding. Plants, shrubs, and trees will begin soon along with placement to goose protection fencing to help ensure successful restoration. The construction phase of this project was completed in June with minor punch list items completed in September. The restoration and planting phase is complete except for minor punch list items and monitoring and establishment of vegetation over three growing seasons. A final grant report for BWSR's Watershed Based Implementation Funding was submitted at the end of January. City staff recently completed a site walk through to document dead or dying trees and shrubs in need of replacement (under warranty). This project (along with Golden Valley's Liberty Crossing Project) recently received the award for "Project of the Year" from the Minnesota Association of Floodplain Managers as part of the overall Project website: <http://www.bassettcreekwmo.org/index.php?CID=433> .

**2020 Bryn Mawr Meadows Water Quality Improvement Project (BC-5), Minneapolis:** A feasibility study by the Commission Engineer was developed in 2018 and approved in January 2019. The study included wetland delineations, soil borings, public open houses held in conjunction with MPRB's Bryn Mawr Meadows Park improvement project, and input from MPRB's staff and design consultants. Project construction year was revised from 2020 and 2022 to better coincide with the MPRB's planning and implementation of significant improvements and redevelopment Bryn Mawr Meadows Park where the project will be located. A public hearing for this project was held September 19, 2019. The project was officially ordered at that meeting. In January 2020 this project was awarded a \$400,000 Clean Water Fund grant from BWSR; a grant work plan was completed and the grant with BWSR was fully executed in early May 2020. The project and the grant award was the subject of an article in the Southwest Journal in February: <https://www.southwestjournal.com/voices/green-digest/2020/02/state-awards-grant-to-bryn-mawr-runoff-project/>. In September 2020, Minneapolis and MPRB staff met to review the implementation agreement and maintenance roles.



BCWMC developed options for contracting and implementation which were presented at the November meeting. At that meeting staff was directed to develop a memorandum of understanding or agreement among BCWMC, MPRB, and city of Minneapolis to more formally recognize and assign roles and responsibilities for implementation. The draft agreement was developed over several months and multiple conversations among the parties. At the May 2021 meeting the Commission approved to waive potential conflict of the Commission legal counsel and reviewed a proposal for project design by the Commission Engineer. The updated design proposal and the design agreement among all three parties were approved at the June 2021 meeting. Four public open houses have been held in the park since late July to gather input on park concepts. Project partners meet regularly to discuss schedules, planning and design components, and next steps. Concept designs were approved by the MRPB Board in late 2021. Staff met with MnDOT regarding clean out of Penn Pond and continue discussions. 50% design plans were approved at the January meeting; 90% design plans were approved at the March meeting along with an agreement with MPRB and Minneapolis for construction. The agreement was approved by all three bodies. Commission Engineers recently updated the plan sets to reflect near-final designs, including coordination with SRF on the details associated with the landscaping plan and the interface between where the ponds transition back into the park. Bidding documents are being prepared. MPRB anticipates project bidding in June or July. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/bryn-mawr-meadows-water-quality-improvement-project>

**2020 Jevne Park Stormwater Improvement Project (ML-21) Medicine Lake (No change since April):** At their meeting in July 2018, the Commission approved a proposal from the Commission Engineer to prepare a feasibility study for this project. The study got underway last fall and the city's project team met on multiple occasions with the Administrator and Commission Engineer. The Administrator and Engineer also presented the draft feasibility study to the Medicine Lake City Council on February 4, 2019 and a public open house was held on February 28<sup>th</sup>. The feasibility study was approved at the April Commission meeting with intent to move forward with option 1. The city's project team is continuing to assess the project and understand its implications on city finances, infrastructure, and future management. The city received proposals from 3 engineering firms for project design and construction. At their meeting on August 5<sup>th</sup>, the Medicine Lake City Council voted to continue moving forward with the project and negotiating the terms of the agreement with BCWMC. Staff was directed to continue negotiations on the agreement and plan to order the project pending a public hearing at this meeting. Staff continues to correspond with the city's project team and city consultants regarding language in the agreement. The BCWMC held a public hearing on this project on September 19, 2019 and received comments from residents both in favor and opposed to the project. The project was officially ordered on September 19, 2019. On October 4, 2019, the Medicine Lake City Council took action not to move forward with the project. At their meeting in October 2019, the Commission moved to table discussion on the project. The project remains on the 2020 CIP list. In a letter dated January 3, 2022, the city of Medicine Lake requested that the Commission direct its engineer to analyze alternatives to the Jevne Park Project that could result in the same or similar pollutant removals and/or stormwater storage capacity. At the March meeting, the Commission directed the Commission Engineer to prepare a scope and budget for the alternatives analysis which were presented and discussed at the April meeting. No action was taken at that meeting to move forward with alternatives analysis. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=467>.

