



Bassett Creek Watershed Management Commission

Public Hearing & Regular Meeting

Thursday September 17, 2020

8:30 – 11:00 a.m.

Via WebEx – Click [HERE](#) to join the meeting.

Or join by phone +1-408-418-9388; Access code: 126 010 8166; Password: BCWMC

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 Commission committee.*

3. APPROVAL OF AGENDA

4. CONSENT AGENDA

- A. Approval of Minutes – August 20, 2020 Commission Meeting
- B. Acceptance of September 2020 Financial Report
- C. Approval of Payment of Invoices
 - i. Keystone Waters, LLC – August 2020 Administrative Services
 - ii. Keystone Waters, LLC – August 2020 Expenses
 - iii. Barr Engineering – August 2020 Engineering Services
 - iv. Lawn Chair Gardener – August 2020 Administrative and Education Services
 - v. Wenck – August WOMP Monitoring
 - vi. Kennedy & Graven – July 2020 Legal Services
 - vii. Metro Blooms – Lawns to Legumes Project
 - viii. Finance & Commerce – Public Notice Printing
 - ix. ECM Publishers, Inc. – Public Notice Printing
- D. Approval to Direct Commission Staff to Finalize Bid Package and Advertise for Bids for Sweeney Lake Alum Treatment

5. PUBLIC HEARING

- A. Receive Comments on Proposed 2021 CIP Projects (15 min)
 - i. Mt. Olivet Stream Restoration Project (ML-20)
 - ii. Parkers Lake Drainage Improvement Project (PL-7)
 - iii. Cost Share Purchase of High Efficiency Street Sweeper (ML-23)
 - iv. Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project (BC-7)

6. BUSINESS

- A. Consider Approval of Resolution 20-06 Ordering 2021 Improvements (20 minutes)
 - i. Ordering 2021 Improvements
 - ii. Making Findings Pursuant to Minnesota Statutes Section 103B.251
 - iii. Certifying Costs to Hennepin County
 - iv. Approving Agreement with City of Plymouth for Construction of Mt. Olivet Stream Restoration Project (ML-20)

- v. Approving Agreement with City of Plymouth for Construction of Parkers Lake Drainage Improvement Project (PL-7)
- vi. Approving Agreement with City of Plymouth for Implementation of Cost Share Purchase of High Efficiency Street Sweeper (ML-23)
- B. Review Final Report for Winnetka Pond Dredging Project (10 min)
- C. Consider Approval of Reimbursement Request for Winnetka Pond Dredging Project (5 min)
- D. Review Impacts of Old vs. New Linear Project Requirements (20 min)

7. COMMUNICATIONS (10 minutes)

- A. Administrator's Report
- B. Chair
- C. Commissioners
- D. TAC Members
 - i. Upcoming Meeting: Thursday, October 1st
- E. Committees
- F. Education Consultant
 - i. [Latest Education Video on Pollinators](#)
- G. Legal Counsel
- H. Engineer
 - i. Update on Deep Tunnel Inspection

8. INFORMATION ONLY (Information online only)

- A. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- B. Grant Tracking Summary and Spreadsheet
- C. 2020 BCWMC Administrative Calendar
- D. Letter to Residents on Medley Park Feasibility Study

9. ADJOURNMENT

Upcoming Meetings & Events

- Westwood Hills Nature Center Ribbon Cutting: Sunday September 13th, 2:30 p.m.
- MAISRC Showcase: Afternoons of September 22 – 24, <https://www.maisrc.umn.edu/showcase>
- BCWMC TAC Meeting: Thursday, October 1, 2020, 10:30 – 12:00 via Zoom
- Bassett Creek Watershed Mgmt Commission Meeting: Thursday October 15th, 8:30 a.m. via WebEx
- Minnesota Water Resources Conference: October 20 – 21; Online <https://ccaps.umn.edu/minnesota-water-resources-conference>



Bassett Creek Watershed Management Commission

AGENDA MEMO

Date: September 10, 2020

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: Background Information for 9/17/20 BCWMC Meeting

1. **CALL TO ORDER and ROLL CALL**
2. **PUBLIC FORUM ON NON-AGENDA ITEMS**
3. **APPROVAL OF AGENDA – ACTION ITEM with attachment**
4. **CONSENT AGENDA**
 - A. Approval of Minutes – August 20, 2020 Commission Meeting- ACTION ITEM with attachment
 - B. Acceptance of September Financial Report - ACTION ITEM with attachment (full report online)
 - 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 – August 2020 Administrative Services
 - ii. Keystone Waters, LLC – August 2020 Expenses
 - iii. Barr Engineering – August 2020 Engineering Services
 - iv. Lawn Chair Gardener – August 2020 Administrative and Education Services
 - v. Wenck – August WOMP Monitoring
 - vi. Kennedy & Graven – July 2020 Legal Services
 - vii. Metro Blooms – Lawns to Legumes Project
 - viii. Finance & Commerce – Public Notice Printing
 - ix. ECM Publishers, Inc. – Public Notice Printing
 - D. Approval to Direct Commission Staff to Finalize Bid Package and Advertise for Bids for Sweeney Lake Alum Treatment – ACTION ITEM with attachment; full documentation online – Due to the anticipated cost of the alum treatment for Sweeney Lake and the federal grant received for the project, the BCWMC must advertise for bids for the work. The draft bid documents are attached; staff should be directed to finalize the documents with Commission attorney and administrator review and then submit for official advertisement. At the October meeting, the Commission will select a bidder and approve a contract for the work.
5. **PUBLIC HEARING**
 - A. Receive Comments on Proposed 2021 CIP Projects (15 min) - PUBLIC INPUT ITEM with attachment - The public hearing will be opened and the public will be asked for comments on the 2021 CIP projects. All comments will be entered into the public record and will be considered before the Commission approves the resolution in 6A below. Project webpages are included below and in the attached public hearing notice. They can also be found at www.bassettcreekwmo.org/projects.
 - i. [Mt. Olivet Stream Restoration Project](#) (ML-20)
 - ii. [Parkers Lake Drainage Improvement Project](#) (PL-7)
 - iii. Cost Share Purchase of High Efficiency Street Sweeper (ML-23)
 - iv. [Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project](#) (BC-7)

