



Bassett Creek Watershed Management Commission

Regular Meeting
Thursday, April 21, 2022

8:30 – 11:00 a.m.
Brookview, Golden Valley
Bassett Creek North Room

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 – March, 2022 Commission Meeting
- B. Acceptance of April 2022 Financial Report
- C. Approval of Payment of Invoices
 - i. Keystone Waters, LLC – March 2022 Administrative Services
 - ii. Keystone Waters, LLC – March 2022 Meeting Expenses
 - iii. Barr Engineering – March 2022 Engineering Services
 - iv. Kennedy & Graven – February 2022 Legal Services
 - v. Redpath – March 2022 Accounting Services
 - vi. Jan Voit – March 2022 Administrative Services
 - vii. Stantec – WOMP Services
 - viii. MN Assoc. of Watershed Districts – 2022 Membership Dues
 - ix. Three-One-Six Bar and Grill – Meeting Catering
- D. Approval to Appoint Administrator as BCWMC Representative for Watershed Based Implementation Funding Convene Process
- E. Approval to Execute Contract with PLM Lake & Land Management for Curly-leaf Pondweed Treatment, Medicine Lake
- F. Approval of Agreement with Met Council for 2022 Citizen Assisted Monitoring Program (CAMP)
- G. Approval to Execute Lawns to Legumes Grant Agreement
- H. Approval to Execute Grant Sub-contract with Metro Blooms for Lawns to Legumes Project
- I. Approval of Bryn Mawr Meadows Park Improvements, Minneapolis
- J. Approval of Bassett Creek Dog Park Project, Crystal
- K. Conditional Approval of Meadowbrook Elementary School Parking Lot Improvements, Golden Valley

5. BUSINESS

- A. Receive Update and Consider Approvals for Schaper Pond Carp Management (20 min)
- B. Receive Overview of BCWMC Joint Powers Agreement (30 min)
- C. Consider Recommendations from Technical Advisory Committee (20 min)

BREAK (at Chair's discretion)

- D. Consider Approval of Scope and Budget for Analysis of Alternatives to Jevne Park CIP Project (20 min)
- E. Receive Update on Watershed Management Planning Process (15 min)
 - i. Stakeholder Engagement Plan
 - ii. Official Notification Letters
 - iii. Plan Process Overview Fact Sheet
 - iv. City Input Form

6. COMMUNICATIONS (10 minutes)

- A. Administrator's Report
 - i. Update on Intern from Dougherty Family College
 - ii. Update on 2022 Chloride Monitoring in Lakes
 - iii. Celebration of Haha Wakpadan (Bassett Creek) Oral History Project
- B. Chair
- C. Commissioners
- D. TAC Members
 - i. Standing TAC Meetings
- E. Committees
 - i. Budget Committee
- F. Legal Counsel
- G. Engineer

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. Met Council Water Resources Update
- E. Smart Salting Legislation Support Letter
- F. Adopt a Shoreline Program - <https://freshwater.org/adopt-a-river/>
- G. Wetland Conservation Act Notices: Plymouth, Medicine Lake, Golden Valley

8. ADJOURNMENT

Upcoming Meetings & Events

- Metro MAWD – Tuesday April 19th, 7:00 p.m. via Zoom
- Discover Plymouth – Saturday April 23rd, 9:00 a.m. – 2:00 p.m., Plymouth Community Center
- Equity in Watershed Management Workshop – Monday April 25th, 6:00 – 8:00 p.m., Crystal Community Center
- MN Stormwater Committee Walking Tour of Bassett Creek – Thursday April 28th 3:00 – 5:00 p.m., meet at Utepils, Minneapolis; (Free, register at <http://cswea.org/minnesota/events/upcoming-events/>)
- BCWMC Budget Committee Meeting – Monday May 2nd 10:00 a.m., Sweeney Lake Room, Brookview



Bassett Creek Watershed Management Commission

AGENDA MEMO

Date: April 14, 2022

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: Background Information for 4/21/22 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 – March 17, 2022 Commission Meeting- ACTION ITEM with attachment

 - B. Acceptance of April Financial Report - ACTION ITEM with attachment

 - C. Approval of Payment of Invoices - ACTION ITEM with attachments (online) – I reviewed the following invoices and recommend approval of payment.
 - i. Keystone Waters, LLC – March 2022 Administrative Services
 - ii. Keystone Waters, LLC – March 2022 Meeting Expenses
 - iii. Barr Engineering – March 2022 Engineering Services
 - iv. Kennedy & Graven – February 2022 Legal Services
 - v. Redpath – March 2022 Accounting Services
 - vi. Jan Voit – March 2022 Administrative Services
 - vii. Stantec – WOMP Services
 - viii. MN Assoc. of Watershed Districts – 2022 Membership Dues
 - ix. Three-One-Six Bar and Grill – Meeting Catering

 - D. Approval to Appoint Administrator as BCWMC Representative for Watershed Based Implementation Funding Convene Process – ACTION ITEM no attachment – Approximately \$88,000 in Clean Water Funds were awarded to the Bassett Creek Watershed to be allocated to one or more water quality improvement projects over the next biennium. To access the funds, a “convene” meeting must be held with an official representative from BCWMC, representatives from Hennepin County and MN Board of Water and Soil Resources (BWSR), and two official city representatives. This group will discuss and decide which eligible project(s) (city or watershed projects) should receive the funding. As with the last convene meeting process two years ago, I recommend the BCWMC appoint me to officially represent the watershed due to my knowledge of BCWMC projects, programs, and funding needs. Alternatively, a commissioner or different staff member can be appointed to represent the watershed. The convene meeting itself will be open to other attendees as well. Learn more about the “convene” process at: http://bwsr.state.mn.us/sites/default/files/2021-11/Convene_Process_Metro_WBIF_FY22-23_0.pdf.

 - E. Approval to Execute Contract with PLM Lake & Land Management for Curly-leaf Pondweed Treatment, Medicine Lake – ACTION ITEM no attachment – As in years past, the Commission received a MnDNR permit to chemically treat curly-leaf pondweed in Medicine Lake. This year a [Lake Vegetation Management Plan \(LVMP\)](#) for Medicine was also approved by the Commission (at the March meeting) and by the DNR. The exact herbicide(s) to be used and extent of the treatment areas are still being evaluated in collaboration with DNR and TRPD, so a contract with an herbicide applicator has not yet been finalized. Treatments should be applied during a specific window of water temperatures, likely in May or early June. Staff recommends approval to execute a contract with PLM Lake and Land

Management similar in form to previous years and upon meeting the satisfaction of the Commission attorney. PLM has performed treatments in the past with good results and is familiar with the lake. While the treatment is expected to be more expensive this year due to the ability to treat a much larger area (through approval of the LVMP), funding is included in the APM/AIS budget line and TRPD shares the cost of the treatment. Further, BCWMC was recently selected by lottery to receive \$10,000 in MnDNR grant funds for the treatment. Other funding partners may also be sought.

- F. Approval of Agreement with Met Council for 2022 Citizen Assisted Monitoring Program (CAMP) – **ACTION ITEM with attachment** – *Staff recommends approval of the annual agreement with Met Council to cooperate in the CAMP which uses volunteers to collect water samples and data on 10 BCWMC lakes. The Commission Legal Counsel reviewed the agreement. More information on the CAMP is found here: <https://metro council.org/Wastewater-Water/Services/Water-Quality-Management/Lake-Monitoring-Analysis/Citizen-Assisted-Monitoring-Program.aspx>*
- G. Approval to Execute Lawns to Legumes Grant Agreement – **ACTION ITEM no attachment** – *The BCWMC was recently awarded a \$20,000 Lawns to Legumes grant for Phase 2 of the Resilient Yards for Pollinator Conservation in Northside Minneapolis to be implemented through Metro Blooms. (A similar grant for “Phase 1” was awarded in 2020 and is nearing completion.) The actual grant agreement is not yet available from the State. In order to begin work as soon as possible, staff requests authorization to enter into a Lawns to Legumes Neighborhood Demonstration Program Grant Agreement with BWSR, provided that the agreement meets the satisfaction of the Commission attorney. More information on the program is found here: <http://bwsr.state.mn.us/l2l>.*
- H. Approval to Execute Grant Sub-contract with Metro Blooms for Lawns to Legumes Project – **ACTION ITEM with attachment** – *With approval of the grant agreement in 4G, it would be appropriate to execute a sub-grant agreement with Metro Blooms to implement the project as with Phase 1 in 2020. As with Phase 1, Metro Blooms will implement all aspects of the project and will provide all necessary documentation for grant reporting. Metro Blooms has been building relationships with community members and successfully carrying out project goals on behalf of BCWMC. Attorney Anderson reviewed the attached sub-grant agreement. Staff recommends approval with execution only after full execution of the grant agreement with BWSR.*
- I. Approval of Bryn Mawr Meadows Park Improvements, Minneapolis – **ACTION ITEM with attachment** – *The proposed project includes reconstruction of a parking lot, entrance road, and trails, and installation of best management practices resulting in 19 acres of disturbance and 4.6 acres of reconstructed impervious surfaces, with a decrease of 0.4 acres of impervious surfaces. The project will be constructed in conjunction with, but is separate from, the BCWMC Bryn Mawr Meadows Water Quality Improvement Project (2021 CIP Project BC-5). The proposed project results in 3,700 yd³ of floodplain fill and 8,000 yd³ of compensating storage, resulting in a net gain of 4,300 yd³ of floodplain storage. Rate control and water quality requirements will be met with filtration basins. Staff recommends approval.*
- J. Approval of Bassett Creek Dog Park Project, Crystal – **ACTION ITEM with attachment** – *The proposed project is located along the North Branch of Bassett Creek in Bassett Creek Park, Crystal. The work includes construction of a new dog park, associated parking lots, and other site improvements including fence, trails, and utilities resulting in 4.34 acres of disturbance. The project creates 0.76 acres of new and fully reconstructed impervious surfaces, including an increase of 0.19 impervious surfaces. The project will result in 1 yd³ of floodplain fill and 53 yd³ of compensating storage, resulting in a net gain of 52 yd³ of floodplain storage. Rate control and water quality requirements do not apply due to the size of the project. Staff recommends approval.*

- K. Conditional Approval of Meadowbrook Elementary School Parking Lot Improvements, Golden Valley – **ACTION ITEM with attachment** – *The proposed project is in the Sweeney Lake subwatershed and includes a parking lot reconstruction and stormwater improvements resulting in 1.21 acres of land disturbance, creating 0.96 acres of new and fully reconstructed impervious surfaces, and an increase of 0.1 acres of impervious surfaces. Staff recommends conditional approval of the project as outlined in the attached memo.*

5. BUSINESS

- A. Receive Update and Consider Approvals for Schaper Pond Carp Management (20 min) – **ACTION ITEM with attachment** - *At the September 2021 meeting, the Commission approved an adaptive management approach to carp management in Schaper Pond, directed staff to investigate stocking panfish as a method to control carp reproduction, and directed staff to bring a scope and budget for carp removal activities should they become necessary this summer. The attached memo from the Commission Engineers includes a recommendation regarding panfish stocking and a scope and budget for carp removal.*
- B. Receive Overview of BCWMC Joint Powers Agreement (30 min) – **INFORMATION ITEM with attachment** – *At the March meeting, the Commission agreed that a presentation with an overview of the Joint Powers Agreement (JPA) by Commission Attorney Anderson would be beneficial for the Commission as the current JPA expires January 1, 2025 and some revisions to the document may be considered in the coming months and years. Attorney Anderson prepared the attached overview and will present information and answer questions about the JPA at this meeting. The JPA is found on the [BCWMC website under Document – Policy Documents](#).*
- C. Consider Recommendations from Technical Advisory Committee (20 min) – **ACTION ITEM with attachment** – *The TAC met on March 18th to discuss item related to the Flood Control Project and to review the 5-year Capital Improvement Program (CIP). The attached memo includes their recommendations.*

BREAK (at Chair’s discretion)

- D. Consider Approval of Scope and Budget for Analysis of Alternatives to Jevne Park CIP Project (20 min) - **ACTION ITEM with attachment** – *At the meeting in March, the Commission directed the Commission Engineer to develop a scope and budget for analyzing alternatives to the Jevne Park CIP Project. The attached memo presents the recommended scope and budget for the Commission’s consideration.*
- E. Receive Update on Watershed Management Planning Process (15 min) – **INFORMATION ITEM with attachments online** – *Initial stakeholder engagement activities are underway for the 2025 Watershed Management Plan, following the scope and budget approved at the February meeting (and included in final form as [Item 7D](#) in the March meeting packet). A planning webpage is in development and will house all public documents related to plan development. The following documents (currently available in the online meeting packet) were recently drafted. The Stakeholder Engagement Plan was reviewed by BWSR; the official notification letters were sent to member cities, review agencies, and local stakeholders; and a fact sheet and city input form were sent to cities.*
- i. Stakeholder Engagement Plan
 - ii. Official Notification Letters
 - iii. Plan Process Overview Fact Sheet
 - iv. City Input Form

6. COMMUNICATIONS (10 minutes)

- A. Administrator's Report - **INFORMATION ITEM with attachment**
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- [BCWMC Budget Committee Meeting](#) – Monday May 2nd 10:00 a.m., Sweeney Lake Room, Brookview



Bassett Creek Watershed Management Commission

DRAFT Minutes of Regular Meeting

Thursday, March 17, 2022

8:30 a.m.

Via video conference due to the COVID-19 global pandemic

1. CALL TO ORDER and ROLL CALL

On Thursday, March 17, 2022 at 8:30 a.m. via video conference, Vice Chair Welch brought the Bassett Creek Watershed Management Commission (Commission) to order. Chair Cesnik could not attend due to a conflict.

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	Clint Carlson	Shaun Kennedy	Susan Wiese
Minneapolis	Michael Welch	Jodi Polzin	Liz Stout, Katie Kowalczyk
Minnetonka	<i>Vacant Position</i>	<i>Vacant Position</i>	Leslie Yetka
New Hope	Jere Gwin-Lenth	Pat Crough	Nick Macklem
Plymouth	<i>Absent</i>	Monika Vadali	Ben Scharenbroich
Robbinsdale	<i>Absent</i>	<i>Vacant Position</i>	Richard McCoy
St. Louis Park	<i>Vacant Position</i>	<i>Absent</i>	<i>Absent</i>
Administrator	Laura Jester, Keystone Waters		
Engineers	Karen Chandler, Stephanie Johnson: Barr Engineering; Erik Bye, S.E.H.		
Recording Secretary	<i>Absent</i>		
Legal Counsel	Dave Anderson, Kennedy & Graven		
Presenters/ Guests/Public	Council Member Chris Heim, City of Medicine Lake		

Shaun Kennedy was introduced as the new alternate commissioner for the City of Medicine Lake.

2. PUBLIC FORUM ON NON-AGENDA ITEMS

No comments from the public were made.

3. APPROVAL OF AGENDA

MOTION: Commissioner Gwin-Lenth moved to approve the agenda. Commissioner Carlson 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.

4. CONSENT AGENDA

The consent agenda was amended to move item 4H and add it to the business agenda right before the consideration of the Jevne Park Capital Improvement Project (CIP). The following items were approved as part of the consent agenda.