**2014 Schaper Pond Diversion Project and Carp Management, Golden Valley (SL-3):** Repairs to the baffle structure were made in 2017 after anchor weights pulled away from the bottom of the pond and some vandalism occurred in 2016. The city continues to monitor the baffle and check the anchors, as needed. Vegetation around the pond was planted in 2016 and a final inspection of the vegetation was completed last fall. Once final vegetation has been completed, erosion control will be pulled and the contract will be closed. The Commission Engineer began the Schaper Pond Effectiveness Monitoring Project last summer and presented results and recommendations at the May 2018 meeting. Additional effectiveness monitoring is being performed this summer. At the July meeting the Commission Engineer reported that over 200 carp were discovered in the pond during a recent carp survey. At the September meeting the Commission approved the Engineer's recommendation to perform a more in-depth survey of carp including transmitters to learn where and when carp are moving through the system. At the October 2020 meeting, the Commission received a report on the carp surveys and recommendations for carp removal and management. Carp



removals were performed through the Sweeney Lake Water Quality Improvement Project. Results were presented at the February 2021 meeting along with a list of options for long term carp control. Commission took action approving evaluation of the long-term options to be paid from this Schaper Pond Project. Commission and Golden Valley staff met in March 2021 to further discuss pros and cons of various options. At the September 2021 meeting, the Commission approved utilizing an adaptive management approach to carp management in the pond (\$8,000) and directed staff to discuss use of stocking panfish to predate carp eggs. Commission Engineers will survey the carp in 2022. At the April meeting, the Commission approved panfish stocking in Schaper Pond along with a scope and budget for carp removals to be implemented later in 2022 if needed. Commission staff informed lake association and city about summer activities and plans for a fall alum treatment. Approximately 1,000 bluegills were released into Schaper Pond in late May (see photo). Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=277>.

**Sweeney Lake Water Quality Improvement Project, Golden Valley (SL-8) (No change since May):** This project was added to the 2020 CIP list after receiving a federal 319 grant from the MPCA. It is partially a result of the carp surveys completed through the Schaper Pond Diversion Project and a study of the year-round aeration on Sweeney Lake. This project will treat curly-leaf pondweed in spring 2020, will remove carp in summer 2020, and will perform an alum treatment on Sweeney Lake in late summer 2020. The project was officially ordered by the Commission after a public hearing in September 2019. A public open house on this project was held via Webex on April 8<sup>th</sup> with approximately 20 people joining. The open house presentation and a question and answer document are available online. The curly-leaf pondweed herbicide treatment was completed in May. Carp Solutions performed carp tracking and setting nets in early June. The first round of netting resulted in 334 carp removed from Sweeney Lake (mean length 620 mm, mean weight 3.1 kg), representing an estimated 29% of the total population. From Schaper Pond 82 carp removed which likely represents about 17% of the initial population. After another round of carp removals in late July, 118 additional carp were netted from Sweeney. Based on preliminary estimates, approximately 40% of the carp population was removed from Sweeney this summer. The carp biomass was reduced from approximately 129 kg/ha to 79 kg/ha, which is below the threshold where adverse impacts on water quality are expected. The first round of alum treatment was completed in late October. A grant report and payment request were submitted at the end of January. A report on the results of the carp removals and recommendations for future management were presented at the February 2021 meeting. Long term carp management evaluation will happen through the Schaper Pond Diversion Project funding. A one-page overview of 2020 activities and outcomes was developed for the Sweeney Lake Association and [posted online](#) in March. The Commission is performing post alum treatment water monitoring this year along with additional carp population assessments. The project website: [Sweeney Lake Water Quality Improvement Project, SL-8](#).

**2014 Twin Lake In-lake Alum Treatment, Golden Valley (TW-2): (No change since June 2018)** At their March 2015 meeting, the Commission approved the project specifications and directed the city to finalize specifications and solicit bids for the project. The contract was awarded to HAB Aquatic Solutions. The alum treatment spanned two days: May 18- 19, 2015 with 15,070 gallons being applied. Water temperatures and water pH stayed within the desired ranges for the treatment. Early transparency data from before and after the treatment indicates a change in Secchi depth from 1.2 meters before the treatment to 4.8 meters on May 20th. There were no complaints or comments from residents during or since the treatment.