6. BUSINESS

- A. Consider Approval of Resolution 20-06 Ordering 2021 Improvements (20 minutes) – **ACTION ITEM WITH ATTACHMENT** - *Pending the outcome of the public hearing in 5A, the attached resolution should be considered for approval to order the projects, designate members responsible for construction, make findings pursuant to MN Statutes 103B.25, certify the costs of the 2021 projects to Hennepin County, and approve agreements with the City of Plymouth for implementation of the three projects in their city. Staff recommends approval of the resolution which approves the following:*
- i. Ordering 2021 Improvements
 - ii. Making Findings Pursuant to Minnesota Statutes Section 103B.251
 - iii. Certifying Costs to Hennepin County - *The attached memo shows the breakdown of estimated project costs for the 2021 projects and recommends the Commission direct staff to certify for payment by Hennepin County in 2021 a total (final) tax levy of \$1,474,780.*
 - iv. Approving Agreement with City of Plymouth for Construction of Mt. Olivet Stream Restoration Project (ML-20) - *The attached agreement between the City of Plymouth and the BCWMC includes expectations and requirements of the city and the Commission for implementation of the Project.*
 - v. Approving Agreement with City of Plymouth for Construction of Parkers Lake Drainage Improvement Project (PL-7)- *The attached agreement between the City of Plymouth and the BCWMC includes expectations and requirements of the city and the Commission for implementation of the Project.*
 - vi. Approving Agreement with City of Plymouth for Implementation of Cost Share Purchase of High Efficiency Street Sweeper (ML-23) - *The attached agreement between the City of Plymouth and the BCWMC includes expectations and requirements of the city and the Commission for implementation of the Project.*
- B. Review Final Report for Winnetka Pond Dredging Project (BCP-2) (10 min) – **ACTION ITEM with attachment** – *Construction of the Winnetka Pond Dredging Project is complete and the final report is attached. Crystal staff will give an overview of the project outcomes. Restoration of the native buffer around the pond is active and will be ongoing through 2023. Staff recommends approval of the report. An addendum to the report will be added after buffer restoration is complete.*
- C. Consider Approval of Reimbursement Request for Winnetka Pond Dredging Project (BCP-2)(5 min) – **ACTION ITEM with attachment; full documentation online** – *I have reviewed the reimbursement request documentation and recommend approval. The project is within budget and the final reimbursement request will be submitted after native buffer restoration is complete in 2023.*
- D. Review Impacts of Old vs. New Linear Project Requirements (20 min) – **DISCUSSION ITEM with attachment** - *At their May 18, 2017 meeting, the Commission approved revisions to the BCWMC's Requirements document that revised the BCWMC's water quality performance standards for linear projects. The Commission has requested periodic analysis comparing the revised (new) linear project standards with the previous (old) standards on linear projects reviewed by the BCWMC since May 2017. The attached memo builds on the analysis presented in September 2018.*

7. COMMUNICATIONS (10 minutes)

- A. Administrator's Report – **INFORMATION ITEM with attachment**
- B. Chair
- C. Commissioners
- D. TAC Members
 - i. Upcoming Meeting: Thursday, October 1st
- E. Committees
- F. Education Consultant
 - i. [Latest Education Video on Pollinators](#)
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Bassett Creek Watershed Management Commission

**DRAFT Minutes of Regular Meeting
Thursday, August 20, 2020
8:30 a.m.**

Via video conference due to the COVID-19 global pandemic

1. CALL TO ORDER and ROLL CALL

On Thursday, August 20, 2020 at 8:321 a.m. via video conference, Chair Prom called the meeting of the Bassett Creek Watershed Management Commission (BCWMC) to order.

Commissioners and city staff present:

City	Commissioner	Alternate Commissioner	Technical Advisory Committee Members (City Staff)
Crystal	Dave Anderson	<i>Vacant Position</i>	Mark Ray
Golden Valley	<i>Absent</i>	Jane McDonald Black	Jeff Oliver, Drew Chirpich
Medicine Lake	Clint Carlson	Gary Holter	<i>Absent</i>
Minneapolis	Michael Welch (Vice Chair)	<i>Vacant Position</i>	Liz Stout
Minnetonka	Mike Fruen	<i>Vacant Position</i>	Leslie Yetka
New Hope	<i>Absent</i>	Patrick Crough	Megan Hedstrom
Plymouth	James Prom (Chair)	Catherine Cesnik	Ben Scharenbroich
Robbinsdale	<i>Vacant Position</i>	Wayne Sicora	Richard McCoy
St. Louis Park	Jim de Lambert (Secretary)	<i>Absent</i>	Erick Francis
Administrator	Laura Jester, Keystone Waters		
Engineer	Karen Chandler, Barr Engineering Jim Herbert, Barr Engineering		
Recorder	<i>Absent</i>		
Legal Counsel	Sarah Sonsalla, Kennedy & Graven		
Presenters/ Guests/Public	Kelly McIntyre and Kelly Moriarty, City of Minneapolis; Tim Johnson (for Brose Property Project); Julie Benadum (Brown and Caldwell, for Irving Avenue sanitary sewer project)		

2. PUBLIC FORUM ON NON-AGENDA ITEMS

Commissioner Carlson and Alternate Commissioner Holter reported that the water quality in Medicine Lake has been very poor this summer and they have received messages from multiple concerned residents regarding bacteria levels, water quality, and aquatic invasive species. They requested that the BCWMC investigate conditions and noted that residents are wondering what they can do to improve conditions. Administrator Jester noted that although the BCWMC is not monitoring the lake this year, she will contact Three River Park District (TRPD) staff about their observations and monitoring results on the lake this summer. She also noted that the maximum amount of curly-leaf pondweed permitted to be treated was treated early in the summer but that another large area of the plant was recorded and was not treated. She reported that she and TRPD staff have already been in communication with the DNR about allowing a larger area of curly-leaf pondweed treatment next summer. Chair Prom noted that Bass Lake has had poor water quality this year despite an alum treatment last year. Commission Engineer Chandler noted that some lakes are noticing better water quality this summer because it's been a drier year with less runoff.

[Commissioner Fruen joins the meeting.]

3. APPROVAL OF AGENDA

MOTION: Commissioner Carlson moved to approve the agenda. Alternate Commissioner McDonald Black seconded the motion. Upon a rollcall vote, the motion carried 9-0.

4. CONSENT AGENDA

The following items were approved as part of the consent agenda: July commission meeting minutes (with addition of noting chair and secretary positions in list of attendees), August financial report, payment of invoices, approval of Rude Property and Brose Property Shoreline Improvement Projects.

The general and construction account balances reported in the August 2020 Financial Report are as follows:

Checking Account Balance	\$682,193.65
TOTAL GENERAL FUND BALANCE	\$682,193.65
TOTAL CASH & INVESTMENTS ON-HAND (8/11/20)	\$4,017,914.04
CIP Projects Levied – Budget Remaining	(\$4,501,715.65)
Closed Projects Remaining Balance	\$1,585,040.09
2015-2018 Anticipated Tax Levy Revenue	\$2,288.14
2019 Anticipated Tax Levy Revenue	\$4,953.76
Anticipated Closed Project Balance	\$1,592,281.99

MOTION: Commissioner Welch moved to approve the consent agenda. Commissioner de Lambert seconded the motion. Upon a rollcall vote, the motion carried 9-0.

5. BUSINESS

A. Consider Variance Request and Approval of Sanitary Sewer Replacement Project, Minneapolis

Administrator Jester reminded commissioners that they received an overview of this project at their June meeting and that since that time the Commission Engineers and city staff and their consultants have been working to answer questions and further develop the project plans. She also noted that she and city staff agreed it would be most efficient for Barr Engineering to perform some modeling on behalf of the city for this project (as noted in the Engineer's memo). Commissioner Welch indicated concern about the fact that Barr Engineering also developed the

Response Action Plan on behalf of the city and that he plans to discuss the possible conflict of interest with the Administrator outside of the meeting.