- Approval of February 17, 2022 Meeting Minutes
- Acceptance of March Financial Report
- Approval of Payment of Invoices
 - i. Keystone Waters, LLC – February 2022 Administrative Services
 - ii. Keystone Waters, LLC – February 2022 Meeting Expenses
 - iii. Barr Engineering – February 2022 Engineering Services
 - iv. Kennedy & Graven – January 2022 Legal Services
 - v. Redpath – February 2022 Accounting Services
 - vi. Jan Voit – February 2022 Administrative Services
 - vii. Metro Watershed Partners – 2022 Contribution
 - viii. MPCA – CIP Project RAP Review & Implementation
- Approval of Medicine Lake Vegetation Management Plan
- Approval of Resolution of Appreciation for John Elder
- Approval of Resolution of Appreciation for Pat Crough
- Approval to Adopt Data Practices Policy
- Approval of Reimbursement Agreement with City of Minneapolis
- Approval of Grant Agreement for Medley Park Stormwater Project Clean Water Funds
- Approval of Resolution of Appreciation for Gary Holter

MOTION: Commissioner Gwin-Lenth moved to approve the consent agenda as amended. Commissioner Carlson 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.

Vice Chair Welch noted that Administrator Jester was able to work with the Commission’s legal counsel to get a reimbursement agreement with the City of Minneapolis for the issue with the tunnel.

5. BUSINESS

Administrator Jester explained that there were representatives of the City of Medicine Lake in attendance and that it would be prudent to move the discussion of item 4H earlier on the agenda.

Moved off consent: 4H Approval of Peninsula Road Street and Utility Improvements, City of Medicine Lake

Vice Chair Welch stated that he wanted commissioners to be sure to review the street and utility improvements because it provides some context for the Jevne Park CIP Project discussion later in the agenda.

Engineer Chandler stated that she believed the Commissioners would like to know how this is connected to the alternatives to the Jevne Park CIP project. Rain gardens were removed from the alternatives to be analyzed because if raingardens were feasible, they should have been considered as part of the Peninsula Road project to meet the city’s MS4 permit. However, there is narrow right of way and high groundwater in the area, limiting the ability for raingarden installation.

Engineer Chandler reported that in the alternatives analysis of the Jevne Park Project, they would develop a scope and budget to consider shoreline restoration and buffers, street sweeping, and other structural or non-structural practices.

MOTION: Commissioner Welch moved to approve the Peninsula Road Street and Utility Improvements submitted with the condition that field delineations and WCA approvals must be completed before the start of construction. Commissioner Gwin-Lenth 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.

Commissioner Carlson requested that the discussion of item 5D be moved earlier in the agenda.

D. Consider Directing Commission Engineer to Develop Scope and Budget for Analysis Alternatives to Jevne Park CIP Project

Vice Chair Welch stated that this discussion should have a very narrow focus that will be explained by Commission Engineer Chandler. Engineer Chandler explained that the Commission is being asked to consider directing the engineer to develop a scope and budget for analyzing possible alternatives to the Jevne Park Water Quality Improvement Project. Some of the things that the engineer believes could provide water quality benefits include shoreline restoration and buffers along properties adjacent to Medicine Lake. Determining the water quality benefits of these practices, as well as expanded or augmented street sweeping, is the intent so the Commission can make an informed decision about whether it is worth pursuing. The scope and budget would be developed using the CIP funds that are still available.

Administrator Jester reminded the Commissioners that the Jevne Park project was officially ordered, but the agreement with the City of Medicine Lake was never approved because the city did not want to move forward with it at the time. The project was only designed to capture approximately four pounds of phosphorus and lower the floodplain by a few inches. There is the possibility that alternative best management practices (BMPs) could capture as much or more phosphorus, but we do not know that for certain. We believe it is prudent to analyze the alternatives.

Commissioner Harwell said that in terms of the benefits, cost per pound, and lake level, it seemed like the project was less than desirable. She would be in favor of the analysis. Commissioner Gwin-Lenth stated that he is intrigued about the alternatives. Looking at cost-benefit for how much benefit there is for lakeshore buffers and street sweeping would be beneficial for other areas of the watershed as well. Commissioner Carlson said that he was in agreement.

Council Member Heim responded that when the City of Medicine Lake first looked at the Jevne project, it did not seem there was enough benefit. There has been an ongoing need to do whatever they can to improve stormwater. They worked very closely with S.E.H. as they were redesigning the road and the topic of stormwater came up several times. He appreciated the Commission considering the analysis and redirecting the funds. With the new engineering plan, they know how the water will flow and how the road will perform. There was little opportunity for rain gardens along the road, otherwise they would have done that. They would love to have a study done so they can inform property owners that shoreline restoration could be done on their property. He wondered if rain gardens could be done between the homes to capture water before it gets to the lake.

Vice Chair Welch said that to be clear, what is before the Commission will specifically not include rain gardens because if that was possible, it should have been done in conjunction with the road project and it was determined not to be possible.

There was discussion about raingardens, including noting that there are two types: one is where water can be infiltrated for volume reduction of stormwater and one where the soils are amended such as bioretention ponds. The infiltration type won't work in this area because of poorly drained soils and high ground water. The bioretention basins could potentially work. Commissioner Harwell noted that we are talking about flood reduction and water quality with this project. Raingardens don't provide any flood reduction benefit, so she did not want an extensive study to locate small pockets where rain gardens could be placed. She would like to see a study that shows the best options for flood reduction and water quality.

Vice Chair Welch said that he wants to be clear that our engineer is not looking at rain gardens. We are discussing an item that was previously removed from the scope.

MOTION: Commissioner Harwell moved to authorize the Commission Engineer to develop a scope of work and budget in accordance with the recommendation presented in the Administrator's memo. Commissioner Carlson 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.

A. Consider Approval of 90% Design Plans for Bryn Mawr Meadows Water Quality Improvement Project

Administrator Jester explained that the Commission reviewed the 50% plans for the Bryn Mawr project in January. This project is being built in conjunction with the Minneapolis Park and Recreation Board's (MPRB) redevelopment of Bryn Mawr Meadows Park in the City of Minneapolis. Since the park is being redeveloped, this is an opportunity to capture stormwater that previously flowed untreated into Bassett Creek. In January, the Commission heard that the estimated construction costs had risen considerably. There was discussion about how to pay for this at the last

two meetings. Estimated costs have increased even more since January. The estimated construction cost is now close to \$1.6 million. The Commission Engineers and Administrator continue to recommend approval of the original design for the project. There are some cost reduction options that have been considered. However, they believe it is important to take this opportunity to capture as much stormwater as possible. With the original design, the cost of phosphorus removal is about \$2,500 per pound. Other projects have had higher phosphorus removal costs.

Vice Chair Welch set a framework for discussion to help set expectations from our engineer for what the Commission would like to hear. He is frustrated with the alternatives that are solely based on cost and are not recommended by the engineer. The cost seems to increase every time this item is on the agenda. He would like to hear why the costs continue to increase. He asked if Commissioners had any other information they would like to hear in the review.

Alternate Commissioner McDonald Black asked if this was the new reality in terms of cost. Will we continue to bump up against costs doubling? If that is the case, we can't take the time to rethink every project. To take a project in a fully developed watershed and strip components seems counterproductive.

Commission Engineer Johnson gave a PowerPoint presentation regarding the project components including the goals and feasibility study recommendation for the design as presented in the memo. The feasibility study recommended Concept 3, which included two stormwater ponds in the park and two diversion structures in the city right of way. The 50% and 90% design plans reflect the base components of Concept 3.

She highlighted things that have changed since the 50% design plans were approved, including an upsized diversion pipe that increased pollution reduction. The grading around the southern pond was modified as requested by the MPRB. Some of the drainage and equalizer pipes were relocated as well as the northern pond outlet structure.

There is known contamination on the site. Barr Engineering is developing a Response Action Plan (RAP) that will address the needs of the MPRB project as well as the Commission's water quality project. The MPRB is the lead agency in submitting the RAP to the Minnesota Pollution Control Agency and implementing the RAP.

The 90% cost estimates are approximately \$1.6 million. This includes all the items previously explained. The Commission Engineer has looked at cost estimates submitted for other projects in early 2022. This information, along with standard bid prices, was used to develop the cost estimate. They cannot predict or control what is submitted on bid sheets. They give a range for decision makers, acknowledging that uncertainty remains in the process.

She provided an explanation for the increased costs. There have been significant increases in construction costs over the past three and a half years. The pond footprints and grading require increased excavation. The lack of environmental data within the pond areas requires additional contingency. There have been additional requirements for street work and storm sewer design as the work has progressed. Landscaping around the pond edges was updated to account for pond bounce during establishment.

Vice Chair Welch wanted to focus on what happened between 50% and 90% cost-wise. In particular, it is important to recognize that there are suggestions for project improvement.

Engineer Johnson replied that based on comments from the MPRB and the city, there were design modifications including moving the outlet structure and the 12" pipe. The costs have increased from the 50% to the 90% design stage. Now we are looking at bids from early 2022, which give a better picture of the actual market prices. At the 90% design, the annual estimated phosphorus removal is 37 pounds per year at a cost of \$2,552 per pound. With the cost increases, the estimated phosphorus removal cost is not significantly higher than what was previously estimated. She reviewed the project schedule. Permitting will be done by the MPRB. Estimated 100% plans and specifications will be complete in April, with bidding in April and May.

Vice Chair Welch said there are a couple of points he wanted to make. In the memo on page two, the approved concept would capture and divert stormwater runoff from 45.1 acres of residential area west of Bryn Mawr Meadows Park and low flows that discharge from the Minnesota Department of Transportation's (MnDOT's) Penn Pond. Stormwater runoff from the residential area currently flows to Bassett Creek untreated. This is an amazing opportunity. We had an estimate of 30 pounds of phosphorus removal. We are going up from that, which is great. At the same time, the cost increases are nerve-wracking. He asked if the approval of the RAP was included in the cost estimate and asked for a status update. Engineer Johnson responded that the RAP is in draft form, once approved by MPRB it will be submitted to MPCA.

It was noted that bidding is currently “all over the map” but that Hennepin County Commissioner Fernando encouraged the Commission to be ambitious.

Engineer Johnson explained that the sanitary sewer project for the City of Minneapolis is currently under construction in the area between where the ponds are planned. Barr Engineering is doing the environmental engineering work for this. The Barr team has been working on the environmental considerations for both projects.

Minneapolis TAC Member Liz Stout said the sanitary sewer alignment was planned in conjunction with the park master plan and the Commission’s water quality project. The designs were planned to work together so the projects could be done within the same footprint.

Alternate Commissioner Polzin asked if the engineers had explored with the MPRB how you can do some sharing or savings or doing things jointly to reduce costs? For example, taking some of the good soils and spreading them on the site rather than hauling them away. Engineer Johnson responded that is a good question and that those conversations are continuing. Because the Commission’s water quality project is further along than the park redesign, we have made conservative cost estimates based on that type of collaboration. We continue to work to identify opportunities for cost savings.

Alternate Commissioner Polzin asked if they were also being conservative with the cost and proportion of the contaminated soils that need to be removed from the site? Engineer Johnson replied that they have done their best to do that. This is an area of uncertainty for our team but they are using the best information we have on the site to inform the estimate. We are assuming about 30% of the soil is contaminated and will be removed from the site. An environmental cost contingency is also included in the estimate should additional excavation be necessary. As part of the RAP, we are recommending collection of additional samples to help inform the project.

MOTION: Vice Chair Welch made a motion to approve the 90% drawings, with no modifications to reduce costs, and authorize the Engineer to continue working with the MPRB and the City of Minneapolis to complete the plans and design documents. 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.

B. Consider Options for Funding Bryn Mawr Meadows Water Quality Treatment Project

Administrator Jester explained that because the Commission approved the 90% plans for the project, that has implications for the 2023 levy. She noted that after speaking with member cities, looking at the closed project account, and all of the cash we need to have on hand to implement current and future projects, not much can be shifted in the current CIP schedule to alleviate the impact on the 2023 budget. She did increase the closed project account from \$800,000 to \$1 million after considering the funding available because some projects came in under budget.

She noted that with the Bryn Mawr Project, the 2023 levy is estimated at \$2.2 million. Vice Chair Welch reminded the Commission that Hennepin County Commissioner Irene Fernando did express her thoughts that the Commission should be ambitious and implement what it needs. It will not be a surprise to Hennepin County Commissioners that costs have risen because they are seeing it in their projects. Administrator Jester noted the Commission is not setting the maximum levy at this meeting; she is simply asking for direction. She noted the TAC will look at the complete five-year CIP at its next meeting and other project budgets will come into focus. It is anticipated that the maximum levy will be set at the May meeting.

Vice Chair Welch recommended that the Commission “stay the course” and proceed with the levy as projected without cutting costs to Bryn Mawr or other projects. He recommended contacting Commissioner Fernando and her aide to inform them about the project status and levy. Commissioner Harwell agreed and noted she hoped the high levy wouldn’t be a big shock and won’t be viewed as the Commission is excessively spending. She noted it helps to have frequent and clear communication.

Alternate Commissioner Polzin said that there are two other significant projects that are going to be included in the 2023 budget. She asked if we have confidence that these numbers are close to what is needed or if they will also be increasing.

Administrator Jester stated that we are fairly certain about the cost projections for the Medicine Lake Road Flood Mitigation Project and the Medley Park Stormwater Treatment Facility and the Lagoon Dredging Project as all projects are between the 50% to 90% design phases. They have been watching costs during design and she noted that costs for these projects will be spread over several years so there’s still an opportunity in 2024 to make up costs

if needed. She feels comfortable with the project levy table as presented. She also noted that communication with Commissioner Fernando does not have to include exact numbers. It can be a heads up explaining that costs are rising and it looks like our levy is going to be considerably higher than it was in 2022. We will see her in person at the Equity in Watershed Management Workshop on April 25. That will be a nice opportunity to touch base with her.

No action needed.

C. Consider Approval of Agreement with Minneapolis Park and Recreation Board and City of Minneapolis for Construction of Bryn Mawr Meadows Water Quality Improvement Project

Administrator Jester stated that coming to this agreement has taken a lot of conversation and negotiation with the MPRB and city staff. She noted is slightly different than other CIP reimbursement agreements because the city and MPRB will not be able to cover additional costs above the reimbursement cap.

Commission Attorney Anderson also stated that this is different from other Commission CIP projects. The Commission Engineers are doing more than they normally do. The work is being performed and contracted by both the City of Minneapolis, the Commission, and the MPRB. It provides for reimbursement up to the estimated construction maximum of \$1.6M. It builds in contingencies in case bids are above that amount. There is some flexibility in division of work between the MPRB and the city as it is not exactly known how much work each will be doing. It is expected that the MPRB is doing about 95% of the work through their contractors.

Vice Chair Welch reported that he did discuss this agreement with Administrator Jester and Commission Attorney Anderson. We looked at adding an indemnification for the Commission for site conditions since it is not in the agreement. After discussion, we agreed that it wasn't worth upsetting the process to request this change. He appreciated the work done by our administrator and legal counsel.

MOTION: Commissioner Gwin-Lenth made a motion to authorize the Chair and Secretary of the Commission to execute the Agreement with Minneapolis PRB and City of Minneapolis for Construction of Bryn Mawr Meadows Water Quality Improvement Project. 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.