Water monitoring continues to determine if and when a second alum treatment is necessary. Lake monitoring results from 2017 were presented at the June 2018 meeting. Commissioners agreed with staff recommendations to keep the CIP funding remaining for this project as a 2<sup>nd</sup> treatment may be needed in the future. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=278>.

**2013 Four Seasons Area Water Quality Project (NL-2) (No change since February):** At their meeting in December 2016, the Commission took action to contribute up to \$830,000 of Four Seasons CIP funds for stormwater management at the Agora development on the old Four Seasons Mall location. At their February 2017 meeting the Commission approved an agreement with Rock Hill Management (RHM) and an agreement with the City of Plymouth allowing the developer access to a city-owned parcel to construct a wetland restoration project and to ensure ongoing maintenance of the CIP project components. At the August 2017 meeting, the Commission approved the 90% design plans for the CIP portion of the project. At the April 2018 meeting, Commissioner Prom notified the Commission that RHM recently disbanded its efforts to purchase the property for redevelopment. In 2019, a new potential buyer/developer (Dominium) began preparing plans for redevelopment at the site. City staff, the Commission Engineer and I have met

on numerous occasions with the developer and their consulting engineers to discuss stormwater management and opportunities with “above and beyond” pollutant reductions. Concurrently, the Commission attorney has been working to draft an agreement to transfer BCWMC CIP funds for the above and beyond treatment. At their meeting in December, Dominion shared preliminary project plans and the Commission discussed the redevelopment and potential “above and beyond” stormwater management techniques. At the April 2020 meeting, the Commission conditionally approved the 90% project plans. The agreements with Dominion and the city of Plymouth to construct the project were approved May 2020 and project designers coordinated with Commission Engineers to finalize plans per conditions. In June 2021, the City of Plymouth purchased the property from Walmart. The TAC discussed a potential plan for timing of construction of the stormwater management BMPs by the city in advance of full redevelopment. At the August 2021 meeting, the Commission approved development of an agreement per TAC recommendations. An agreement has yet to be drafted. In an update in February, city staff noted they are on track to have a new development plan later this year that will incorporate potentially innovative water quality improvement components. Project webpage:

<http://www.bassettcreekwmo.org/index.php?cID=282>.

**2021 Parkers Lake Drainage Improvement Project (PL-7) (No change since February):** The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to design and construct the project. The city hired WSB for project design which is currently underway. 60% design plans were approved at the June meeting. 90% plans were approved at the August meeting. Construction is currently underway. [www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project](http://www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project)

**2021 Parkers Lake Chloride Reduction Project (PL-7) (No change since February):** The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to implement the project in coordination with commission staff. City staff and I have had an initial conversation about this project. The city plans to collect additional chloride data this winter in order to better pinpoint the source of high chlorides loads within the subwatershed. Partners involved in the Hennepin County Chloride Initiative (HCCI) are interested in collaborating on this project. A proposal from Plymouth and BCWMC for the “Parkers Lake Chloride Project Facilitation Plan” was approved for \$20,750 in funding by the HCCI at their meeting in March. The project will 1) Compile available land use data and chloride concentrations, 2) Develop consensus on the chloride sources to Parkers Lake and potential projects to address these sources, and 3) Develop a recommendation for a future pilot project to reduce chloride concentrations in Parkers Lake, which may be able to be replicated in other areas of Hennepin County, and 4) help target education and training needs by landuse. A series of technical stakeholder meetings were held last fall and winter to develop recommendations on BMPs. A technical findings report will be presented this summer. Project website: [www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project](http://www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project)

**2021 Mt. Olivet Stream Restoration Project (ML-20) (No change since February):** The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to design and construct the project. The city hired WSB for project design which is currently underway. 60% design plans were approved in June. 90% plans were approved at the August. Construction is currently underway. [www.bassettcreekwmo.org/projects/all-projects/mt-olivet-stream-restoration-project](http://www.bassettcreekwmo.org/projects/all-projects/mt-olivet-stream-restoration-project)