Commission Engineer Chandler provided an overview of the project and the variance request and indicated that previous issues and questions had been resolved to the Commission Engineers' satisfaction aside from a few conditions. Her review of the project included:

- 75-foot section of existing sanitary sewer pipe running under Bassett Creek along the unused Irving Avenue bridge will be replaced
- Construction will include open cut work (rather than tunneling underground) and the creek will be diverted around the area during construction
- Construction is slated for September 2020 – September 2021
- Modeling indicates that the project does not permanently impact the floodplain, even given the removal of the Irving Ave. bridge and increased material to be placed over the pipe in the streambed
- It is a linear project, and the size and nature of the project do not trigger BCWMC erosion and sediment control, water quality, and rate control requirements
- City will require the contractor to develop dewatering and diversion plan and the construction drawings included several required components of the plan. This plan would come to the Commission Engineer as a separate application for review.
- Stream restoration techniques are consistent with the techniques to be used for the BCWMC Erosion Repair Project along this same reach
- Soil adjacent to stream is contaminated so clean fill will be needed where contaminated soil is removed

Engineer Chandler then reviewed the variance request:

- Currently there is 3 feet of cover over the existing pipe; BCWMC requirement = 4 feet of cover; city seeking variance to 2.4 feet of cover
- There are multiple constraints including pipe flow rates and tie-in elevations between new pipe section and existing pipes
- City addressed variance conditions
- City will cover pipe with large riprap to reduce scour over the pipe
- Sheet pile weir located just downstream of pipe will be left in place to further protect streambed from scour
- One of the Engineer's recommended conditions requires the City to regularly inspect cover over the pipe and to have plan in place for maintenance if the pipe is exposed

Engineer Chandler reported that the Commission Engineer feels comfortable recommending approval of the project and the variance request with a few conditions.

There was some discussion about the project review fees. It was noted the city will be invoiced for review costs above \$5,000 as per BCWMC review fee structure.

MOTION: Commissioner Carlson moved to approve the project and the variance request with conditions noted in the Commission Engineer's Review Memo. Commissioner de Lambert seconded the motion.

Discussion: Commissioner Welch noted that he doesn't feel prepared to make a decision about the project at this point because it doesn't appear the risk of damages is fully mitigated. Commission Engineer Herbert noted there were many technical issues analyzed, particularly the protection of the pipe and impacts to the floodplain. He noted the Commission Engineer fully analyzed the city's analyses for scour reduction and that this review was one of the most extensive and exhaustive reviews in recent Commission history. He noted that with regular inspection of the streambed and pipe cover, he feels comfortable recommending approval.

Commissioner Welch noted the directions to the city regarding the inspection plan should be specific and robust. He noted the liability around the project is substantial. Alternate Commissioner Sicora noted that he is comfortable with the analyses of the project. There was further discussion about the inspection plan. Ms. Stout (Minneapolis

TAC member) noted that this project is a \$10M city investment to replace 120-year-old infrastructure. She noted it is in the city's best interest to ensure the project is built properly and inspected regularly. She reported the city already has a robust infrastructure inspection program and this will be added to it.

It was confirmed the motion on the table includes the administrative approval of the dewatering and diversion plan.

VOTE: Upon a roll call vote, the motion passed with 8 voting in favor and the city of Minneapolis abstaining from the vote.

B. Receive Update on 2021 Tax Levy Request to Hennepin County

Administrator Jester and several BCWMC commissioners met with County Commissioner Fernando via an online platform. County Commissioner Fernando appreciated that BCWMC took a second look at the 2021 levy and lowered it to an amount just below the 2020 levy. They discussed how Theodore Wirth Regional Park is a community asset, so the Main Stem Lagoon Dredging Project is of great importance. Most of the discussion revolved around the lowering of the levy amount. During the Hennepin County Administrative Committee meeting, County Commissioner Fernando reiterated her appreciation of the BCWMC's work and lowering the original levy request. County Commissioner Opat noted he is comfortable with this levy request and noted that various watershed organizations are funded in different ways, including watershed districts with direct taxing authority vs. watershed management organizations that have a high level of citizen involvement. BCWMC's maximum levy request passed the County Administrative Committee unanimously and then passed the full County Board on consent with no discussion on August 11, 2020.

Commissioner Welch commented that those participating in the meeting with Commissioner Fernando were well prepared, thanks to Administrator Jester's work. He thought it was a good moment for the Commission and a good way to strengthen the relationship with County Commissioner Fernando.

C. Consider Adopting Minor Watershed Plan Amendment

Administrator Jester reviewed her memo in the meeting packet, noted that the amendment included the addition of three CIP projects, and explained the confusion surrounding the proposed revisions to wetland policies in the plan amendment. The language that was reviewed by the public, cities, and other agencies did not include the most updated language. She noted that the proposed language in the plan amendment changes the requirement for cities to develop standards to control bounce, runoff, and inundation to an "encouragement" for cities to do so.

Administrator Jester reported the Commission received no negative comments from member cities, Hennepin County, or review agencies on its proposed minor amendment. She noted the Metropolitan Council did comment that they would like to be included early in the development of the Crane Lake Chloride Reduction Demonstration Project.

Commissioner Welch commented about the need for clear communication and clear standards. He noted that controlling bounce, runoff, and inundation is difficult to enforce, he considers "encourage" satisfactory language. Chair Prom noted his approval of the "encouragement" language as well.

MOTION: Commissioner Welch moved to adopt the minor watershed plan amendment as presented in the packet. Commissioner Fruen seconded the motion. Upon a roll call vote, the motion passed unanimously, with no cities absent from the vote.

D. Consider Proposal to Perform Feasibility Study for Medicine Lake Rd & Winnetka Ave Long Term Flood Mitigation Plan Project: DeCola Ponds - SEA School – Wildwood Park Flood Storage Project (CIP: BC-2, 3, 8, 10)

Commission Engineer Chandler reviewed the proposal and explained that the project is the next project slated for implementation following the DeCola Ponds B and C Improvement Project. Most of the project would be in

Wildwood Park and would address flooding, provide additional floodwater storage, and would include other water quality benefits. The BCWMC CIP project, which is the second phase of the MLRWA Long Term Flood Mitigation Plan, is slated for implementation starting in 2022. Therefore, a feasibility study should begin this fall so it can be approved next spring in time to set the 2022 maximum levy for Hennepin County consideration.

Engineer Chandler noted that the city of Golden Valley already performed some outreach with the school and nearby residents. That input will be incorporated into the feasibility study. The work scope includes the usual items with the typical sequence of meetings as well as field investigations and a review of MPCA databases. Wetland delineations, topographic, utilities, and tree surveys will be performed. There will be “desktop” reviews of threatened and endangered species, cultural resources, and easements. Then concept plans for the expansion of flood storage and water quality at the SEA School and Wildwood Park would be developed. It was noted the concepts will also include modifications to the Pond D outlet system to lower flood elevations on DeCola Pond D. Engineer Chandler reviewed the cost estimate and the schedule for the various study components.

Engineer Chandler reported that the BCWMC’s CIP budget for the project is \$1.3 million, but that additional funds will be needed from the DNR Flood Hazard Mitigation Funds. She noted that depending on when the bonding bill passes at the State legislature, construction may be delayed. Commissioner Welch wondered if the feasibility study should be put on hold until the DNR funding is secured. Golden Valley TAC member, Jeff Oliver, noted that the DNR is committed to providing the Flood Hazard Mitigation Funds and that it is important to be as far along in the process as possible when the bonding bill passes. Commission Engineer Chandler indicated the feasibility study would be viable for about two years before pieces would need to be updated.