{A five-minute break was taken.}

E. Consider Recommendations from Administrative Services Committee

Administrator Jester reported the Administrative Services Committee met on March 9th and Commissioner Harwell chaired the meeting.

i. Financial Services Resolution

Vice Chair Welch noted that the Administrative Services Committee recommends adoption of this resolution. Commission Attorney Anderson assisted in drafting the resolution. This was recommended to provide more explicit guidance on roles of the Deputy Treasurer (Sue Virnig with the City of Golden Valley) and the contracted accountants.

MOTION: Commissioner Gwin-Lenth made a motion to adopt Resolution 22-05 Appointing a Deputy Treasurer and Designating Account Access. Alternate Commissioner Vadali 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.

ii. Results of Staff Evaluations

Commissioner Harwell reported that she compiled the survey responses verbatim. The compilation was distributed to the Commission. There were positive responses for Administrator Jester and Barr Engineering. In terms of Administrator Jester, there are concerns about her being overloaded with things to do. She does a really good job with assigned tasks, keeping us on budget, and communication. She is willing to go above and beyond. With so many commissioners leaving, it was noted that Administrator Jester has taken time to walk new and seasoned commissioners through materials and issues that need explanation. Something to consider for the future is a format for orientation and training. For Barr Engineering, everyone is satisfied with work they are doing. There were some comments about invasive species. There were no comments regarding legal counsel.

Vice Chair Welch noted that he and Administrator Jester met to discuss their working relationship. It was a good session. As always, we maintain a robust dialogue that is appreciated. There is no action on this item. We do have an updated administrator contract that is directly related to the evaluation.

iii. Updated Administrator Contract

Vice Chair Welch stated that Administrator Jester needs more time allotted to account for her workload she has in the coming year. Administrator Jester said that her current contract was last amended in 2019. It assumed that she would be working approximately 80 hours a month for the Commission. In the last 14 months, her time for the Commission's general business, has taken closer to 88 hours a month. In addition to that, she will be working on the Watershed Management Plan (WMP) update. That will increase the time she has to spend on Commission business. An hourly rate increase was requested in 2023.

Commissioner Harwell noted her support of the contract amendment.

Vice Chair Welch noted the contract is retroactive to February 1, 2022.

MOTION: Commissioner Gwin-Lenth made a motion to authorize the Chair and Secretary to execute the Administrator Contract as it appears in the memo. Commissioner Welch seconded the motion.

Alternate Commissioner McDonald Black stated that a four percent increase over three years is an incredibly small amount for someone who has done such an incredible job. We have a great team and she is a great leader.

Upon a roll call vote, the motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

Administrator Jester said that she and Commission Engineer Chandler appreciate the feedback, even when it is not evaluation time. We are happy to hear from Commissioners and we like to keep the lines of communication open. If the Commissioners have questions or need more information, please reach out to either of them at any time. She is very happy to work for this organization and feels she has the best job in town.

Commission Engineer Chandler noted she feels like we have great synergy and thanked the Commission for the opportunity to continue working with Administrator Jester and them.

Vice Chair Welch responded that we owe it to our Administrator, Engineer, and Legal Counsel to give them substantive feedback. The Commissioners two most important jobs are to read the information provided and to ask questions. As Commissioners, give our Administrator and Engineer a heads up on what you are thinking. If they know questions in advance, we will get better answers.

iv. Return to In Person Meetings

Commissioner Harwell explained that it seems we are entering a different phase of COVID. The question is whether to hold virtual meetings versus in-person. There are benefits to both.

Vice Chair Welch noted that the reality is we are having our workshop in-person on April 25. The immediate question is, do we have our April meeting at Brookview? The hybrid option is not viable. He was curious what legal counsel's other clients are doing.

Administrator Jester recommended that the Commission return to in-person meetings starting on April 21. She noted the room at Brookview is large. She checked with Chair Cesnik and she is comfortable going back to in-person meetings.

Commission Attorney Anderson said that the Commission has done a good job discussing this and getting perspectives from the entire group. It is a Chair decision, as that is what the statute provides. He thought it was important that everyone provides their input. The majority of his and the firm's municipal clients are trending toward in-person in April and/or May. The only legal basis to remain in remote fashion is that we are in a health pandemic. That is clearly heading in the other direction. From a legal standpoint, moving to in-person in April is a good idea. The hybrid option would be for consultants and guests to join, not Commissioners. He is fully supportive of Administrator Jester's recommendation.

Vice Chair Welch stated that he believes there are benefits to the hybrid option but there are also challenges. If we can accommodate attendance remotely, it would allow consultants to make presentations and the public to attend.

Commissioners offered their thoughts on in-person meetings vs. virtual meetings including comments from Commissioners Gwin-Lenth, Vadali, Harwell, and Kennedy. It was noted that the MN Dept. of Health continues recommending mask wearing and that cases are actually rising slightly in the U.S. and in Europe. The U of M no longer requires masks except in labs and lecture halls. It was noted that mask wearing at meetings should be recommended and that seats are appropriately spaced and that commissioners and others not feeling well should not attend the meeting.

Vice Chair Welch stated that in order to have our April meeting in-person, Chair Cesnik will need to withdraw her resolution declaring a pandemic and requiring us to meet virtually.

Vice Chair Welch stated that it would be left to the Chair's discretion, and she should work with Administrator Jester to make a statement about masking for the meeting. The consensus was that the Commission should return to in-person meetings.

v. Joint Powers Agreement

Vice Chair Welch explained that the Joint Powers Agreement (JPA) will be critical in charting a path for the next 10 years in implementing the 2025 Watershed Management Plan (WMP). The committee thought it would be a good idea for Commission Attorney Anderson to provide a layman's review and presentation on what the JPA is, how it works, what it says we can and cannot do.

Commissioner Harwell replied that a presentation is a good idea. If there is a presentation, it should be in a user-friendly format that can be posted on the website. It would be useful, and another effort at transparency, for residents to understand how the Commission operates. Administrator Jester said this would be helpful and added to a Commission agenda. It could also be wrapped into an upcoming Plan Commission workshop on the WMP.

6. COMMUNICATIONS

A. Administrative Report

Administrator Jester reiterated that the Equity in Watershed Management Workshop will be held on April 25 at the Crystal Community Center. She gave an overview of the agenda. A flyer/invitation will be distributed soon. Regarding the WMP development, the notification letter will be sent to plan reviewers in April. She is developing the outreach plan which will be on the April agenda for review and approval.

The Commission received a grant of \$10,000 from the Department of Natural Resources for curly leaf pondweed management in Medicine Lake.

The limited liability for chloride legislation bill continues to move through both the House and Senate committees. Given the Commissions interest in this and direction to support, she has signed on to two letters of support.

Vice Chair Welch said that the Minnesota Association of Watershed Districts (MAWD) Legislative Days were held last night and today. There are advocates for this legislation that are supporting the effort.

B. Chair

No report was given.

C. Commissioners

No reports were given.

D. TAC Members

TAC meeting coming up on March 18. Golden Valley TAC Member Eckman reported on the in-person Medley Park Project open house on March 3. Over 600 letters were sent to residents but only five attendees and a few comments, mostly on park amenities like trails and benches.

E. Committees

The budget committee is meeting in-person on March 30. Administrator Jester is trying to schedule an education committee meeting.

F. Legal Counsel

Commission Attorney Anderson stated that the Declaration of Pandemic statement should be withdrawn at least three days before the committee meeting to ensure the public notice requirements for posting are met.

G. Engineer

Commission Engineer Chandler pointed out that there is a walking tour highlighting Bassett Creek projects on April 28. She encouraged Commissioners to attend. Registration is required. It is a free event. Engineer Chandler will be attending the event at no charge to the Commission. Administrator Jester will also attend.

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. 2025 Watershed Management Plan Scope and Budget – Final Document
- E. MN Stormwater Committee Bassett Creek Walking Tour Flyer
- F. Blue Thumb Workshops - [Resilient Yards and Pollinator Yards](#)
- G. WCA Notice of Decision, Golden Valley

8. ADJOURNMENT

MOTION: Commissioner Jere Gwin-Lenth made a motion to adjourn the meeting at 10:45 a.m. Commissioner Harwell seconded the motion. Administrator Jester thanked Commissioner Crough for his service on the Commission. The Commission appreciates his attendance and input over the years.

Upon a roll call vote, the motion carried 6-0, with the cities of Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

BCWMC April Financial Report - General Ledger		Capital Improvement Projects	General Fund	TOTAL
ASSETS				
Current Assets				
Checking/Savings				
	101 · Wells Fargo Checking	-241,694.71	344,679.94	102,985.23
	102 · 4MP Fund Investment	3,501,105.22	881.40	3,501,986.62
	103 · 4M Fund Investment	2,483,511.82	138.54	2,483,650.36
	Total Checking/Savings		345,699.88	6,088,622.21
Accounts Receivable		0.00		
	111 · Accounts Receivable	0.00	600.67	600.67
	112 · Due from Other Governments	-687,466.19	6,777.00	-680,689.19
	113 · Delinquent Taxes Receivable	20,717.00	0.00	20,717.00
	Total Accounts Receivable		7,377.67	-659,371.52
Other Current Assets				
	114 · Prepays	0.00	2,978.75	2,978.75
	Total Other Current Assets	0.00	2,978.75	2,978.75
	Total Current Assets	5,076,173.14	356,056.30	5,432,229.44
TOTAL ASSETS		5,076,173.14	356,056.30	5,432,229.44
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Other Current Liabilities				
	212 · Unearned Revenue	200,000.00	27,618.92	227,618.92
	251 · Unavailable Rev - propert	20,717.00	0.00	20,717.00
	Total Other Current Liabilities	220,717.00	27,618.92	248,335.92
	Total Current Liabilities	220,717.00	27,618.92	248,335.92
	Total Liabilities		27,618.92	248,335.92
Equity				
	311 · Nonspendable prepaids	0.00	3,223.00	3,223.00
	312 · Restricted for improvements	5,260,202.50	0.00	5,260,202.50
	314 · Res for following year budget	0.00	5,000.00	5,000.00
	315 · Unassigned Funds	0.00	493,025.05	493,025.05
	32000 · Retained Earnings	-279,556.84	-83,003.30	-362,560.14
	Net Income	-670,201.50	455,204.61	-214,996.89
	Total Equity	4,310,444.16	873,449.36	5,183,893.52
TOTAL LIABILITIES & EQUITY		4,531,161.16	901,068.28	5,432,229.44
UNBALANCED CLASSES		545,011.98	-545,011.98	0.00

BCWMC April Financial Report - Operating Budget							
			Annual Budget	Mar 18 - Apr 21, 22	Feb 1 - Apr 21, 22	Budget Balance	
Income							
	411	Assessments to Cities	565,998.00	0.00	565,998.00	0.00	
	412	Project Review Fees	60,000.00	5,000.00	11,000.00	49,000.00	
	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	0.00	0.00	0.00	
	416	TRPD Reimbursement	1,400.00	0.00	0.00	1,400.00	
	417	Transfers from LT & CIP	74,949.00	0.00	0.00	74,949.00	
Total Income			707,347.00	5,000.00	576,998.00	130,349.00	
Expense							
1000 - Technical Work							
	1010	Technical Services	145,000.00	13,131.00	25,472.00	119,528.00	
	1020	Development/Project Reviews	75,000.00	16,435.50	25,074.00	49,926.00	
	1030	Non-fee and Preliminary Reviews	22,000.00	1,140.00	5,084.00	16,916.00	
	1040	Commission and TAC Meetings	14,000.00	1,151.00	1,928.00	12,072.00	
	1050	Surveys and Studies	10,000.00	0.00	0.00	10,000.00	
	1060	Water Quality / Monitoring	110,000.00	2,853.53	6,720.11	103,279.89	
	1070	Water Quantity	8,000.00	584.63	1,213.26	6,786.74	
	1080	Annual Flood Control Inspection	12,000.00	3,084.50	3,084.50	8,915.50	
	1090	Municipal Plan Review	2,000.00	0.00	0.00	2,000.00	
	1100	Watershed Monitoring Program	28,500.00	1,463.72	1,463.72	27,036.28	
	1110	Annual XP-SWMM Model Updates	5,000.00	4,593.00	8,694.00	-3,694.00	
	1120	TMDL Implementation Reporting	7,000.00	0.00	0.00	7,000.00	
	1130	APM/AIS Work	13,000.00	0.00	0.00	13,000.00	
	1140	Erosion Control Inspections	0.00	0.00	0.00	0.00	
		1000 - Technical Work - Other		0.00	0.00	0.00	
Total 1000 - Technical Work			451,500.00	44,436.88	78,733.59	372,766.41	
2000 - Plan Development							
	2010	Next Gen Plan Development	18,000.00	2,266.50	4,096.50	13,903.50	
		2000 - Plan Development - Other		0.00	0.00	0.00	
Total 2000 - Plan Development			18,000.00	2,266.50	4,096.50	13,903.50	
3000 - Administration							
	3010	Administrator	70,848.00	7,596.00	21,906.00	48,942.00	
	3020	MAWD Dues	7,500.00	7,500.00	7,500.00	0.00	
	3030	Legal	17,000.00	2,080.00	2,080.00	14,920.00	
	3040	Financial Management	13,500.00	1,000.00	2,000.00	11,500.00	
	3050	Audit, Insurance & Bond	18,700.00	0.00	0.00	18,700.00	
	3060	Meeeting Catering	1,300.00	273.05	273.05	1,026.95	
	3070	Administrative Services	8,000.00	563.65	1,609.25	6,390.75	
		3000 - Administration - Other		0.00	0.00	0.00	
Total 3000 - Administration			136,848.00	19,012.70	35,368.30	101,479.70	
4000 - Education							
	4010	Publications / Annual Report	1,300.00	95.00	95.00	1,205.00	
	4020	Website	1,800.00	0.00	0.00	1,800.00	
	4030	Watershed Education Partnership	18,350.00	0.00	3,500.00	14,850.00	
	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	
Total 4000 - Education			50,550.00	95.00	3,595.00	46,955.00	
5000 - Maintenance							
	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	
		5000 - Maintenance - Other		0.00	0.00	0.00	
Total 5000 - Maintenance			50,000.00	0.00	0.00	50,000.00	
Total Expense			706,898.00	65,811.08	121,793.39	585,104.61	
Net Income			449.00	-60,811.08	455,204.61	-454,755.61	

BCWMC April Financial Report - CIP						
		Annual Budget	Mar 18 - Apr 21, 22	Feb 1 - Apr 21, 22	Inception to Date Expense	Remaining Budget
Income						
	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		
	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		
	Total Income	0.00	0.00	3,789.48		
Expense						
	2017CRM · CIP-Main Stem Cedar Lk Rd-Dupoi	1,064,472.00	0.00	595,535.42	727,564.67	336,907.33
	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	912,000.00	32,416.56	65,796.56	205,865.33	706,134.67
	BC-7 · CIP-Main Stem Lagoon Dredging	2,759,000.00	5,214.50	8,353.50	127,415.72	2,631,584.28
	BCP-2 · CIP- Basset Cr Pk & Winnetka	1,123,351.00	0.00	0.00	1,066,648.32	56,702.68
	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	0.00	56,390.75	443,609.25
	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	1,796.00	3,200.00	446,278.42	165,721.58
	SL-8 · CIP-Sweeney Lake WQ Improvement	568,080.00	354.00	1,105.50	344,657.57	223,422.43
	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
	Total Expense	15,480,226.00	39,781.06	673,990.98	5,809,259.01	
	Net Income	-15,480,226.00	-39,781.06	-670,201.50		

BCWMC April Financial Report - Long Term AccountsTotal						
	Total Budget	Mar 18 - Apr 21, 22	Year-to-Date	Inception to Date	Remaining Budget	
Income						
Flid1 - Flood Control Long Term Maint		0.00	0.00	179,421.90		
Flid2 - Flood Control Long Term Exp	699,980.00	0.00	0.00	484,266.41		
Total	699,980.00	0.00	0.00	-304,844.51	395,135.49	
Flood1 - Emergency FCP Income		0.00		0.00		
Flood2 - Emergency FCP Expense	500,000.00	0.00	0.00	0.00		
Total	500,000.00	0.00	0.00	0.00	500,000.00	
Gen - Next gen Plan Development Income		0.00	0.00	8,000.00	8,000.00	
Gen1 - Next gen Plan Development Exp	30,000.00	0.00		0.00		
Total	30,000.00	0.00	0.00	0.00	38,000.00	
Qual - Channel Maintenance Fund		0.00	0.00	20,000.00		
Qual1 - Channel Maintenance Expense	440,950.00	0.00	0.00	267,073.30		
Total	440,950.00	0.00	0.00	-247,073.30	193,876.70	
4						
TMDL1 - TMDL Studies Income		0.00				
TMDL2 - TMDL Studies Expense	135,000.00	0.00		107,850.15		
Total	135,000.00	0.00	0.00	-107,850.15	27,149.85	

Metropolitan Council Contract No. 22R020A

**INTERGOVERNMENTAL AGREEMENT BETWEEN THE
METROPOLITAN COUNCIL AND THE
BASSETT CREEK WATERSHED MANAGEMENT COMMISSION**

THIS AGREEMENT is made and entered into by and between the Metropolitan Council (the "Council") and the Bassett Creek Watershed Management Commission (the "Watershed"), each acting by and through its duly authorized officers.