**2021 Main Stem Lagoon Dredging Project (BC-7) (See Item 5A):** The feasibility study for this project was approved in May 2020 with Alternative 2-all (dredge all three lagoons to 6-foot depth) being approved. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020. Rather than entering an agreement with a separate entity to design and construct this project, the Commission will implement the project in close coordination with the MPRB. At their meeting in November, the Commission approved a timeline for implementation and the Commission Engineer was directed to prepare a scope of work for project design and engineering. The engineering scope and budget were approved at the May 2021 meeting. Design and permitting got underway in summer 2021. Dredging of all three lagoons is planned for winter 2022/2023. A grant agreement for the \$250,000 Watershed Based Implementation Funding grant was approved at the January 2021 meeting. The project work

plan was approved by BWSR. In the spring 2021 the Commission approved a grant agreement for a Hennepin County Opportunity Grant for this project. An Environmental Assessment Worksheet was approved by the Commission at their October 2021 meeting and was submitted for a 30-day comment period by the City of Golden Valley as the RGU. A meeting of project stakeholders was held December 7<sup>th</sup> and 50% designs were approved at the December 2021 meeting. Comments were received on the EAW from multiple review agencies and one private citizen. Agency comments were relatively minor and expected. Comments from the citizen were more complex and detailed. Responses to comments were developed the RGU (city of Golden Valley) made an official declaration that no Environmental Impact Statement is needed. Staff reviewed a request from a resident to add “safety” benches to the ponds, reviewed reference materials and discussed in detail with MPRB. Determined safety benches aren’t appropriate or needed for this project and responded to the resident. Staff continues to develop construction plans including considering access routes to ponds to avoid entering railroad property. 90% plans will be reviewed at this meeting. Project website: [www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project](http://www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project)

**2022 Medley Park Stormwater Treatment Facility (ML-12):** The feasibility study for this project is complete after the Commission Engineer’s scope of work was approved last August. City staff, Commission Engineers and I collaborated on developing materials for public engagement over the fall/early winter. A project kick-off meeting was held in September, an internal public engagement planning meeting was held in October, and a Technical Stakeholder meeting with state agencies was held in November. A [story map of the project](#) was created and a survey to gather input from residents closed in December. Commission Engineers reviewed concepts and cost estimates have been reviewed by city staff and me. Another public engagement session was held in April to showcase and receive feedback on concept designs. The feasibility report was approved at the June meeting with a decision to implement Concept #3. At the July meeting the Commission directed staff to submit a Clean Water Fund grant application, if warranted. A grant application was developed and submitted. Funding decisions are expected in early December. A public hearing on this project was held in September with no members of the public attending. In September, a resolution was approved to officially order the project, submit levy amounts to the county, and enter an agreement with the city to design and construct the project. The city hired Barr Engineering to develop the project designs which are now underway. The BCWMC received a \$300,000 Clean Water Fund grant from BWSR in December 2021. 50% design plans were approved in February. A public open house on the project was held March 3<sup>rd</sup> at Brookview. A grant work plan was developed in March and a grant agreement was approved at the March meeting. 90% plans were approved at the May meeting. [www.bassettcreekwmo.org/projects/all-projects/medley-park-stormwater-treatment-facility](http://www.bassettcreekwmo.org/projects/all-projects/medley-park-stormwater-treatment-facility)

**2022 SEA School-Wildwood Park Flood Reduction Project (BC-2, 3, 8, 10) (No change since April):** The feasibility study for this project is complete after the Commission Engineer’s scope of work was approved last August. A project kick-off meeting with city staff was held in late November. Meetings with city staff, Robbinsdale Area School representatives, and technical stakeholders were held in December, along with a public input planning meeting. A virtual open house video and comment form were offered to the public including live chat sessions on April 8<sup>th</sup>. The feasibility study report was approved in June with a decision to implement Concept #3. A public hearing on this project was held in September with no members of the public attending. In September, a resolution was approved to officially order the project, submit levy amounts to the county, and enter an agreement with the city to design and construct the project. The city hired Barr Engineering to develop the project designs which are now underway. A virtual public open house was held February 3<sup>rd</sup>. 50% Design Plans were approved at the January meeting. 90% plans are being developed but are slightly behind schedule to allow for additional engagement with Robbinsdale Area Schools. [www.bassettcreekwmo.org/projects/all-projects/sea-school-wildwood-park-flood-reduction-project](http://www.bassettcreekwmo.org/projects/all-projects/sea-school-wildwood-park-flood-reduction-project).