There was some discussion about the concepts that would be developed including above ground and below ground storage, etc.

MOTION: Commissioner Welch moved to approve the proposal for a feasibility study for Medicine Lake Rd & Winnetka Ave Long Term Flood Mitigation Plan Project: DeCola Ponds - SEA School – Wildwood Park Flood Storage Project. Alternate Commissioner McDonald Black seconded the motion. Upon a roll call vote, the motion passed unanimously, with no cities absent from the vote.

E. Consider Proposal to Perform Feasibility Study for Medley Park Stormwater Treatment Facility (CIP: ML-12)

Commission Engineer Chandler reported that, similar to 5D above, the Medley Park Stormwater Treatment Facility CIP project is slated for implementation starting in 2022. As such, a feasibility study should get started this fall so it can be approved next spring in time to set the 2022 maximum levy for Hennepin County consideration.

The Medley Park Stormwater Treatment Facility is included in the BCWMC’s current CIP as ML-12. The proposed project is in Golden Valley and would address intercommunity flooding issues and improve water quality in Medicine Lake. The feasibility study would develop concepts for anticipated construction and implementation of the project in 2022 and 2023 at an estimated BCWMC cost of \$500,000.

Engineer Chandler noted the feasibility study process would be similar to the DeCola Ponds feasibility study just discussed. She noted the higher cost is due to geotechnical investigations (i.e. soil borings) needed to determine if infiltration is possible, and as well as some additional public engagement. Golden Valley TAC member, Jeff Oliver, stated that the Golden Valley Parks Department has engaged with park users and that the department is supportive of the project.

Commissioner McDonald Black commented on the benefit of turning unusable space into something beneficial.

Engineer Chandler review the proposed budget and schedule for the study.

MOTION: Alternate Commissioner McDonald Black moved to approve the proposal for a feasibility study for the Medley Park Stormwater Treatment Facility (CIP: ML-12). Alternate Commissioner Patrick Crough seconded the motion.

DISCUSSION: Commissioner Welch asked whether Medicine Lake would benefit from the project. Commission Engineer Chandler said that is one aspect that would be studied, including possible reductions in dissolved phosphorus. There was further discussion about the project’s impacts on Medicine Lake and whether or not contamination is likely to be discovered. Chair Prom expressed concern for moving ahead with this project given the high future levy implications due to the Main Stem Lagoon Dredging Project. Administrator Jester reminded commissioners that both of these projects were included in the approved CIP.

VOTE: Upon a roll call vote, the motion passed 8-1, with the City of Plymouth voting against the motion. No cities were absent from the vote.

F. Review 2020 Operating Budget Status

Administrator Jester briefly reviewed the status of the 2020 operating budget stating that since the year is halfway over, it’s a good time to make sure our budget is on track. She noted there are some budget lines currently over budget and others under budget. Staff believe that at the end of the year, expenses will be right around anticipated levels and no budget adjustments are necessary. There was no discussion.

G. Consider Approval of 2021 Operating Budget

Administrator Jester reported that at the May Commission meeting, a proposed 2021 operating budget of \$668,900 and corresponding city assessments were approved for dissemination to member cities for review. She reported that member cities received the proposed budget in June with a request for comments or questions by August 1, 2020 and that no cities indicated concerns with the proposed budget and that the City of Minnetonka stated support. Administrator Jester recommended approving the 2021 operating budget as proposed in May.

MOTION: Commissioner Welch moved to approve the 2021 operating budget. Commissioner McDonald Black seconded the motion. Upon a roll call vote, the motion passed unanimously. No cities were absent from the vote.

H. Consider Submitting Resolution for 2021 MAWD Legislative Platform

Administrator Jester reminded commissioners the Minnesota Association of Watershed Districts (MAWD) Board is taking proposals to consider bringing to the 2021 Legislative platform. Proposed resolutions are due by September 1, 2020 and will be considered at the MAWD annual meeting in December. No potential resolutions were brought forward. Commissioner Welch mentioned that the proposed chloride limited liability legislation (and MAWD resolution) are worth continued support.

I. Discuss Meeting Format for September 17th BCWMC Meeting

Chair Prom indicated that the Commission will continue with virtual meetings until he hears a majority of people want to meet in person.

6. COMMUNICATIONS

A. Administrator’s Report

- i. **Bladderwort in Wirth Lake Wetland**—An interesting carnivorous plant was found by WHEP volunteers that isn’t common in urban areas. Education Consultant Pape shared it on social media.
- ii. **Starry Stonewort Control, Medicine Lake** – Starry stonewort is expanding in Medicine Lake. BCWMC, Three Rivers Park District and DNR have been controlling it at the boat launch, but it is now found in 4 other areas of the lake. The DNR recommends continued monitoring and control near the boat launch, but indicates it is no longer feasible to eradicate it. Commission Engineer Chandler suggested staying in touch with MAISRC. Chair Prom asked Administrator Jester to reach out to MAISRC about being part of a research project on starry stonewort control.
- iii. **Bassett Creek Artist**- This artist received a stipend through Freshwater and is developing a coloring book featuring Bassett Creek. She would like help with distribution.
- iv. **Report on Salt Symposium**-Administrator Jester attended this. The first day focused on water softeners, dust suppressants and other non-deicer chloride sources. The second day included a presentation on how much

data is collected by Hennepin County on their salt use. Administrator Jester noted that perhaps the BCWMC and Plymouth could partner with the county to work on reducing salt use around Parkers Lake.

[Chair Prom departs the meeting. Vice Chair Welch leads remainder of meeting.]

B. Chair – Nothing to report.

C. Commissioners

- i. **Report on Salt Symposium**-Alternate Commissioner Cesnik also attended the Salt Symposium and said that it was excellent. Vice-Chair Welch talked about how salt practices and expectations have changed. Kids used to sled down streets, now people expect to go 50 miles per hour down the street. Alternate Commissioner Cesnik also talked about how Iowa Department of Transportation is experimenting with laying salt down only a tire track wide. Commissioner Welch requested that Administrator Jester and Alternate Commissioner Cesnik discuss take-aways from the symposium and how the BCWMC could utilize the information learned.

D. TAC Members – nothing to report

E. Committees - nothing to report

F. Education Consultant

- i. [Latest Education Video on AIS](#)

G. Legal Counsel

- i. Sarah Sonsalla, Kennedy & Graven is stepping in for Dave Anderson while he is on vacation.

H. Engineer

- i. Status of 2020 Lake and Stream Monitoring and M-IBI Inquiry. The engineer showed slides of the monitoring station on Sweeney Lake Branch. This is the first of two years of monitoring in this location. They have collected 5 storm samples and 3 grab samples.

They are also monitoring Sweeney and Twin Lakes this summer. The water quality in these lakes is really good this year. Commissioner McDonald Black asked whether this is a “typical” year. The engineer said since this year is drier, there is less runoff.

Last month there was a presentation about M-IBI and whether any streams in the state are meeting the impairment requirement. MPCA staff will help answer that question after the field season.

The staff gage on Medicine Lake will be replaced. Ben Scharenbroich, TAC with City of Plymouth, suggested using the staff gauge as a public engagement tool. The City of Plymouth committed to assisting with design of a user-friendly gage. The Engineer will coordinate with Plymouth staff regarding the replacement staff gage.