THE ABOVE-NAMED PARTIES hereby agree as follows:

I. GENERAL SCOPE OF AGREEMENT

The Council and the Watershed agree to undertake a volunteer lake monitoring study in order to provide an economical method of broadening the water quality database on lakes in the Twin Cities Metropolitan Area.

II. SPECIFIC SCOPE OF SERVICES

2.01 Lake Monitoring Program. The Watershed and the Council agree to jointly undertake a volunteer lake monitoring program as specified below:

- a. **General Purposes of Program.** The volunteer lake monitoring program involves the use of citizen-scientist volunteers to monitor lakes in the Twin Cities Metropolitan Area. The volunteers will collect surface water samples which will be analyzed for total phosphorus (TP), total Kjeldahl nitrogen (TKN), and chlorophyll-a (CLA). In addition, the volunteers will measure surface water temperature, water transparency, and fill out a monitoring form that describes the lake and weather conditions at the time of the monitoring event. Lakes will be visited from April through October of 2022 (the "Monitoring Period") for the number of times and at the approximate intervals specified in paragraph (b) below. Each lake will be sampled at the location as indicated on the site location map provided by the Council. The Council will arrange for chemical analysis of the samples either through its own laboratory or an outside laboratory.
- b. **Specific Lakes Involved.** The following lakes and specific lake site(s) listed below will be involved in the Council's Citizen-Assisted Lake Monitoring Program (CAMP) in 2022.

Lake name	DNR ID#	Number of monitoring events	Approximate monitoring interval	Quantity of new kits
Cavanaugh	27-0110	1 to 7	Monthly	0
Lost	27-0103	8 to 14	Biweekly	0
Medicine, site 1	27-0104	8 to 14	Biweekly	0
Medicine, site 2	27-0104	8 to 14	Biweekly	0
Northwood	27-0627	1 to 7	Monthly	0
Parkers	27-0107	1 to 7	Monthly	0
Sweeney, site 1	27-0035-01	8 to 14	Biweekly	0
Sweeney, site 2	27-0035-01	1 to 7	Monthly	0
Twin	27-0035-02	1 to 7	Monthly	0
Westwood	27-0711	8 to 14	Biweekly	0

2.02 Watershed Responsibilities. The Watershed agrees that it will have sole responsibility for:

- a. Recruiting volunteers (who have access to a boat) to monitor the lakes the Watershed wishes to involve in the program as listed in section 2.01(b) above.
- b. Providing the Council and/or volunteers with needed lake information such as lake bathymetric maps and access locations.
- c. Paying for the laboratory analysis cost of the samples collected by volunteers which cost is included in the amounts specified in Article III below.
- d. Ensuring that the volunteers participate in the training program and follow CAMP methods and procedures.
- e. Ensuring that the volunteers fill out a monitoring form during each monitoring event.
- f. Picking up the samples and the lake monitoring forms from their volunteers and delivering those items to the Watershed's central storage location. The Watershed will be responsible for providing the central storage location. The central storage location can be a Council facility, but the Watershed will be required to deliver the samples and monitoring forms to this facility. The samples are required always to be frozen.
- g. Storing its volunteers' samples until picked up by Council staff. The samples are required always to be frozen.
- h. Maintaining, storing, and restocking its monitoring kits.

- i. Delivering and picking up its monitoring kits to and from their volunteers.

2.03 Council Responsibilities. The Council agrees that it will:

- a. Organize the survey.
- b. Provide training for the volunteers.
- c. Pick up the samples and lake monitoring forms from the Watershed’s central storage location and deliver them to the laboratory at approximately 2-month intervals starting in June.
- d. Review the results of the monitoring data.
- e. Prepare a final report containing the physical, chemical, and biological data obtained during the Monitoring Period and a brief analysis of the data.
- f. Provide quality control by collecting lake samples from random lakes involved in the volunteer program. The resulting parameter values will then be compared to the volunteers’ results to determine if any problems exist involving the volunteer's monitoring activities and what should be done to correct the problem.
- g. Provide and deliver to the Watershed the expendable monitoring items (e.g. sample containers, labels, filters, aluminum sheets, zip-style plastic bags, and lake monitoring forms). The expendable monitoring items will be delivered in the weeks preceding the start of the monitoring season. The cost of the expendable monitoring items is included in the annual participation fee.

III. COMPENSATION; METHOD OF PAYMENT

3.01 Payment to Council. For all labor performed and reimbursable expenses incurred by the Council under this agreement during the Monitoring Period, the Watershed agrees to pay the Council the following amounts per lake site listed in section 2.01(b). The participation fee will be billed based on the quantity of monitoring events actually monitored or sampled.

Number of Monitoring events	Participation Fee (excludes monitoring equipment)
8 to 14	\$760
1 to 7	\$380
0	\$0

For lake sites requiring monitoring equipment, the cost for a kit of monitoring equipment is \$225 per kit.

3.02 Payment Schedule. Payment of the total amount owing to the Council by the Watershed shall be made within 30 days of the date of the invoice. An invoice specifying the amount owed by the Watershed will be sent under separate cover after the end of the monitoring period.

3.03 Additional Analyses. The total amount specified in paragraph 3.01 does not include the cost of any additional analyses requested by the Watershed, such as analysis of bottom samples. The Council will carry out any such additional analyses at the request of the Watershed and subject to the availability of Council resources for carrying out such analyses. The Council will bill the Watershed after the end of the Monitoring Period for any such additional analyses at the Council's actual cost, and the Watershed will promptly reimburse the Council for any such costs billed. The costs for additional analyses are provided in Exhibit A.

3.04 Replacement of Durable Equipment. The total amount specified in paragraph 3.01 does not include the cost of replacing durable monitoring equipment, such as thermometers, Secchi disks, filter holders, hand pumps, graduated cylinders, sampling jugs, forceps, and tote boxes. The Council will provide and deliver durable monitoring equipment that needs replacement upon request from the Watershed. The Council will bill the Watershed for any such replaced durable monitoring equipment at the Council's actual cost, and the Watershed will promptly reimburse the Council for any such costs billed.

IV. GENERAL CONDITIONS

4.01 Period of Performance. The services of the Council will commence on April 1, 2022, and will terminate on March 30, 2023, or following work completion and payment, whichever occurs first.

4.02 Amendments. The terms of this agreement may be changed only by mutual agreement of the parties. Such changes will be effective only on the execution of written amendment(s) signed by duly authorized officers of the parties to this agreement.

4.03 Watershed Personnel. Laura Jester, or such other person as may be designated in writing by the Watershed, will serve as the Watershed's representative and will assume primary responsibility for coordinating all services with the Council.

Laura Jester - Administrator
Bassett Creek Watershed Management Commission
c/o Keystone Waters
16145 Hillcrest Lane
Eden Prairie, MN 55346
952-270-1990

4.04 Council's Contract Manager. The Council's Contract Manager for purposes of administration of this agreement is Brian Johnson, or such other person as may be designated in writing by the Council's Regional Administrator. The Council's Contract Manager will be responsible for coordinating services under this agreement. However, nothing in this agreement will be deemed to authorize the Contract Manager to execute amendments to this agreement on behalf of the Council.

Brian Johnson
Metropolitan Council
2400 Childs Road
St. Paul, MN 55106
651-602-8743

4.05 Equal Employment Opportunity; Affirmative Action. The Council and the Watershed agree to comply with all applicable laws relating to nondiscrimination and affirmative action. In particular, the Council and the Watershed agree not to discriminate against any employee, applicant for employment, or participant in this study because of race, color, creed, religion, national origin, sex, marital status, status with regard to public assistance, membership or activity in a local commission, disability, sexual orientation, or age; and further agree to take action to assure that applicants and employees are treated equally with respect to all aspects of employment, including rates of pay, selection for training, and other forms of compensation.

4.06 Liability. Each party to this agreement shall be liable for the acts and omissions of itself and its officers, employees, and agents, to the extent authorized by law. Neither party shall be liable for the acts or omissions of the other party or the other party's officers, employees or agents. Nothing in this agreement shall be deemed to be a waiver by either party of any applicable immunities or limits of liability including, without limitation, Minnesota Statutes, sections 3.736 (State Tort Claims) and chapter 466 (Municipal Tort Claims).

4.07 Copyright. No reports or documents produced in whole or in part under this agreement will be the subject of an application for copyright by or on behalf of the Council or Watershed.

4.08 Termination of Agreement. The Council and the Watershed will both have the right to terminate this agreement at any time and for any reason by submitting written notice of the intention to do so to the other party at least thirty (30) days prior to the specified effective date of such termination. In the event of such termination, the Council shall retain a pro-rata portion of the amounts provided for in Article III, based on the number of monitoring events occurring for each lake before termination versus the total monitoring events specified for each lake. The balance of the amounts will be refunded by the Council to the Watershed.

4.09 Force Majeure. The Council and the Watershed agree that the Watershed shall not be liable for any delay or inability to perform this agreement, directly or indirectly caused by, or resulting from, strikes, labor troubles, accidents, fire, flood, breakdowns, war, riot, civil commotion, lack of material, delays of transportation, acts of God or other cause beyond reasonable control of Council and the Watershed.

4.10 Audits. Pursuant to Minn. Stat. Section 16C.05, Subd. 5, the parties agree that the books, records, documents, and accounting procedures and practices relevant to this Agreement are subject to examination by either party and the state auditor or legislative auditor, as appropriate, for at least six years from the end of this Agreement.

4.11 Relationship of Parties and their Employees. Nothing contained in this agreement is intended, or should be construed, to create the relationship of co-partners or a joint venture between the Council and the Watershed. No tenure or any employment rights including worker's compensation,

unemployment insurance, medical care, sick leave, vacation leave, severance pay, retirement, or other benefits available to the employees of one of the parties, including indemnification for third party personal injury/property damage claims, shall accrue to employees of the other party solely by the fact that an employee performs services under this agreement.

4.12 Severability. If any part of this agreement is rendered void, invalid or unenforceable such rendering shall not affect the remainder of this agreement unless it shall substantially impair the value of the entire agreement with respect to either party. The parties agree to substitute for the invalid provision a valid provision that most closely approximates the intent of the invalid provision.

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their duly authorized representatives on the dates set forth below. This agreement is effective upon final execution by, and delivery to, both parties.

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

Date _____

By _____

Name _____

Its _____

METROPOLITAN COUNCIL

Date _____

By _____

Name _____
Water Resources Assistant Manager

EXHIBIT A

Metropolitan Council Environmental Services Laboratory Prices for Additional Analyses		
Parameter	Laboratory Code	Price (per sample)
Nutrients (TP & TKN)	NUT-AHLV NUT-ALV	\$15.25
Chlorophyll	CLA-TR-CS CLA-CAMP	\$15.50
Phosphorus	P-AHLV P-ALV	\$15.25
Chloride	CL-AV2	\$15.75
Ortho-phosphorus	ORTHO-AV	\$7.75
Hardness	HARD-AV	\$7.25
Ca, Mg, Hardness via calculation	HARD-OESV	\$12.00
Alkalinity	ALK-AV	\$13.50
Sulfate	SO4-ICV	\$13.50
Metals (Cd, Cr, Cu, Pb, Ni, Zn)	MET-OESV MET-MSV2	\$36.00
Individual minerals (e.g. Fe)	XX-OESV	\$6.00 (per element)
Individual metals	XX-OESV XX-MSV2	
A parameter not on this list		Contact the Council's Contract Manager for specific pricing.

SUB-GRANT AGREEMENT

(Resilient Yards for Pollinator Conservation in Northside Minneapolis, Phase 2)
(BWSR Lawns to Legumes Neighborhood Demonstration Project)

THIS SUB-GRANT AGREEMENT (“Agreement”) is made as of this 21st day of April, 2022, by and between the Bassett Creek Watershed Management Commission, a Minnesota joint powers organization (“Commission”), and Metro Blooms, a non-profit organization in Minneapolis, Minnesota (“Metro Blooms”).

WHEREAS, Commission entered into a grant agreement with the Minnesota Board of Water and Soil Resources in XXXX 2022 (“Grant Agreement”), a copy of which is attached hereto as Exhibit A and is incorporated herein and made part of this Agreement; and

WHEREAS, the Grant Agreement provides that the Minnesota Board of Water and Soil Resources will grant to Commission a sum not to exceed Twenty Thousand and No/100 Dollars (\$20,000.00), to perform the duties and tasks specified in the Grant Agreement related to the Resilient Yards for Pollinator Conservation in Northside Minneapolis Phase 2, GRANT NO. XXXX (“Project”); and

WHEREAS, Commission will pass the funds provided in the Grant Agreement through to Metro Blooms to implement the Project, as authorized in the Grant Agreement or otherwise approved by BWSR; and

WHEREAS, Commission and Metro Blooms have agreed for Metro Blooms to assume certain duties and responsibilities of Commission under the Grant Agreement in consideration of receiving funds provided for in the Grant Agreement and subject to the terms, conditions, and limitations set forth therein.

NOW, THEREFORE, in consideration of the premises and the mutual promises set forth herein, the parties hereto covenant and agree as follows:

1. Grant Funds. To the extent authorized in the Grant Agreement or by BWSR, Commission agrees to forward to Metro Blooms funds received under the Grant Agreement for the Project based upon approved reimbursement requests received from Metro Blooms and conditioned on Metro Blooms’ continuing compliance with its obligations hereunder.