**Administrator Report May 12 – June 6, 2022**

Subject	Work Progress
Education and Outreach	<ul style="list-style-type: none"> <li>• Discussed development of a new position at Hennepin County to implement education activities for WMOs partially using Watershed Based Implementation Funds, WMWA funds, and other education funding</li> <li>• Gathered education materials and resources for MN Water Steward with project on Northwood Lake and AIS materials for Medicine Lake volunteer</li> <li>• Gathered and delivered materials for use at Hah Wakpadan Community Celebration event; attended event</li> </ul>



	<ul style="list-style-type: none"> <li>• Participated in DEI workgroup meeting facilitated by Capitol Region Watershed District</li> <li>• Coordinated with Hennepin County re: future River Watch program participants</li> </ul>
<b>CIP</b>	<ul style="list-style-type: none"> <li>• Updated all CIP webpages, as needed</li> <li>• Finalize and post approved 2023 – 2028 CIP list</li> <li>• <u>Parkers Lake Chloride Reduction Project</u>: Reviewed and commented on draft technical findings document</li> <li>• <u>Main Stem Lagoon Dredging Project</u>: Participated in project coordination meeting</li> <li>• <u>Sweeney Lake Water Quality Improvement Project/Schaper Pond Diversion Project and Carp Management</u>: Communicated about planned summer activities with Sweeney Lake Association</li> <li>• <u>Bryn Mawr Meadows Water Quality Improvement Project</u>: Met with Commission Engineer to receive update on design plans, reviewed email correspondence</li> </ul>
<b>Henn Co. Chloride Initiative</b>	<ul style="list-style-type: none"> <li>• Set and attended small group HCCI meetings to review work on Marketing Campaign; corresponded with small group members and consultant between meetings</li> <li>• Corresponded with HCCI individuals about review assistance; and with M. Welch about interview for video</li> <li>• Set large group HCCI meeting date</li> </ul>
<b>Administration</b>	<ul style="list-style-type: none"> <li>• Developed agenda; reviewed and submitted invoices; reviewed financial report; reviewed and edited May meeting minutes; reviewed memos and documents for Commission meeting; disseminated Commission meeting information to commissioners, staff, and TAC; updated online calendar; participated in pre-meeting call with Chair Cesnik and Commissioner Engineer; drafted meeting follow up email; ordered catering for June Commission meeting</li> <li>• Discussed venues for future BCWMC and committee meetings with Golden Valley staff, Plymouth staff, and Westwood Nature center staff; secured BCWMC meeting space for June – August and space for monthly TAC meetings</li> <li>• Got signatures on checks and documents, mailed and filed agreements</li> <li>• Reviewed Met Council CAMP agreement and sent to Attorney Anderson for review</li> <li>• Drafted agreement with TRPD and sent to Attorney Anderson to finalize</li> <li>• Sent email to commissioners with updates and events</li> <li>• Arranged and attended Technical Advisory Committee meeting; created agenda and materials with Commission Engineer assistance</li> <li>• Assisted with gathering information and materials for 2021 financial audit</li> <li>• Finalized, posted, submitted 2021 Annual Report</li> <li>• Complete tort liability waiver and insurance proposal document</li> </ul>
<b>Intern Guidance</b>	<ul style="list-style-type: none"> <li>• Met with Juan Del Valle Lopez to discuss logistics of first day (via Zoom)</li> <li>• Corresponded with city staff to arrange job shadowing opportunities and tasks</li> <li>• Created calendar of activities for first two weeks of work</li> <li>• Met with Juan on his first day and provided introduction/overview of BCWMC's organization and work</li> </ul>
<b>Grant Work</b>	<ul style="list-style-type: none"> <li>• Updated BCWMC grant tracking spreadsheet</li> </ul>
<b>2025 Watershed Management Plan</b>	<ul style="list-style-type: none"> <li>• Met with Commission Engineers for bi-weekly progress/task check in</li> <li>• Developed and posted materials to new webpage for Plan Update <a href="https://www.bassettcreekwmo.org/document/2025-plan-update">https://www.bassettcreekwmo.org/document/2025-plan-update</a>.</li> <li>• Reviewed/commented on new display board</li> <li>• Reviewed/commented on draft Gaps Analysis</li> <li>• Developed and posted public input survey</li> </ul>
<b>Other Issues &amp; Projects</b>	<ul style="list-style-type: none"> <li>• Reviewed and commented on Commission Engineers' draft recommendations for updated or new agreements with Minneapolis and responsibilities documents or policies for FCP maintenance, inspections, and reviews; corresponded with Minneapolis staff to arrange follow up meeting</li> <li>• Reviewed responses to MPCA's questions about stressor identification monitoring</li> </ul>