7. INFORMATION ONLY (Information online only)

- A. **A. CIP Project Updates** <http://www.bassettcreekwmo.org/projects>
- B. **Grant Tracking Summary and Spreadsheet**
- C. **2020 BCWMC Administrative Calendar**
- D. **[Sochacki Park Subwatershed Assessment Fact Sheet and FAQs](#)**
- E. **WCA Notice of Application, Plymouth**
- F. **WCA Notice of Decision, Plymouth**

8. ADJOURNMENT Vice-Chair Welch adjourned the meeting at 11:11 a.m.

Item 4B.
 BCWMC 9-17-20
 Full document online

BEGINNING CASH BALANCE	11-Aug-2020	82,193.65	
Transfer to 4M Fund			
	Total Cash Balance	<hr/>	82,193.65
BEGINNING INVESTMENT BALANCE		600,000.00	
Transfer from Cash			
	Total Investment Balance	<hr/>	600,000.00
	Total Cash and Investments		682,193.65
ADD:			
General Fund Revenue:			
Interest less Bank Fees-Wells Fargo		(103.97)	
Interest Earnings - 4M Funds		16.70	
Total Interst Earnings		<hr/>	(87.27)
Other:			
WOMP Grant - Metropolitan Council		4,500.00	
Permits:			
Davis Real Estate	BCWMC 2020-22	3,500.00	
LIVIT Site & Structure LLC	BCWMC 2020-21	500.00	
Reimbursed Construction Costs		11,044.50	
	Total Revenue and Transfers In	<hr/>	19,457.23
DEDUCT:			
Checks:			
3327 Barr Engineering	Aug services	34,964.35	
3328 Kennedy & Graven	July Legal	736.30	
3329 Keystone Waters LLC	Aug Administrator	4,197.79	
3330 Lawn Chair Gardener	Aug Admin Serv / Educ	1,136.25	
3331 Wenck Associates	Aug WOMP	1,173.30	
3332 Finance & Commerce	PH Notice	104.62	
3333 Metro Blooms	Lawns to Legumes	5,265.10	
3334 City of Crystal	Winnetka Pond Sediment Rev	3,500.00	
3335 ECM Publishers	PH Notice	523.60	
	Total Checks/Deductions	<hr/>	51,601.31
Outstanding from previous month:			
3320 Metro Conservation Districts	Sponsorship	350.00	
3321 Catherine Cesnik	Training Reimbursement	160.00	
ENDING BALANCE	9-Sep-2020	<hr/> <hr/>	650,049.57

Bassett Creek Watershed Commission
 General Fund (Administration) Financial Report
 Fiscal Year: February 1, 2020 through January 31, 2021
 MEETING DATE: September 17,2020

(UNAUDITED)

	2020/2021 BUDGET	CURRENT MONTH	YTD 2020/2021	BALANCE
OTHER GENERAL FUND REVENUE				
ASSESSMENTS TO CITIES	550,450	0.00	550,451.00	(1.00)
PROJECT REVIEW FEES	50,000	4,000.00	42,500.00	7,500.00
WOMP REIMBURSEMENT	5,000	4,500.00	4,500.00	500.00
TRANSFERS FROM LONG TERM FUND & CIP	42,000	0.00	0.00	42,000.00
CIP ADMINISTRATIVE CHARGE	30,000			
LONG TERM MAINT-FLOOD CONTROL PRC	12,000			
USE OF FUND BALANCE	15,000	0.00	0.00	15,000.00
METROPOLITAN COUNCIL - LRT		0.00	0.00	
THREE RIVERS PARK DISTRICT - CURLY LEAF POND		0.00	0.00	
CITY OF MINNEAPOLIS-BASSETT CREEK STUDY			53,571.89	
REVENUE TOTAL	662,450	8,500.00	651,022.89	64,999.00
EXPENDITURES				
ENGINEERING & MONITORING				
TECHNICAL SERVICES	130,000	9,862.00	88,157.64	41,842.36
DEV/PROJECT REVIEWS	75,000	7,173.00	69,079.75	5,920.25
NON-FEE/PRELIM REVIEWS	20,000	1,975.50	10,971.00	9,029.00
COMMISSION AND TAC MEETINGS	12,000	864.00	5,316.20	6,683.80
SURVEYS & STUDIES	10,000	0.00	0.00	10,000.00
WATER QUALITY/MONITORING	102,600	6,709.35	56,348.26	46,251.74
WATER QUANTITY	6,500	336.00	3,732.44	2,767.56
ANNUAL FLOOD CONTROL INSPECTIONS	12,000	500.00	14,900.00	(2,900.00)
REVIEW MUNICIPAL PLANS	2,000	0.00	1,260.00	740.00
WOMP	20,500	1,173.30	11,252.63	9,247.37
APM / AIS WORK	30,000	0.00	6,634.42	23,365.58
ENGINEERING & MONITORING TOTAL	420,600	28,593.15	267,652.34	152,947.66
PLANNING				
Next Generation Plan Development	18,000	0.00	0.00	18,000.00
MAINTENANCE FUNDS TOTAL	18,000	0.00	0.00	18,000.00
ADMINISTRATION				
ADMINISTRATOR	69,200	3,942.00	34,956.00	34,244.00
MN ASSOC WATERSHED DIST DUES	500	0.00	500.00	0.00
LEGAL COSTS	15,000	736.30	8,937.13	6,062.87
AUDIT, INSURANCE & BONDING	18,000	0.00	18,684.00	(684.00)
FINANCIAL MANAGEMENT	3,500	0.00	0.00	3,500.00
MEETING EXPENSES	1,500	0.00	223.50	1,276.50
ADMINISTRATIVE SERVICES	15,000	919.54	6,338.90	8,661.10
ADMINISTRATION TOTAL	122,700	5,597.84	69,639.53	53,060.47
OUTREACH & EDUCATION				
PUBLICATIONS/ANNUAL REPORT	1,300	0.00	1,000.00	300.00
WEBSITE	1,000	0.00	367.64	632.36
PUBLIC COMMUNICATIONS	1,000	628.22	1,112.59	(112.59)
EDUCATION AND PUBLIC OUTREACH	22,000	5,737.60	10,653.36	11,346.64
WATERSHED EDUCATION PARTNERSHIPS	15,850	0.00	9,850.00	6,000.00
OUTREACH & EDUCATION TOTAL	41,150	6,365.82	22,983.59	18,166.41
MAINTENANCE FUNDS				
EROSION/SEDIMENT (CHANNEL MAINT)	25,000	0.00	0.00	25,000.00
LONG TERM MAINTENANCE (moved to CF)	25,000	0.00	0.00	25,000.00
MAINTENANCE FUNDS TOTAL	50,000	0.00	0.00	50,000.00
TMDL WORK				
TMDL IMPLEMENTATION REPORTING	10,000	0.00	0.00	10,000.00
TMDL WORK TOTAL	10,000	0.00	0.00	10,000.00
TOTAL EXPENSES	662,450	40,556.81	360,275.46	302,174.54

BCWMC Construction Account
 Fiscal Year: February 1, 2020 through January 31, 2021
 September 2020 Financial Report

(UNAUDITED)