2. Metro Blooms Obligations. Metro Blooms will perform and satisfy certain obligations of Commission under the Grant Agreement. Specifically, but without limiting the foregoing, Metro Blooms will perform all of the following with respect to the Project and in satisfaction of Grant Agreement obligations:

- (a) Metro Blooms will perform, or participate in, all elements of the Project as described in the Project Work Plan (“Work Plan”) of the Grant Agreement, as it may be amended, and will properly document expenses, including time and materials, in the manner expressed in the Project Budget (“Budget”) and will provide information to the Commission to aid in quarterly grant reporting. The initial Work Plan and Budget

are included in the Grant Agreement and is attached hereto as Exhibit B. Any amendments made to the Grant Agreement, including its exhibits, are incorporated in and made part of this Agreement by reference.

- (b) Metro Blooms will comply with all requirements and conditions of the Grant Agreement applicable to the Project that, by their nature, must be performed by Metro Blooms rather than Commission and that are conditions of award of funds under the Grant Agreement.
- (c) The times of performance and expiration of Metro Blooms' obligations under this Agreement shall be as provided in the Grant Agreement.
- (d) Metro Blooms will provide invoices for reimbursement in accordance with the requirements of the Grant Agreement.
- (e) Metro Blooms will take all other actions as are needed to ensure compliance with the Grant Agreement and provide such information and assistance to the Commission as may be needed to ensure the Commission can comply with the requirements of the Grant Agreement that, by their nature, must be performed by the Commission rather than the Metro Blooms.

3. Metro Blooms Reimbursement. Metro Blooms will be reimbursed from the funds received through the Grant Agreement for grant-eligible costs incurred in performing its obligations in accordance with this Agreement, the Work Plan, and the Budget. Reimbursements will be forwarded to Metro Blooms following completion of work by the Metro Blooms under the Work Plan from grant funds received by Commission from the Minnesota Board of Water and Soil Resources. Metro Blooms will provide such invoices or other evidence of expenses incurred as may be required by the Commission or by the Minnesota Board of Water and Soil Resources under the Grant Agreement. The Commission shall have no obligation to reimburse the Metro Blooms for any amounts that exceed the amount of the grant received by the Commission under the Grant Agreement.

4. No Assignment. Metro Blooms shall not assign or transfer any rights or obligations under this Agreement without the prior consent of the Commission and an Assignment Agreement executed and approved by the parties.

5. Amendments. Any amendment to this Agreement must be in writing and will not be effective until it has been executed and approved by the parties.

6. No Waiver. If Commission fails to enforce any provisions of this Agreement, such failure does not waive the provision or Commission's right to enforce it.

7. Entire Agreement. This Agreement contains all negotiations and agreements between Commission and Metro Blooms. No other understanding, agreements or understandings regarding the Grant Agreement, or this Agreement, may be used to bind either party.

8. Indemnification. Metro Blooms will indemnify, defend, and hold harmless the Minnesota Board of Water and Soil Resources and Commission, its officers, agents, and employees, from any claims or causes of action, including attorney's fees incurred by Commission, arising from the performance of this Agreement by Metro Blooms, or its officers, agents or employees.

9. Audit. Metro Blooms' books, records, documents and accounting procedures and practices relevant to this Agreement are subject to examination by the Minnesota Board of Water and Soil Resources and/or the state auditor or legislative auditor, as appropriate, for a minimum of six (6) years from the end of this Agreement.

10. Data Practices. Metro Blooms shall comply with applicable provisions of the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13. If Metro Blooms receives a request to release data referred to in this paragraph, Metro Blooms must immediately notify Commission. Commission will give Metro Blooms instructions concerning the release of the data to the requesting party, prior to such release.

11. Workers' Compensation. Metro Blooms certifies that it is in compliance with Minnesota Statutes, Section 176.181, subdivision 2, pertaining to workers' compensation insurance coverage. Metro Blooms' employees and agents will not be considered employees of Commission. Any claims that may arise under the Minnesota Workers' Compensation Act on behalf of employees of Metro Blooms, and any claims made by any third party as a consequence of any act or omission on the part of such employees are in no way the obligation of Commission or the Minnesota Board of Water and Soil Resources.

12. Publicity. Any publicity regarding the subject matter of this Grant Agreement must identify the Minnesota Board of Water and Soil Resources as a source of funding and the Bassett Creek Watershed Management Commission as a sponsoring agency. Publicity shall include information identified in the Grant Agreement to the extent required herein. Metro Blooms must not claim that the Minnesota Board of Water and Soil Resources or Commission endorses its products or services.

13. Applicable Law. The law governing the obligations of this Agreement and the venue for all legal proceedings associated therewith shall be in accordance with the Grant Agreement.

14. Termination. This Agreement is subject to termination in accordance with the termination provision of the Grant Agreement. However, the provisions in the Grant Agreement regarding Liability, State Audits, Government Data Practices, Intellectual Property, and Governing Law, Jurisdiction and Venue will survive termination or cancellation of this Agreement or of the Grant Agreement.

15. Conditioned. This Agreement is conditioned on approval by the Minnesota Board of Water and Soil Resources to the extent such approval is required by the Grant Agreement.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands as of _____, 2022.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Its Chair

And by: _____
Its Secretary

Date: _____

METRO BLOOMS

By: _____
Its Executive Director

Date: _____

EXHIBIT A
Grant Agreement

[attached hereto]

EXHIBIT B
Work Plan and Budget
[attached hereto]



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4I: Bryn Mawr Meadows Park Improvements – Minneapolis, MN
BCWMC April 21, 2022 Meeting Agenda
Date: April 14, 2022
Project: 23270051.53 2022 2283

4I Bryn Mawr Meadows Park Improvements – Minneapolis, MN BCWMC 2022-04

Summary:

Project Proposer: Minneapolis Park and Recreation Board

Proposed Work: Park improvements

Basis for Review at Commission Meeting: Fill in the floodplain

Impervious Surface Area: Decrease approximately 0.4 acres

Project Schedule: June 2022 Construction

Recommendation for Commission Action: Approval

General Project Information

The proposed project is in the Bassett Creek Main Stem subwatershed east of Morgan Avenue South in Minneapolis. The proposed project includes reconstruction of a parking lot, entrance road, trails, and the installation of best management practices resulting in 19 acres of land disturbance. The proposed project creates 4.6 acres of fully reconstructed impervious surfaces and a decrease of 0.4 acres of impervious surfaces from 5.0 acres (existing) to 4.6 acres (proposed).

The project will be constructed in conjunction with the BCWMC Bryn Mawr Meadows Water Quality Improvement Project (2021 CIP Project BC-5). However, the water quality improvement structures constructed as part of the BCWMC CIP project are separate from the stormwater management features described below. BCWMC CIP project components will not be used to satisfy BCWMC requirements.

The initial submittal was received March 25, 2022. The BCWMC engineer reviewed the submittal and provided comments to the City and applicant on March 31, 2022. The applicant addressed the comments and submitted revised plans and supporting documentation on April 8, 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 812.2 feet NAVD88. 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 3,700 cubic yards of floodplain fill and approximately 8,000 cubic yards of compensating storage, resulting in a net gain of approximately 4,300 cubic yards of floodplain storage.

Wetlands

The proposed project does not involve work in or adjacent to wetlands. City of Minneapolis 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 one (1) acre or more 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, stormwater runoff is not collected by a storm sewer system, instead runoff is in the form of overland flow to Bassett Creek.

In proposed conditions, the site contains three filtration basins and one filtration swale. The combination of the best management practices and the reduction in impervious surfaces results in reduced overall 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 best management practices meet 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	60.6	119.2	266.5
Proposed	49.6	96.5	226.1

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 4.6 acres of fully reconstructed impervious area. However, only 1.68 acres are regulated for water quality; the remaining 2.92 acres qualify as trails or miscellaneous disconnected impervious surfaces which are exempt from BCWMC water quality standards. The proposed site is constrained due to the presence of high groundwater, predominantly clay soils, and potentially contaminated 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 total phosphorus (TP) load from the new and/or fully reconstructed impervious surfaces. The

applicant proposed three filtration basins and one filtration swale to provide treatment for the regulated impervious area. Table 2 summarizes the annual TP loading, annual TP removal, and overall percent TP removal for the proposed project and shows that the proposed stormwater treatment system meets the BCWMC water quality requirements.

Table 2: Summary of TP Loading and TP Removals

	Impervious Area (acres)¹	Required Total Phosphorus Removal (lbs/year)²	Provided Total Phosphorus Removal (lbs/year)
Bryn Mawr Meadows Park Improvements	1.7	1.8	4.2

¹ Area of fully reconstructed impervious surface, not including disconnected impervious surfaces.

² Per BCWMC guidelines for FTO #2, 60% annual TP removal

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.

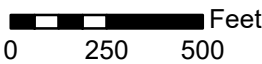
Recommendation

Approval



Project Location

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



BCWMC #2022-04
 BRYN MAWR MEADOWS
 PARK IMPROVEMENTS
 Minneapolis, MN

LOCATION MAP



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4J: Bassett Creek Dog Park – Crystal, MN
BCWMC April 21, 2022 Meeting Agenda
Date: April 14, 2022
Project: 23270051.53 2022 2284

4J Bassett Creek Dog Park Area– Crystal, MN BCWMC 2022-05

Summary:

Project Proposer: City of Crystal

Proposed Work: Installation of a new dog park, parking lot, and other site improvements

Basis for Review at Commission Meeting: Fill in the floodplain

Impervious Surface Area: Increase approximately 0.19 acres

Project Schedule: June 2022 construction

Recommendation for Commission Action: Approval

General Project Information

The proposed project is located along the North Branch of Bassett Creek in the Bassett Creek Park Pond subwatershed, south of the intersection of 32nd Avenue North and Brunswick Avenue North and west of Welcome Avenue in Crystal. The work includes construction of a new dog park, associated parking lots, and other site improvements including fence, trails, and utilities resulting in 4.34 acres of disturbance. On the project map there are two project locations indicated. The western project location will include the new dog park, site improvements and work in the floodplain. The eastern project location will include parking lot improvements and is not located in the floodplain. The proposed project creates 0.76 acres of new and fully reconstructed impervious surfaces, including 0.57 acres of fully reconstructed impervious and an increase of 0.19 impervious surfaces from 0.57 acres (existing) to 0.76 acres (proposed).

The initial submittal was received on March 25, 2022. The BCWMC engineer reviewed the submittal and provided comments to the City on March 31, 2022. The applicant addressed the comments and submitted revised plans and documentation on April 5, 2022 and April 6, 2022.

Floodplain

The proposed project includes work in the BCWMC 100-year floodplain. The 1% annual-chance (base flood elevation, 100-year) floodplain elevation along the North Branch of Bassett Creek at Bassett Creek Park Pond is 851.2 feet NAVD88. 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 cubic yard of floodplain fill and 53 cubic yards of compensating storage, resulting in a net gain of approximately 52 cubic yards of floodplain storage.

Lakes, Streams, and Wetlands

The proposed project includes work adjacent to wetlands. The City of Crystal is the local government unit (LGU) responsible for administering the Wetland Conservation Act; therefore, BCWMC wetland review is not required. Barr staff is providing wetland support for this project directly for the city.

Rate Control

The proposed project does not create one or more acres of new or fully reconstructed impervious surfaces; therefore, BCWMC rate control review is not required.

Water Quality

The proposed project does not create one or more acres of new or fully reconstructed impervious surfaces; therefore, BCWMC water quality review is not required.







Erosion and Sediment Control

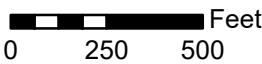
The proposed project results in more than 10,000 square feet of land disturbance; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include silt fence, inlet protection, and rock construction entrances.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

Recommendation

Approval



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



BCWMC #2022-05
 BASSETT CREEK
 DOG PARK AREA
 Crystal, MN

LOCATION MAP



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4K: Meadowbrook Elementary School Parking Lot Improvements – Golden Valley, MN
BCWMC April 21, 2022 Meeting Agenda
Date: April 14, 2022
Project: 23270051.53 2022 2248

4K Meadowbrook Elementary School Parking Lot Improvements – Golden Valley, MN BCWMC 2021-09

Summary:

Project Proposer: Hopkins School District (ISD 270)

Proposed Work: Parking lot Improvements

Basis for Review at Commission Meeting: Use of alternative BMP

Impervious Surface Area: Increase approximately 0.1 acres

Project Schedule: June 2022 Construction

Recommendation for Commission Action: Conditional Approval

General Project Information

The proposed project is in the Sweeney Lake subwatershed at 5430 Glenwood Avenue in Golden Valley, MN. The proposed project includes a parking lot reconstruction and stormwater improvements resulting in 1.21 acres of land disturbance. The proposed project creates 0.96 acres of new and fully reconstructed impervious surfaces, including 0.86 acres of fully reconstructed impervious surfaces and an increase of 0.1 acres of impervious surfaces from 0.95 acres (existing) to 1.05 acres (proposed).

As noted in Section 6.1.1 of the February 2021 BCWMC Requirements for Improvements and Development Proposals (Requirements) document, the BCWMC tracks redevelopment project locations and the amount of new and/or fully reconstructed impervious surface. If a property has several redevelopment projects that individually do not trigger the BCWMC performance goal, but would when combined, the applicant is required to provide treatment in accordance with the BCWMC performance goal for all redevelopment. A previous submittal, BCWMC #2018-14: Meadowbrook Elementary 2018 Northwest Addition was approved June 19, 2018. As shown in the following Table 1, in aggregate, the 2018 project (BCWMC #2018-14) and proposed 2021 project (BCWMC #2021-09) create more than one acre of new and fully reconstructed impervious surfaces; therefore, the proposed project must provide water quality treatment in accordance with the BCWMC performance goal.

Table 1: Summary of Regulated Impervious Surfaces Based on Project Developments

Project	New and Fully Reconstructed Impervious Surfaces
BCWMC #2018-04	0.78 acres
BCWMC #2021-09	0.95 acres
Total	1.73 acres

The initial submittal was received April 27, 2021. The BCWMC engineer reviewed the submittal and provided comments to the City and applicant on June 10, 2021. The applicant addressed most of the comments and submitted revised plans and supporting documentation in March and April 2022 for review.

Floodplain

The proposed project does not involve work in the Bassett Creek 1% (base flood elevation, 100-year) floodplain; therefore, BCWMC floodplain review is not required.

Wetlands

The proposed project includes work adjacent to wetlands. The City of Golden Valley 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 one (1) acre or more 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, stormwater runoff to the east is collected by an existing storm sewer and stormwater runoff to north is discharged to an existing wetland.

In proposed conditions, the best management practices and the reduction in impervious surfaces result in reduced overall peak discharge rates. Table 2 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 2: Existing and Proposed Peak Discharge Rates

	2-Year Peak (cfs)	10-Year Peak (cfs)	100-Year Peak (cfs)
Existing to East	2.7	4.7	9.1
Proposed to East	0.8	4.4	8.8
Existing to Wetland	8.7	14.1	25.7
Proposed to Wetland	2.9	9.6	25.4

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 1.73 acres of fully reconstructed impervious area. The proposed site is constrained due to the presence of clay soils and high groundwater elevation. 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 from the new and/or fully reconstructed impervious surfaces.

The applicant proposed two underground detention systems; each is connected to a Bayfilter—a proprietary manufactured treatment device (MTD)—to provide rate control and water quality treatment. The applicant indicates that the underground detention system, made of Stormtech Isolator Rows, will provide rate control, as well as water quality improvements by settling out particulate phosphorus. Meanwhile, the Bayfilter will primarily provide water quality improvements. The Bayfilter MTD is certified with a General Use Level Designation (GULD) from the Washington Department of Ecology’s Technology Assessment Protocol – Ecology (TAPE) program. The BCWMC Requirements document allows the use of stormwater MTDs to meet flexible treatment options, if the applicant provides verification that the MTDs have achieved GULD designation (the applicant provided this verification). The BCWMC Requirements document states that the applicant *may then apply 50% total phosphorus (TP) and 80% total suspended solids (TSS) removals for stormwater MTDs, as long as the stormwater MTDs are designed in accordance with the manufacturer’s and TAPE’s recommendations and guidelines*. The underground detention and filtration systems will collect runoff from new and fully reconstructed impervious surfaces and additional area from an existing building and parking lot that does not require treatment. Table 3 summarizes the annual TP loading, annual TP removals, and overall percent TP removal for the proposed project provided by the applicant.

Table 3: Summary of TP Loading and TP Removals

	Impervious Area (acres)	Total Phosphorus Loading (lbs/year)	Total Phosphorus Removal (lbs/year)
Regulated impervious, TP loading, and TP removal based on new and fully reconstructed impervious	1.7 ¹	3.8	2.3 (required) ²
Proposed treated impervious, TP loading, and TP removal	1.8 ³	4.2	2.9 (proposed) ⁴

¹ Area of fully reconstructed impervious surface

² Per BCWMC guidelines for FTO #2, 60% annual TP removal

³ Impervious area to be treated by both underground detention and filtration systems

⁴ Additional information or treatment must be provided to support proposed phosphorus removal

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

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4K: Meadow Brook Elementary School Parking Lot Improvements – Golden Valley, MN
Date: April 14, 2022
Page: 4







and sediment control features includes silt fence, inlet protection, and rock construction entrances. Permanent erosion and sediment control features include erosion control blanket and stabilization with sod or seed and mulch.

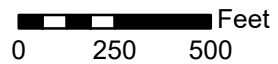
Recommendation

Conditional approval based on the following comment:

1. Documentation consistent with the MN Stormwater Manual must be provided to support the pollutant removal efficiencies assumed for the Stormtech Isolator Row or additional water quality treatment must be implemented to demonstrate that the project meets FTO #2.



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



BCWMC #2021-09
 MEADOWBROOK
 ELEMENTARY SCHOOL
 PARKING LOT
 IMPROVEMENTS
 Golden Valley, MN

LOCATION MAP



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5A – Consider Approval of Proposal for Engineering Services for Sweeney Lake and Schaper Pond Carp Management (CIP Project SL-3)
BCWMC April 21, 2022 Meeting Agenda
Date: April 14, 2022

5A. Consider Approval of Proposal for Engineering Services for Sweeney Lake and Schaper Pond Carp Management (CIP Project SL-3)

Recommendations:

1. Consider approving the scope of work and not-to-exceed budget of \$5,000 for the Commission Engineer to obtain a MnDNR permit and contract/coordinate with a fish hatchery to stock panfish in Schaper Pond.
2. Consider approving the scope of work and not-to-exceed budget of \$52,000 for the Commission Engineer to contract and coordinate with Carp Solutions to perform carp removal with box nets, contingent on the preliminary results of the carp surveys showing high populations of carp.

Background

Several investigations in 2017 and 2018 identified problems with stormwater treatment in Schaper Pond and found carp populations exceeding the 100 kg/ha threshold associated with impacts on water quality (Bajer et al., 2009). In 2019, the Commission was awarded grant funding for the Sweeney Lake Water Quality Improvement Project, which included a goal to reduce carp biomass in Sweeney Lake and Schaper Pond (shown in Figure 1) during the spring and summer of 2020. In addition, this project intended to track carp movement to 1) assess the likelihood that carp from Sweeney Lake could re-populate Schaper Pond, and 2) assess the need to prevent movement of juvenile and adult carp from Schaper Pond to Sweeney Lake. The Commission Engineer hired Carp Solutions, LLC as its subconsultant on this investigation (and all previous investigations) to analyze carp impacts in the Sweeney Lake-Schaper Pond system.

In 2020, Carp Solutions conducted box netting and electrofishing in Sweeney Lake and Schaper Pond. Overall, 452 carp were removed from Sweeney Lake and 152 carp were removed from Schaper Pond, which dropped the carp populations to levels that equated to respective biomass densities of 68 and 75 kg/ha—below the critical threshold of 100 kg/ha. While the carp removals were successful, it was also learned that Schaper Pond was likely a nursery area for carp. In February 2021, the Commission directed staff to evaluate various options for long term control of carp in Schaper Pond and Sweeney Lake. Staff developed and evaluated a matrix of several different options including constructing electric and non-

To: Bassett Creek Watershed Management Commission
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BCWMC April 21, 2022 Meeting Agenda
Date: April 14, 2021
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electric barriers as well as stocking panfish in Schaper Pond to predate carp eggs and carp fry. After reviewing the benefits, limitations, and costs of various options, staff recommended an adaptive management approach to reassess the carp population and their movements by repeating the carp assessment performed in 2019. This action would help understand how quickly the carp population might rebound in these waterbodies to pre-removal levels and which permanent solution would be most cost effective. At their September 16, 2021 meeting, the Commission approved the adaptive management approach by gathering additional carp population data in 2022 with a budget of \$8,000. At that meeting, the Commission also directed staff to prepare a scope of work with Carp Solutions or a similar company for approval at a future Commission meeting for carp removal in 2022, and to contact the Minnesota Department of Natural Resources (MnDNR) regarding panfish stocking in Schaper Pond. The Commission also suggested that, if carp numbers are found to be high in May and June, then action should switch to box netting and electrofishing to protect the investment in Sweeney Lake.

The Commission Engineer had recent communications with MnDNR staff regarding permit requirements and with Riley-Purgatory-Bluff Creek Watershed District (RPBCWD) staff regarding the efficacy of panfish stocking. RPBCWD began stocking large bluegills in several of the shallower lakes and wetlands in the Riley Lake watershed and in the Staring Lake portion of the Purgatory Creek system in 2018. Since many of these water bodies were subject to winterkill, RPBCWD continued to stock bluegills each year for up to four years. The results of RPBCWD's ongoing carp population surveys indicate that bluegill stocking has been successful at controlling carp recruitment (establishment of young carp) in the Riley Lake watershed and in Staring Lake. It is expected that the cost of obtaining the bluegills, and associated permitting, will be less than the long-term costs associated with netting and removal of adult carp. As a result, staff recommends that the Commission approve this option for managing carp in Schaper Pond this spring.

Proposed Scope of Work

In addition to the task to survey and assess the carp population in Sweeney Lake and Schaper Pond (with an \$8,000 budget approved at the September 2021 meeting), below is a summary of the additional work scope components for this project in which Barr will subcontract with a fish hatchery and with Carp Solutions to complete fish stocking and box netting:

1) Panfish Stocking

The Commission Engineer will contract and coordinate with a fish hatchery to obtain a MnDNR permit and stock 1,000 adult bluegills in Schaper Pond. Depending on MnDNR permit conditions or restrictions, it is expected that some of the bluegills may need to be stocked in Sweeney Lake and/or Spring Pond or another upstream pond.

2) Box Netting (Contingent)

Contingent on the preliminary results of the carp surveys showing high populations (i.e., above the critical threshold of 100 kg/ha) in May and June, the Commission Engineer will contract and coordinate with Carp Solutions to perform carp removal with box nets as described below.

Carp removal with baited box nets in Sweeney Lake and Schaper Pond

Carp Solutions will conduct carp removal with baited box nets, which assumes installation of at least 3 nets in near-shore areas throughout Sweeney Lake and two nets installed in Schaper Pond. The nets will be installed in July. Following box net installation, the nets will be baited for approximately 7 days. The carp will be captured, euthanized, and removed. Captured fish will be examined for fin clips to estimate percent of population removed. The carp removal process will occur twice, with a break of several weeks between each round. Baiting will cease during the break and carp removal activities will be conducted in July and September.

The Commission Engineer will manage project scheduling and budgeting, in close coordination with the Commission Administrator, and prepare and send project email updates that correspond with invoicing.

Cost Estimate

The table below summarizes our not-to-exceed cost estimate for the scope of work outlined above.

Tasks	Estimated Total
Carp Population Surveys (approved Sept. 2021)	\$8,000
1) Panfish Stocking	\$5,000
2) Box Netting (Contingent)	\$52,000
Total	\$65,000

Schedule

The Commission Engineer will complete the tasks and milestones outlined in the scope of work on the following schedule.

Tasks	Estimated Schedule
Carp Population Surveys (approved Sept. 2021)	Spring/Summer 2022
Panfish Stocking	Spring/Summer 2022
Box Netting (Contingency)	Summer/Fall 2022



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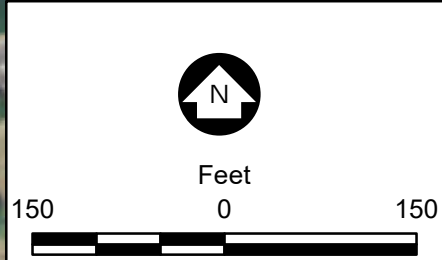


Figure 1
 SCHAPER POND
 Schaper Pond Diversion
 Project (SL-3)
 Bassett Creek Watershed
 Management Commission



Bassett Creek Watershed Management Commission

Watershed Management Organization (WMO) – Joint Powers Agreement Overview

I. Legislative history and required makeup of WMOs:

- 1) In 1982, the Minnesota Legislature approved the Metropolitan Area Surface Water Management Act. The Act requires local units of government in the seven-county metro to prepare and implement comprehensive surface water management plans through membership in a Watershed Management Organization (WMO). WMOs are based on watershed boundaries and can be created in one of three ways:
 - i. ***As a joint powers entity made up of the cities and townships within the watershed via a joint powers agreement (like BCWMC);***
 - ii. As a watershed district, a special unit of local government operating under Minnesota Statutes Chapters 103B and 103D (like Minnehaha Creek Watershed District); or
 - iii. As a function of county government, usually administered by the county planning departments.
- 2) WMOs are governed by a board appointed by the member cities or townships.
- 3) Each WMO is required to have a technical advisory committee to provide input to the board on projects and activities.

II. What is a joint powers agreement (JPA)?

- 1) Put simply, a JPA is a formal, written contract between two or more governmental units, e.g. cities and towns, to jointly or cooperatively exercise any power common to the contracting parties.
- 2) All JPAs require approval by each parties' respective governing body. In the case of BCWMC, if just one governing body refuses to enter into an extended or new JPA and the existing JPA terminates, the WMO would be considered dissolved and the respective watershed would need to be governed through alternative means
- 3) JPAs are expressly authorized pursuant to Minnesota Statutes, section 471.59.
- 4) The participating governmental units and the joint board are considered a single governmental unit for liability purposes.

III. A joint powers agreement establishing a WMO is typically a very detailed, long-term agreement that provides lots of details about the innerworkings of the WMO. Pursuant to state law, it *must* contain, at minimum, 15 things:

- 1) A purpose statement consistent with Minnesota Statutes, section 103B.201;
- 2) A section defining the powers and duties of the WMO;
- 3) An official map based on parcels or a legal description defining the boundary of the WMO's jurisdiction;
- 4) A section defining how the WMO's members will be represented, with the total number of members on a joint powers board to be at least three;
- 5) A section outlining meetings to be scheduled, which can be no less than annually;
- 6) A notification process for meeting agenda, location, and time;

- 7) Procedures for annual establishment of the WMO's work plan and budget;
- 8) A procedure for the establishment of an advisory committee or other means of public participation;
- 9) A formula for determining the share of the annual operating budget for each of the WMO's members or a description of revenue generating authorities the WMO will utilize;
- 10) A section establishing the duties and terms of the officers of the WMO;
- 11) The process and responsibilities of the WMO and its members for filling vacancies consistent with Minnesota Statutes, section 103B.227, subdivisions 1 and 2;
- 12) A section specifying the compensation for board members, if any;
- 13) A section defining the voting requirements for decision making and capital improvements consistent with Minnesota Statutes, section 103B.211, subdivision 1(c);
- 14) A requirement to adopt rules of order and procedure; and
- 15) The duration of the agreement and a process for dissolution of the WMO that provides for at least 90 days' notice of the intent to dissolve to the affected counties and the board.

IV. A joint powers agreement establishing a WMO typically includes more than just the 15 required items outlined above. Additionally, and also pursuant to state law, such an agreement may also authorize the WMO's joint board to do the following:

- 1) Prepare, adopt, and implement a watershed management plan for the watershed meeting the requirements of Minnesota Statutes, section 103B.231;
- 2) Review and approve local water management plans;
- 3) Regulate the use and development of land in the watershed when one or more of the following conditions exists:
 - i. the planning and zoning authorities do not have a local water management plan approved and adopted in accordance with the requirements of section 103B.235 or has not adopted the implementation program described in the plan;
 - ii. an application to the local government unit for a permit for the use and development of land requires an amendment to or variance from the adopted local water management plan or implementation program of the local unit; or
 - iii. the local government unit has authorized the WMO to require permits for the use and development of land;
- 4) Accept the transfer of drainage systems in the watershed, to repair, improve, and maintain the transferred drainage systems, and to construct all new drainage systems and improvements of existing drainage systems in the watershed, provided that certain statutory conditions are met;
- 5) Adopt a budget and decide on the total amount necessary to be raised from ad valorem tax levies to meet the budget (i.e. for a maintenance levy as authorized under Minnesota Statutes, section 103B.251, subd. 9);
- 6) Certify its budget with the auditor of each county having territory within the joint powers WMO (especially critical as it relates to the annual certification of CIP project costs to the county, as authorized under Minnesota Statutes, section 103B.251, subs. 6 and 8);
- 7) File approved assessment statements with each affected county; and
- 8) Other powers necessary to exercise the authority under the first three bullet points above, including the power to enter into contracts for the performance of functions with other governmental units or persons.



Bassett Creek Watershed Management

MEMO

To: BCWMC Commissioners and Alternate Commissioners
From: BCWMC Technical Advisory Committee
Date: April 12, 2022

RE: Discussions and Recommendations From March 18th Meeting

The BCWMC Technical Advisory Committee met on March 18th via Zoom to discuss several items. Discussion and recommendations included below. Attendees included:

City/Partner	Technical Advisory Committee Members and Others
Crystal	Mark Ray, Chair
Golden Valley	Eric Eckman, RJ Kakach, Drew Chirpich
Medicine Lake	Susan Wiese
Minneapolis	Liz Stout, Katie Kowalczyk
Minnetonka	Sarah Schweiger, Leslie Yetka
New Hope	Nick Macklem
Plymouth	Ben Scharenbroich, Chris LaBounty
Robbinsdale	Richard McCoy
St. Louis Park	Erick Francis
Others	Laura Jester, Administrator; Karen Chandler and Jim Herbert, Commission Engineers; Commissioner Michael Welch

1. Review Latest Costs for Flood Control Project (FCP) Inspections and Consider Future Budgeting

At their meeting in December, the Commission approved the TAC recommendation to update the Flood Control Project (FCP) Inspection Program as shown in Table 1 below. The TAC and Commission also agreed that Commission Engineers should investigate the use of new technologies (e.g., cameras and drones) for tunnel inspections.