Cash Balance 08/11/2020			
Cash			
Transfer to purchase investments		(932,314.70)	
	Total Cash		(932,314.70)
Investments:			
Minnesota Municipal Money Market (4M Fund)		4,950,228.74	
Dividends-Current		137.77	
	Total Investments		4,950,366.51
	Total Cash & Investments		4,018,051.81
Add:			
Interest Revenue (Bank Charges)		(92.72)	
State of MN - Pollution Control Agency - Sweeney Lake (SL-8)		5,243.88	
	Total Revenue		5,151.16
Less:			
CIP Projects Levied - Current Expenses - TABLE A		(4,925.00)	
Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B		(2,889.50)	
	Total Current Expenses		(7,814.50)

Total Cash & Investments On Hand 9/9/2020 4,015,388.47

Total Cash & Investments On Hand	4,015,388.47
Current Anticipated Levy -2020 (July 20/Dec 20/Jan 21)	728,701.70
CIP Projects Levied - Budget Remaining - TABLE A	(4,496,790.65)
Secured Grant Funds (CIP Projects Levied)-Not yet received	710,060.00
2021 Expected Levy for 2020/2021 Projects	630,080.00

Closed Projects Remaining Balance	1,587,439.52
2015 - 2018 Anticipated Tax Levy Revenue - TABLE C	2,288.14
2019 Anticipated Tax Levy Revenue - TABLE C	4,953.76

Anticipated Closed Project Balance 1,594,681.42

Proposed & Future CIP Project Amount to be Levied - TABLE B 4,003,700.00

TABLE A - CIP PROJECTS LEVIED

	Approved Budget	Current Expenses	2020/21 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget	Grant Funds Received- included in Cash Balances	Secured Grant Funds	2021 Expected Levy for 2020/2021 Projects
Projects Completed-to be removed at year end								
Northwood Lake Pond (NL-1) - FINALLED	1,433,740							
Close Project - Use Closed Project Funds	13,403	1,447,143	0.00	1,447,143.38	0.00	700,000		
Plymouth Creek Restoration (2017 CR-P) - FINALLED	863,573	627,329	0.00	627,329.10	0.00	435,468		
Close Project - funds to Closed Project Fund	(236,244)							
Current Projects								
Four Seasons Mall Area Water Quality Proj (NL-2)	990,000	0.00	7,481.00	182,512.56	807,487.44			
2014								
Schaper Pond Enhance Feasibility/Project (SL-1)(SL-3)	612,000	0.00	3,146.00	431,508.45	180,491.55			
Twin Lake Alum Treatment Project (TW-2)	163,000	0.00	0.00	91,037.82	71,962.18			
2017								
Main Stem Cedar Lk Rd-Dupont (2017CR-M)	2017 Levy 400,000	1,064,472	0.00	132,029.25	932,442.75			
	2018 Levy 664,472						150,300	
2018								
Bassett Creek Park & Winnetka Ponds Dredging (BCP-2)	1,000,000							
Mar-19 Budget Adj	114,301							
Mar-19 From Channel Maint	9,050	3,500.00	3,500.00	1,066,648.32	56,702.68			
2019								
Decola Ponds B&C Improvement(BC-2,BC-3,BC-8)	1,031,500	0.00	787,615.09	894,212.65	137,287.35	34,287	34,287	
Westwood Lake Water Quality Improvement Project(Feasibility)	404,500	0.00	174,486.76	223,640.96	180,859.04			
2020								
Bryn Mawr Meadows (BC-5)	912,000	0.00	0.00	97,687.03	814,312.97	200,000	200,000	412,000
Jevne Park Stormwater Mgmt Feasibility (ML-21)	500,000	0.00	0.00	46,390.75	453,609.25			
Crane Lake Improvement Proj (CL-3)	380,000	0.00	0.00	12,000.85	367,999.15			
Sweeney Lake WQ Improvement Project (SL-8)	568,080	1,425.00	73,293.71	74,443.71	493,636.29	9,771	325,473	218,080
	9,823,375	4,925.00	1,049,522.56	5,326,584.83	4,496,790.65	244,058	710,060.00	630,080.00

TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED

	Approved Budget - To Be Levied	Current Expenses	2020/21 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
2021					
Main Stem Dredging Project (BC-7)	3,259,000	378.00	33,778.00	75,972.72	3,183,027.28
Mt Olivet Stream Restoration (ML-20)	178,100		14,410.50	35,993.92	142,106.08
Parkers Lake Stream Restoration (PL-7)	485,000		24,564.90	57,547.12	427,452.88
Purchase High Efficiency Street Sweeper (ML-23)	81,600		0.00	0.00	81,600.00
2021 Project Totals	4,003,700	378.00	72,753.40	169,513.76	3,834,186.24
2022					
DeCola Ponds/Wildwood Park/SEA School Flood Control (BC-2,3,8,10)	0	838.00	838.00	838.00	(838.00)
Medley Park Stormwater Treatment Feasibility (ML-12)	0	1,673.50	1,673.50	1,673.50	(1,673.50)
2022 Project Totals	0	2,511.50	2,511.50	2,511.50	(2,511.50)
Total Proposed & Future CIP Projects to be Levied	4,003,700	2,889.50	75,264.90	172,025.26	3,831,674.74

BCWMC Construction Account

Fiscal Year: February 1, 2020 through January 31, 2021

(UNAUDITED)

September 2020 Financial Report

TABLE C - TAX LEVY REVENUES

	County Levy	Abatements / Adjustments	Adjusted Levy	Current Received	Year to Date Received	Inception To Date Rec'd	Balance to be Collected	BCWMO Levy
2020 Tax Levy	1,500,000.00	1,537.81	1,501,537.81	0.00	772,836.11	772,836.11	728,701.70	1,500,000.00
2019 Tax Levy	1,436,000.00	(4,500.13)	1,431,499.87		1,498.40	1,426,546.11	4,953.76	1,436,000.00
2018 Tax Levy	1,346,815.00	(8,893.33)	1,337,921.67		(405.17)	1,335,359.23	2,562.44	947,115.00
2017 Tax Levy	1,303,600.00	(16,571.62)	1,287,028.38		150.38	1,287,861.38	(833.00)	1,303,600.00
2016 Tax Levy	1,222,000.00	(11,662.58)	1,210,337.42		74.86	1,210,145.57	191.85	1,222,000.00
2015 Tax Levy	1,000,000.00	(103.70)	999,896.30		172.94	999,529.45	366.85	1,000,000.00
				<u>0.00</u>			<u>735,943.60</u>	

OTHER PROJECTS:

	Approved Budget	Current Expenses / (Revenue)	2020/21 YTD Expenses / (Revenue)	INCEPTION To Date Expenses / (Revenue)	Remaining Budget
TMDL Studies					
TMDL Studies	135,000.00	0.00	0.00	107,765.15	27,234.85
TOTAL TMDL Studies	135,000.00	0.00	0.00	107,765.15	27,234.85
Flood Control Long-Term					
Flood Control Long-Term Maintenance	694,573.00	3,230.00	9,732.00	418,901.91	
Less: State of MN - DNR Grants		(3,231.50)	(3,231.50)	(145,078.40)	
	694,573.00	(1.50)	6,500.50	273,823.51	420,749.49
Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
Annual Water Quality					
Channel Maintenance Fund	415,950.00	0.00	11,453.70	267,073.30	148,876.70
Metro Blooms Harrison Neighborhood CWF Grant Project					
BWSR Grant	134,595.00	0.00	0.00	87,892.89	46,702.11
				(67,298.00)	(67,298.00)
	134,595.00	0.00	0.00	20,594.89	
Total Other Projects	1,880,118.00	(1.50)	17,954.20	601,958.85	1,076,265.15

DRAFT Contract Documents

Sweeney Lake Alum Treatment Phase I

Bassett Creek Watershed Management Commission

September 2020



*4300 MarketPointe Drive
Minneapolis, MN 55435-4803
Phone: (952) 832-2600
Fax: (952) 832-2601*

Division 0 – Bidding and Contract Documents

SECTION 00005 TABLE OF CONTENTS

<u>Division 0</u>	Bidding and Contract Documents
00005	Table of Contents
00010	Advertisement for Bids
00020	Instructions to Bidders
00025	Addenda Form
00030	Bid Form
00035	Prevailing Wages
00040	Form of Agreement
00050	Notice of Award
00060	Notice to Proceed
00070	Performance Bond
00080	Payment Bond
00090	Payment Request Form
00100	Contractors' and Subcontractors' Insurance
00110	General Conditions
00111	Supplementary General Conditions
00120	Change Order Form
<u>Division 1</u>	General Specifications
01000	Summary of Work
01010	Measurement and Payment
01015	Payment Procedures
01070	Project Meetings
01080	Submittals
01085	Safety
01095	Closeout Procedures
01100	Mobilization and Demobilization

Division 2

Technical Specifications

02400

Chemical Treatment

Divisions 3 through 16 – [NOT USED]

I hereby certify that these specifications were prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the Laws of the State of Minnesota.

Gregory J. Wilson, P.E.

Reg. No. 25782 Date 9/4/2020

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SECTION 00010
ADVERTISEMENT FOR BIDS

September 3, 2020

Sweeney Lake Alum Treatment Phase I

Owner: Bassett Creek Watershed Management Commission
Class of Work: Chemical Treatment
Project Location: Hennepin County, Minnesota
Pre-Bid Meeting: N/A
Bids Close At: 10:00 AM, Monday, October 5th, 2020

1.1 NOTICE TO CONTRACTORS

Bid Proposals for the furnishing of all labor, materials and all other items necessary to complete the work described herewith, will be received by the Bassett Creek Watershed Management Commission ENGINEER until 10:00 AM, October 5, 2020. In response to Governor Tim Walz' Emergency Executive Order 20-20 directing Minnesotans to stay at home, as well as CDC best practices related to COVID-19, ENGINEER's offices will not be open on the day of bid opening. As a result, all bids should be emailed to the ENGINEER, Attn: *Greg Wilson*, gwilson@barr.com.

Bids will be opened and read aloud from an online platform at 10:00 AM, October 5, 2020. Bidders or their authorized agents are invited to participate through ENGINEER's online WebEx platform. Instructions for accessing WebEx will automatically be sent to email account(s) of all bidders. Please send email to ENGINEER requesting WebEx instructions, along with email addresses of others that would like to participate in the bid opening.

The work, in accordance with drawings and specifications prepared by Barr Engineering Company consists of the following major items of work:

Chemical Treatment

Complete digital project documents are available at www.questcdn.com. You may download the digital plan documents for twenty dollars (\$20.00) by inputting Quest Project # _____ on the website's Project Search page. Please contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance in free membership registration, downloading, and working with this digital project information. An optional paper set of project documents may also be examined and/or obtained at the office of the Engineer. Potential bidders may obtain the documents for a nonrefundable price of one hundred dollars (\$100.00) per set. Please make your check payable to Barr Engineering Co. and send it to 4300 MarketPointe Drive, Suite 200, Bloomington, Minnesota 55435. Please contact us at Phone: 952-832-2600; or Fax: 952-832-2601 if you have any questions. Partial sets of documents will not be issued. All communications relative to this project should be addressed to the ENGINEER Attn: *Greg Wilson*, gwilson@barr.com; 952-832-2672 prior to opening of the Bid.

Bid Proposals shall be submitted on forms furnished for that purpose.

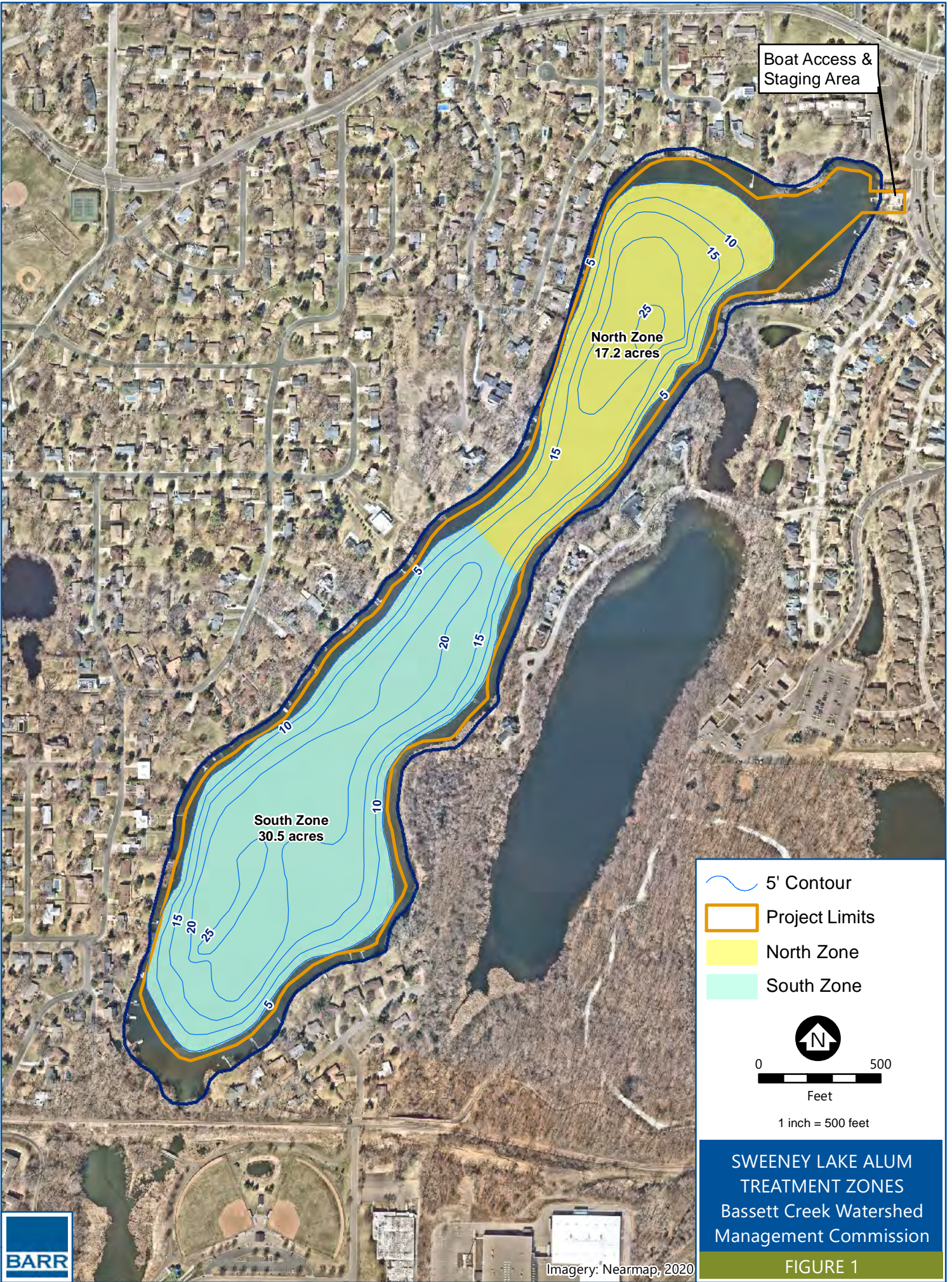
Each bid proposal shall be accompanied by a "Bid Security" in the form of a certified or cashier's check made payable to Bassett Creek Watershed Management Commission ("OWNER") in an amount not less than five percent (5%) of the total bid, or a surety bond in the same amount, running to the OWNER, with a surety company duly authorized to do business in the state of Minnesota, such Bid Security to be a guarantee that the bidder, if awarded a contract, will enter into a contract with Bassett Creek Watershed Management Commission; and the amount of the certified check will be retained or the bond enforced by the OWNER in case the bidder fails to do so. The OWNER will retain the deposits for the three lowest bidders until the contract has been awarded and executed but not longer than sixty (60) days. No bid may be withdrawn for a period of thirty (30) days following the bid opening.