At this TAC meeting, Commission Engineer Herbert reviewed various tunnel inspection options that would utilize new and different techniques and technologies (such as radar, lasers, robots, drones, drilling). He noted that additional data and information could be gathered with most of these technologies, but rather than saving money, they all come at a higher cost than traditional inspection methods currently employed. However, Engineer Herbert also noted that the various technologies evaluated could collect helpful and essential information that is not gathered through the current inspection process.

Engineer Herbert described “destructive” vs. “non-destructive” inspection techniques, noting that destructive techniques require drilling holes into the tunnel wall to measure voids behind the wall. He recommended using non-destructive techniques to keep the tunnel wall intact. Engineer Herbert suggested that one option may be to pilot one non-destructive technique in a smaller section of the tunnel to determine effectiveness and assess cost benefit. The TAC agreed with this approach and the importance of using non-destructive techniques.

The TAC also reviewed the updated costs of the inspection program. Currently, the BCWMC Operating Budget includes \$25,000/year to be set aside to cover inspections over a 20-year period (for a total of \$500,000 in 20 years). The updated 20-year cost is \$650,000 - \$670,000 (Table 1).

Table 1. Updated Flood Control Project Inspection Program

Item	Current/ Recommended Inspection Cycle	Cost/Inspection ¹	20-Year Cost ^{1,2} Current/Recommended
Annual inspection of the FCP features, except double box culvert & the deep tunnel	Annually	\$15,000	\$200,000/\$300,000
Double box culvert inspection (NASSCO) ³	Every 5 years	\$45,000	\$128,000/\$180,000
Deep tunnel (2 nd St. & 3 rd Ave.) inspection (NAASCO) ³	Every 10 years	\$65,000	\$65,000/\$130,000
Two additional deep tunnel inspections of 3 rd Ave tunnel and unsubmerged portions of 2 nd St. tunnel (non-NASSCO) ⁴	Every 10 years – 5 years after full deep tunnel inspection above (two total inspections)	\$20,000	\$0/\$40,000
Total²			\$428,000/\$650,000-\$670,000

¹ 2021 dollars

² Simple summation (annualized or present worth not calculated)

³ Tunnel condition inspection based on pipeline assessment and certification program developed by the National Association of Sewer Service Companies (NASSCO)

⁴ Brief tunnel inspections looking for significant changes without coding existing or new defects or preparing detailed report, includes preparation of technical memorandum.

TAC Recommendations on Flood Control Project (FCP) Inspections:

- A. Employ only non-destructive inspection techniques in the Bassett Creek Tunnel, including no drilling of microphones into tunnel walls.

- B. With the next deep tunnel inspection in 2025 (3rd Ave tunnel and unsubmerged portions of 2nd St tunnel), pilot a new inspection technique using geophysical techniques, such as ground penetrating radar or multichannel analysis of surface waves, to look for voids behind the tunnel walls in a 500-ft unsubmerged portion of the tunnel. This pilot inspection method will serve as “proof of concept” for a method that could be used for longer tunnel lengths and in the deeper (submerged) tunnel sections locate voids there during future schedule inspections.
- C. Adjust the annual operating budget to set aside \$35,000 per year to cover the cost of the 20-year inspection program and to account for higher cost of pilot program in 2025. Reassess future costs after pilot program.

2. 2024 – 2028 Capital Improvement Program (5-year CIP)

The TAC annually reviews potential additions and changes to a rolling 5-year CIP (2024 – 2028). No new projects were proposed by cities for the 5-year CIP. However, the City of Plymouth requested that two Plymouth Creek restoration projects (2026CR-P and 2027 CR-P) be combined into one project and that the estimated budget for this combined project be adjusted to account for the current construction cost environment. There were no objections to these requests. The TAC also discussed adjusting estimated costs of other future CIP projects to account for inflation.

TAC Recommendations on 5-year CIP: (see attached CIP table and Plymouth Cr restoration fact sheet)

- A. Combine Plymouth Creek Restoration Projects 2026CR-P and 2027CR-P into one project and increase estimated cost from \$1.1M (total of individual projects) to \$2M (combined larger project).
- B. Increase estimated costs of other CIP projects including
 - a. BC-2,3,8,10 (2025 and 2026) from \$1.3M to \$1.6M
 - b. 2024CR-M from \$700,000 to \$800,000
 - c. BC-13 from \$700,000 to \$900,000

3. Outreach to Cities for WMP Development

TAC members briefly reviewed how they would gather input from city councils or commissions on the BCWMC 2025 Watershed Management Plan (WMP). TAC members requested additional information from BCWMC staff on what information and input the BCWMC seeks from cities. Administrator Jester and Commission Engineer Chandler agreed to develop a more formal request for city’s use.

4. Watershed Based Implementation Funding Convene Meetings

The TAC appointed Mark Ray and Erick Francis as city representatives for a future “convene” meeting regarding use of BWSR’s Watershed Based Implementation Funding for FY22-23. The convene meeting will likely be held in early May.

Project Category: Water Quality/Water Capacity

Project Title: Plymouth Creek Stream Restoration – Dunkirk to PIC

Total Estimated Cost: \$2,000,000

BCWMC Project Number: 2026CR-P

Description:

This project in the city of Plymouth will repair erosion and sedimentation that is occurring in Plymouth Creek from Dunkirk Lane to 37th Avenue North behind the Plymouth Ice Center (PIC). The project will likely include various erosion repair and buffer restoration techniques, removal of accumulated sediment, reduction of flood potential, and enhancement of riparian wetlands.

Source of Project Funding	2023	2024	2025	2026	2027
CIP Account – BCWMC ad valorem tax levy through Hennepin County				<u>\$1,000,000</u>	<u>\$1,000,000</u>

Justification:

This stream restoration project along 6,500 feet of Plymouth Creek will remove accumulated sediment from the stream channel and adjacent wetlands. Removing accumulated sediment in this area will result in lowering the flood potential for homes and stormwater infrastructure. Additionally, private landowners along this stretch will be contacted with the goal of expanding buffers along backyards.

Erosion along the stream channel would be repaired, reducing pollutants like total phosphorus and total suspended solids, and possibly improving riparian and in-stream habitats. Various methods of repairing erosion will be investigated including storm sewer pipe, bio engineering techniques, and rip rap. Natural restoration techniques will be followed as much as possible, however the need for hard armoring and rip rap is expected to be necessary in some locations.

As a part of the stream restoration project, educational efforts including outreach and signage along the trail will be included. Additional outreach will be done with students and staff at Plymouth Creek Elementary School, which is within the project area.

Scheduling and Project Status:

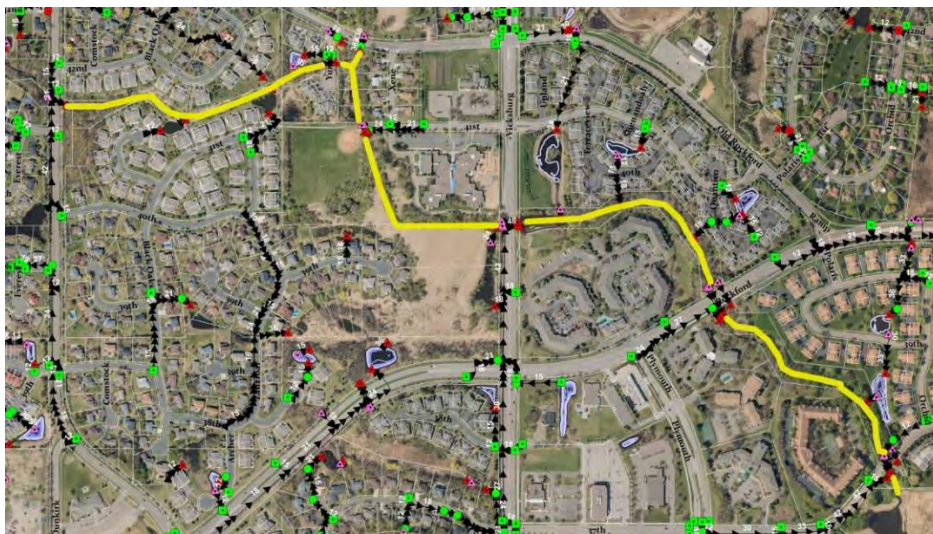
[Staff will provide this information.]

Relationship to BCWMC Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan. This project would assist in meeting the goals of the Medicine Lake Total Maximum Daily Load study.

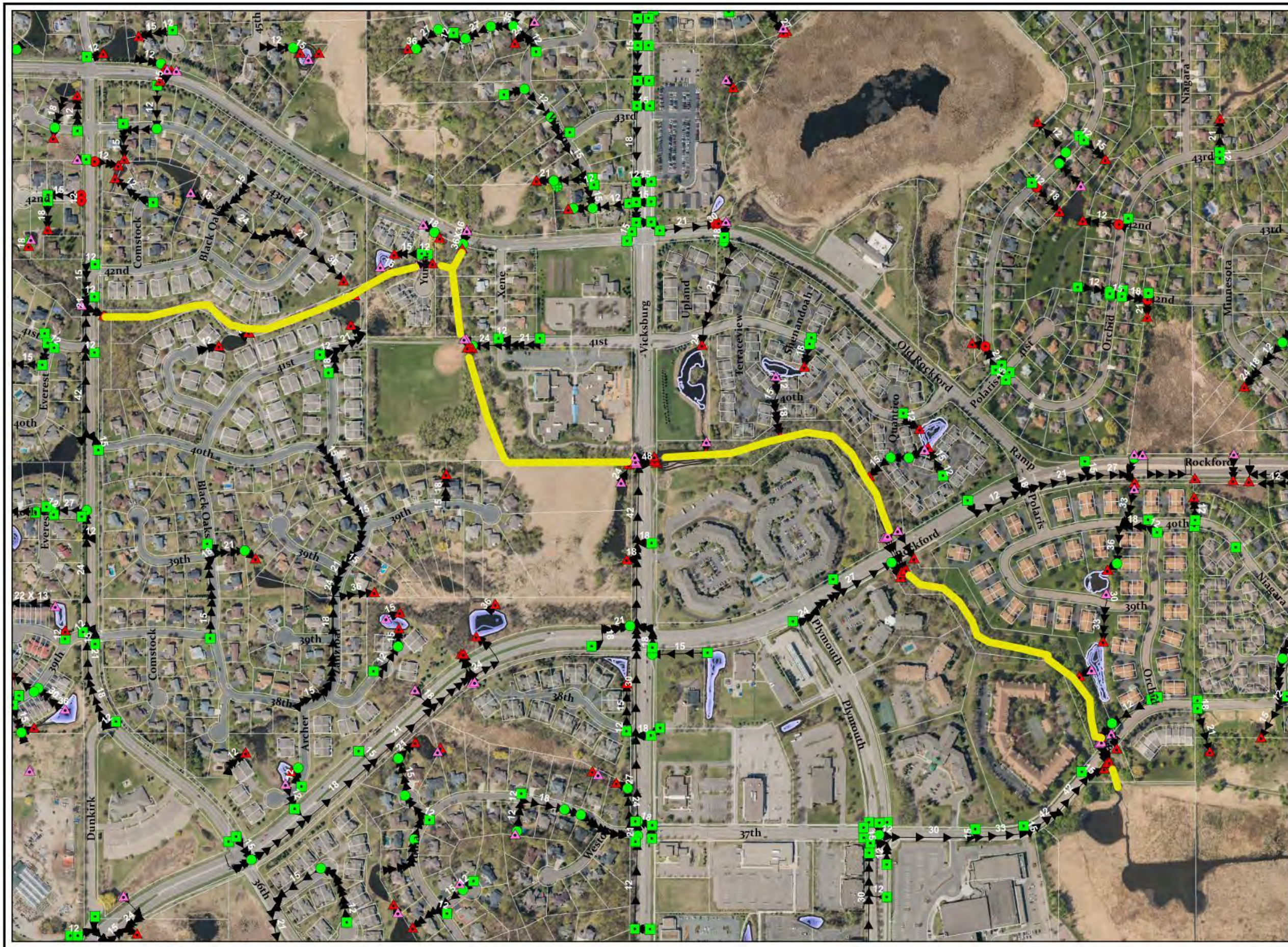
Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.

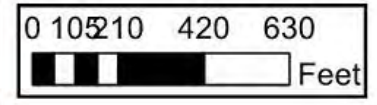
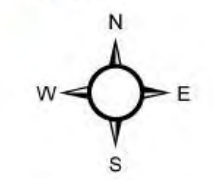


Plymouth Creek Stream Restoration

~6,500 lf



- Legend**
- BAP
 - EAP
 - Storm_CatchBasin
 - Storm_Manhole
 - Storm_Outlet
 - Storm_Sumps
 - Storm_Main
 - Storm_Culvert
 - Lakes
 - Parcels



DRAFT BCWMC 5-year Capital Improvement Program: 2024 – 2028 CIP List

Project Name	City	Number	2020	2021	2022	2023	2024	2025	2026	2027	2028	Totals
Medicine Lake Rd & Winnetka Ave Long Term Flood Mitigation Plan Project (DeCola Ponds B&C Improvement Proj. + DeCola Pond F Flood Storage & Diversion Project + SEA School Flood Storage)	GV, Crystal, New Hope	BC-2,3,8, 10	\$500,000		\$300,000	\$1,000,000		\$1,000,000 \$1,150,000	\$300,000 \$450,000			\$4,131,500 \$4,431,500 (inc. 2019 costs)
Water quality improvements in Bryn Mawr Meadows, Main Stem Watershed ¹	MPLS	BC-5	\$100,000	\$412,000		\$923,000						\$1,435,000
Medley Park Stormwater Treatment Facility ³	GV	ML-12			\$400,000	\$150,000	\$800,000					\$1,350,000
Mt. Olivet Stream Restoration Project	PLYM	ML-20		\$178,100								\$178,000
Dredging accumulated sediment in Main Stem Bassett Creek Lagoons, Wirth Park ⁴	GV/MPLS	BC-7		\$600,000	\$1,100,000	\$534,000	\$200,000					\$2,434,000
Stormwater Pond in Jevne Park to alleviate flooding/improve water quality	Medicine	ML-21	\$500,000									\$500,000
Crane Lake Improvement Project @ Ridgedale Dr.	Minnetonka	CL-3	\$380,000									\$380,000
Parkers Lake Drainage Improvement Project	Plymouth	PL-7		\$485,000								\$485,000
Bassett Creek Main Stem Restoration - Regent Ave to Golden Valley Rd	Golden Valley	2024-CR-M					\$100,000 \$200,000	\$600,000				\$700,000 \$800,000
Ponderosa Woods Stream Restoration	Plymouth	ML-22					\$475,000					\$475,000
Sweeney Lake Water Quality Improvement Project (alum + carp management)	Golden Valley	SL-8	\$20,000 ²	\$218,080 ²								\$238,080
Cost share purchase of high efficiency street sweeper	Plymouth	ML-23		\$81,600								\$81,600
Crane Lake Chloride Reduction Demonstration Project at Ridgedale Mall	Minnetonka	CL-4							\$300,000			\$300,000
Plymouth Creek Restoration Project Old Rockford Rd. to Vicksburg Ln. <u>Dunkirk Lane to Plym Ice Center</u>	Plymouth	2026CR-P							\$500,000 \$1,000,000	\$1,000,000 \$1,000,000		\$500,000 \$2,000,000
Cost share purchase of high efficiency street sweeper	Golden Valley	BC-12					\$100,000	\$50,000				\$150,000
Toledo Ave/Minnaqua Pond Stormwater Improvements & Flood Reduction	Golden Valley	BC-13								\$300,000 \$400,000	\$400,000 \$500,000	\$700,000 \$900,000
Plymouth Creek Restoration Dunkirk to Yuma and Vicksburg to Cty Rd 9	Plymouth	2027CR-P								\$600,000		\$600,000
Flood Control Project Double Box Culvert Repairs	Minneapolis	FCP-1								\$700,000 \$400,000	\$500,000 \$800,000	\$1,200,000
Estimated Total Project Cost			\$1,500,000	\$1,974,780	\$1,800,000	\$2,607,000	\$1,775,000	\$1,800,000	\$1,750,000	\$1,800,000	\$1,200,000	
Estimated Use of BCWMC Closed Project Account Funds			\$0	\$500,000	\$100,000	\$400,000	\$0	\$0	\$0	\$0	\$0	\$1,000,000
Estimated Total Levy			\$1,500,000	\$1,474,780	\$1,700,000	\$2,207,000	\$1,775,000	\$1,800,000	\$1,750,000	\$1,800,000	\$1,200,000	\$12,833,780

¹ Total project cost estimated at \$1,835,000, received \$400,000 Clean Water Fund grant.

² Total project cost estimated at \$568,080, received \$330,000 Federal 319 grant.

³ Estimated total project costs at \$2,150,000; Golden Valley to provide estimated \$500,000; \$300,000 Clean Water Fund Grant

⁴ Total project cost reduced by \$500,000 for lower-than-expected engineering; \$325,000 in grants received



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5D– Consider Approval of Proposal to Prepare Feasibility Study for the City of
Medicine Lake Water Quality Improvement Project (2020 CIP Project ML-21)
BCWMC April 21, 2022 Meeting Agenda
Date: April 14, 2022

5D. Consider Approval of Scope and Budget for Analysis of Alternatives to Jevne Park Stormwater Improvement Project, City of Medicine Lake (2020 CIP Project ML-21)

Recommendations:

1. Consider approving the scope of work and \$43,000 budget presented in this memorandum and direct the Engineer to complete the analysis of alternatives to the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21).

Background

As the City of Medicine Lake is nearly all surrounded by Medicine Lake, maintaining and improving the quality of the lake itself is paramount. Medicine Lake is listed as impaired on the Minnesota Pollution Control Agency (MPCA) 303d list for mercury, chlorides, and excess nutrients (e.g. total phosphorus). However, given the city's size and current infrastructure, there are limited opportunities for stormwater management retrofits to help improve runoff, except for the Jevne Park area.

In 2019, the Bassett Creek Watershed Management Commission (BCWMC) completed a [feasibility study](#) for a water retention pond in Jevne Park that was intended to:

- improve management of stormwater runoff as the city has no municipal storm sewer system
- increase capacity for stormwater storage within the existing natural pond/wetland and swale in Jevne Park, improving conditions during the smaller (less than 10-year) more frequent rain and snowmelt events,
- improve a route to carry and store excess stormwater to minimize flooding within Jevne Park and on approximately 15 adjacent residential properties
- reduce sediment and phosphorus loading to Medicine Lake
- reduce City of Medicine Lake capital and maintenance expenditures associated with road and culvert repair caused by excessive volumes and rates of runoff
- improve waterfowl and wildlife habitats

At their meeting in September 2019, the Commission officially ordered the project (Concept 1 from feasibility study) and received 2020 levy funds for the project. However, the City of Medicine Lake City

Council decided not to pursue the project and declined to enter into an agreement with the BCWMC to construct the project, citing a low-cost benefit and high maintenance costs.

In January 2022, the City of Medicine Lake submitted a formal request for the Commission to analyze alternatives to the Jevne Project that may have similar benefits to the project. Based on follow-up conversations and direction from the BCWMC, this additional study will include a complete shoreline buffer inventory and analysis along with the evaluation of an enhanced street sweeping program.

This project will serve as an addendum to the previously completed feasibility study for the stormwater improvement project in Jevne Park.

Content and Scope of Study

Below is a summary of the work scope components for this study, which will encompass the entirety of the City of Medicine Lake, with the primary focus on Medicine Lake shoreline properties:

- 1) Project Meetings
 - a) We will hold one project kick-off meeting with the BCWMC Administrator and Medicine Lake representatives and will prepare meeting notes.
 - b) We will hold one additional meeting with Medicine Lake representatives, as needed.
 - c) We assume all meetings will be virtual (MS Teams).
 - d) We will prepare and send biweekly updates to the project team providing updates on work completed and upcoming work throughout the project
- 2) Shoreline Assessment
 - a) Using current, high resolution aerial photography in combination with the University of Minnesota (U of MN) 2015 Twin Cities metropolitan area land cover dataset, we will develop a map of land cover types within a defined shoreline buffer area. We will perform an initial desktop screening of vegetation and condition within 50 feet of the shoreline. This will include remote mapping of approximately 250 properties. Additional resolution will be added to the U of MN dataset based on review against the aerial photos and will include development of a GIS coverage defining vegetation categories within the buffer zone such as turf, riprap, beach, natural/perennial vegetation, landscaped gardens, tree/forested, emergent wetland zone, and impervious area.
 - b) Upon completion of the desktop assessment of the shoreline buffer, we will perform a field review and confirmation of the buffer desktop classifications for the approximately 250 shoreline properties, noting major plant species within the buffer zone areas, and general condition of the buffer area. This will include flagging any areas of shoreline or upland erosion noted within the buffer zone. Photos will be taken to document buffers and buffer conditions. Data will be collected in the field using handheld devices and online GIS maps to streamline the data review and collection process.

- c) We assume that we can walk the shoreline to confirm buffer and shoreline condition. We assume that the BCWMC Administrator, in close collaboration with the City, will secure access for the shoreline field assessment, including communications with the City representatives and residents.
 - d) No wetland delineations will be performed as part of the field assessment.
 - e) Based on the buffer and condition data developed as part of the desktop and field assessment, we will estimate the average shoreline buffer widths within the City of Medicine Lake, assuming buffers are reflective of non-turf or impervious areas adjacent to the shoreline.
 - f) We will define the drainage areas directly contributing runoff to the Medicine Lake shoreline using the MnDNR 2011 LiDAR data and the current, high resolution aerial photography. Imperviousness within this area will be determined using the U of MN 2015 Twin Cities metropolitan area impervious coverage dataset. We will review the 2015 data against current aerial photos to confirm watershed impervious conditions.
 - g) We will use the MIDS calculator to estimate current total phosphorus (TP) and total suspended sediment (TSS) loads to Medicine Lake based on the existing buffer widths.
 - h) We will develop maps showing the existing buffer area and land cover classification, noting areas of shoreline or upland erosion, and flagging parcels where the average buffer width is not currently achieving the desired buffer width based on MnDNR shoreline guidance. This guidance generally indicates a buffer zone extending 25-50 ft from shoreline is preferable, but that even 10-15 ft provides some benefit.
 - i) We will estimate planning level costs for shoreline buffer restoration to meet the target buffer widths and to repair of areas of shoreline and upland erosion.
- 3) Street Sweeping Assessment
- a) The City of Medicine Lake relies on the City of Plymouth to perform its street sweeping. The City of Plymouth recently began using a regenerative air street sweeper. We will use the P8 model, other street sweeping calculators (e.g., MPCA), and City of Plymouth and other local street sweeping data (as available) to estimate potential TP removals from improved street sweeping.
- 4) Public Engagement
- a) We will coordinate with the BCWMC Administrator and City representatives to determine the best means to Inform residents about the project and request access to survey properties, as needed. This task assumes development of a project fact sheet for residents but no Commission Engineers' participation at public meetings.

5) Feasibility Memorandum

- a) We will prepare a draft summary memorandum (to serve as an addendum to the April 2019 Jevne Park Stormwater Improvement Project Feasibility study) for review by City representatives and the BCWMC administrator. We will revise the memorandum based upon review comments.
- b) We will present the draft feasibility study findings at a BCWMC meeting.
- c) We will prepare the final memorandum for approval at a BCWMC meeting (consent agenda) and for use at future project public hearing.
- d) We assume one presentation to the BCWMC will be sufficient.

Cost Estimate

Table 1 summarizes our cost estimate for the scope of work outlined above.

Table 1. Alternatives to Feasibility Study Costs

Tasks	Estimated Total
1) Project Meetings	\$3,100
2) Shoreline Assessment	\$25,200
3) Street Sweeping Assessment	\$3,000
4) Public Engagement	\$2,900
5) Feasibility Memorandum	\$8,800
Total	\$43,000

Schedule

We will complete the tasks and milestones outlined in the scope of work on the following schedule (assuming authorization no later than at the May 2022 BCWMC meeting).

Tasks and milestones	Estimated Schedule
Kick-off meeting with BCWMC Administrator and City of Medicine Lake representatives	June 2022
Coordination of shoreline access	June-July 2022
Shoreline desktop assessment	June-July 2022
Shoreline field assessment	August 2022
Shoreline pollutant loading assessment and restoration cost estimates	September-October 2022
Street sweeping assessment	June – July 2022
Draft memorandum	November 2022
BCWMC meeting	December 2022
Finalize memorandum	January 2023



Bassett Creek Watershed Management Commission MEMO

Date: April 13, 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 10th and a public hearing on the water level drawdown was held April 16th. 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 early 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 is expected to be fully executed this month. Bidding is expected in the coming weeks. 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 (See Item 5D): 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 28th. 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 5th, 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 are included for consideration at this meeting. Project webpage:

<http://www.bassettcreekwmo.org/index.php?cID=467>.

2014 Schaper Pond Diversion Project and Carp Management, Golden Valley (SL-3) (See Item 5A): 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 this meeting, the Commission will consider approval to stock panfish to predate eggs of remaining carp this spring, and approval of a scope and budget for carp removals to be implemented later in 2022 if needed. Project webpage:

<http://www.bassettcreekwmo.org/index.php?cID=277>.

Sweeney Lake Water Quality Improvement Project, Golden Valley (SL-8) (No change since March 2021): 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 8th 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 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 2nd 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, Dominium 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 Dominium 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

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 are being held this fall and winter to develop recommendations on BMPs. A technical findings report is expected this spring. Project website: 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

2021 Main Stem Lagoon Dredging Project (BC-7): 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 7th 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 presented at a future meeting. Staff is in contact with MPRB staff regarding the best

way to inform the public and park users on the project. Project website: 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 3rd at Brookview. A grant work plan was developed in March and a grant agreement was approved at the March meeting. 90% plans are being designs and are expected to be presented at the May meeting. www.bassettcreekwmo.org/projects/all-projects/medley-park-stormwater-treatment-facility

2022 SEA School-Wildwood Park Flood Reduction Project (BC-2, 3, 8, 10): 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 8th. 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 3rd. 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.

Administrator Report March 9 – April 12, 2022

Subject	Work Progress
Education and Outreach	<ul style="list-style-type: none"> • Reviewed WMWA meeting materials and attended WMWA meeting: finalized education fliers, coordinated participation at Discover Plymouth event, discussed creating full or part time WMWA coordinator position, possibly through Hennepin County • Corresponded with CAMP volunteers and Met Council, performed inventory of CAMP supplies and submitted equipment needs to Met Council – will deliver equipment this week • Developed and submitted Letter of Understanding to each member city detailing 2021 education activities for use in their MS4 permit reporting • Participated in DEI workgroup meeting facilitated by Capitol Region Watershed District
CIP	<ul style="list-style-type: none"> • <u>Main Stem Lagoon Dredging Project</u>: Reviewed and submitted response to resident questions about incorporating “safety benches” into design • <u>Bryn Mawr Meadows Water Quality Improvement Project</u>: Reviewed agreement exhibits and corresponded with Commission Engineer, MPRB, and MPLS staff on timing of agreement approval and accuracy of exhibits • <u>Main Stem Erosion Repair Project</u>: Reviewed/revise ERF grant final report and payment request

	<ul style="list-style-type: none"> • <u>Schaper Pond Diversion Project and Carp Management</u>: Discussed 2022 carp survey, panfish stocking recommendation, and scope/budget for possible carp removals with Engineer Wilson and assisted with outlining memo to Commission
Chloride Work and Henn Co. Chloride Initiative	<ul style="list-style-type: none"> • Set and attended two small group HCCI meetings to review work on Marketing Campaign; corresponded with small group members and consultant between meetings • Discussed Smart Salting for Local Leaders workshop potential with MPCA and watershed administrators • Signed onto letter of support for limited liability legislation
Administration	<ul style="list-style-type: none"> • Developed agenda; reviewed and submitted invoices; reviewed financial report; reviewed and edited March 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 Vice Chair Welch and Commissioner Engineer; drafted meeting follow up email; ordered catering for April Commission meeting • Got signatures on checks and documents, mailed and filed agreements • Reviewed CAMP agreement and sent to Attorney Anderson for review • Sent email to commissioners with updates and events • Attended Administrative Services Committee and prepared recommendations for March Commission meeting • Prepared preliminary 2023 Operating Budget with Commission Engineer input, developed Budget Committee meeting agenda and materials, delivered meeting materials, attended committee meeting • Attended Technical Advisory Committee meeting and prepared memo with TAC recommendations • Set standing TAC meetings • Corresponded with county staff re: maximum levy timing • Met with Golden Valley staff to discuss DFC intern; met with Dougherty Family College representative about internship and corresponded with Attorney Anderson about needed agreement(s) (expected at May meeting) • Attended in person meeting (St. Paul) of MN Association of Watershed Administrators • Sent “welcome email” and met with new Medicine Lake Alternate Commissioner Kennedy for Commission introduction • Participated in “check-in” meeting with Minneapolis staff re: future tunnel agreements • Participated in MAWD Handbook Committee meeting to help MAWD contractor continue to refine/revise handbook • Fielded questions from residents and developers on various topics including zebra mussels, structure in Plymouth Creek, development standards and application process, etc.
Grant Work	<ul style="list-style-type: none"> • Received notice of \$10,000 grant award for herbicide treatment in Medicine Lake; corresponded with DNR for clarification • Received notice of \$20,000 grant for Phase 2 Lawns to Legumes grant from BWSR for implementation by Metro Blooms; corresponded with Metro Blooms and with Attorney Anderson re: sub-grant contract • Prepared and submitted work plan for Medley Park Stormwater Improvement Project Clean Water Fund grant
2025 Watershed Management Plan	<ul style="list-style-type: none"> • Met with Commission Engineers to finalize scope and budget and to plan first few months of work • Drafted stakeholder input process overview (fact sheet), city input questionnaire, and reviewed/revised official city input notification letter – submitted all documents to member cities with June 15th initial input deadline • Continued planning for Equity in Watershed Management workshop – developed invitation, spoke with Hennepin County staff, MWMO staff, Metro Blooms staff, and Shingle Creek reps re: agenda and content; corresponded with community member for presentation on examples of environmental injustices; met with Commissioner Fernando to better define outcomes and develop ideas for audience interaction and participation
Other Issues & Projects	<ul style="list-style-type: none"> • Corresponded with DNR and TRPD on Medicine Lake Vegetation Management Plan (submitted approved plan) • Corresponded with herbicide contractor, DNR, and TRPD on curly-leaf pondweed treatments for 2022