No PRE-BID meeting will be held for this project.

The bid of the lowest responsible bidder is intended to be accepted on or before the expiration of sixty (60) days after the date of the opening of bids. The OWNER, however, reserves the right to reject any or all bids and to wave any minor irregularities, informalities or discrepancies, and further reserves the right to award the contract in the best interest of Bassett Creek Watershed Management Commission.

****END OF SECTION****

DRAFT

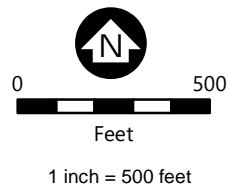


Boat Access & Staging Area

North Zone
17.2 acres

South Zone
30.5 acres

- 5' Contour
- Project Limits
- North Zone
- South Zone



SWEENEY LAKE ALUM
TREATMENT ZONES
Bassett Creek Watershed
Management Commission

FIGURE 1



BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

NOTICE OF PUBLIC HEARING

Proposed Improvements Contained in the

Bassett Creek Watershed Management Commission's 2015 Watershed Management Plan

NOTICE IS HEREBY GIVEN that the Bassett Creek Watershed Management Commission (BCWMC) will hold a public hearing during its regular meeting on

Thursday, September 17, 2020 at 8:30 a.m.

Online Via WebEx

Interested persons are invited to attend. The purpose of the hearing is to hear testimony and comments from the public and cities regarding four capital improvements proposed to begin in 2021.

1. **Mt. Olivet Stream Restoration Project:** This project in the city of Plymouth will stabilize eroding stream banks along a reach from Old Rockford Road and continuing downstream (south) 1,300 feet. The Mt. Olivet drainage area flows into Medicine Lake and will improve water quality and habitat by reducing total phosphorus by approximately 5.3 lbs/year and restoring 0.15 acres of wetlands. The project has a total estimated cost of \$178,100. Funding is proposed to come from the BCWMC's Capital Improvement Program funds through a 2021 ad valorem property tax collected by Hennepin County on property within the Bassett Creek Watershed. Learn more at: www.bassettcreekwmo.org/projects/all-projects/mt-olivet-stream-restoration-project
2. **Parkers Lake Drainage Improvement and Chloride Reduction Project:** This project in the City of Plymouth will stabilize slopes along an intermittent stream beginning at 18th Avenue North and continuing downstream 1,100 feet. Stabilizing banks will reduce sediment and nutrients reaching Parkers Lake and will improve habitat along the drainage way. Expected pollutant reduction to the lake is 20.1 pounds/year of total phosphorus.

Because Parkers Lake is impaired for chlorides, this project also includes approximately \$300,000 for chloride management and reduction practices or programs in the area draining from the north. Water monitoring indicates that this area contributes a high amount of chloride pollution to the lake. Landuse in this area consists of multi-family residential, commercial and industrial with large areas of impervious surfaces. Chloride reduction measures may include upgrading plowing and deicing equipment, installing automated pavement anti-icing systems or snowmelt systems below high use walks/drives, conversion of impervious surfaces to permeable surfaces, and education and training.

This project has a total estimated cost of \$485,000. Funding is proposed to come from the BCWMC's Capital Improvement Program funds through a 2021 ad valorem property tax collected by Hennepin County on property within the Bassett Creek Watershed. Learn more at: www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project

3. **Cost Share Purchase of High Efficiency Street:** The BCWMC will provide approximately 25% of the purchase price for a high-efficiency regenerative air street sweeper for the city of Plymouth to improve street sweeping effectiveness and reduce pollutant loading to waterbodies including Plymouth Creek and Medicine Lake. Street sweeping is one of the most cost-effective best management practices for

improving water quality and reducing pollutant loading to streams and lakes. This sweeper is also expected to be used during winter thaws to remove salt from streets and reduce chloride pollution to waterbodies. This project has a total estimated cost of \$81,600. Funding is proposed to come from the BCWMC's Capital Improvement Program funds through a 2021 ad valorem property tax collected by Hennepin County on property within the Bassett Creek Watershed.

4. **Dredging Accumulated Sediment in Main Stem Bassett Creek:** This project will remove almost 40,000 cubic yards of accumulated sediment from three of seven "lagoons" created along the Main Stem of Bassett Creek in Theodore Wirth Regional Park, between Golden Valley Road and Highway 55. These lagoons were originally created in the mid-1930s by Civilian Conservation Corps crews. The project will improve flow capacity, floodplain storage, and habitat, and will result in significant water quality improvements by removing 600 lbs/year total phosphorus and 156,000 lbs/year total suspended solids which currently flow downstream through the Bassett Creek Valley and into the Mississippi River.

The high project cost is due to the landfill disposal of contaminated sediment. Despite the high cost, the project results in a very low cost per pound pollutant removal of only \$270/pound of total phosphorus.

Total project costs are estimated at \$3,259,000. Of this, at least \$1,200,000 would be paid from BCWMC Closed Project Account funds. Grant funds will also be sought from a variety of sources. Levy costs are proposed to be spread over four years. Proposed 2021 levy amount is \$100,000. Levy amounts in tax years 2022 – 2024 may total \$1,959,000. Learn more at: www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 20-06

A RESOLUTION ORDERING THE 2021 IMPROVEMENTS,
DESIGNATING ENTITIES RESPONSIBLE FOR CONSTRUCTION,
MAKING FINDINGS PURSUANT TO MINNESOTA STATUTES, SECTION
103B.251, CERTIFYING COSTS TO HENNEPIN COUNTY, AND APPROVING
AGREEMENTS FOR CONSTRUCTION OF THE IMPROVEMENTS

WHEREAS, on September 17, 2015, the Bassett Creek Watershed Management Commission (“Commission”) adopted the *Bassett Creek Watershed Management Commission, Water Management Plan, September 2015* (the “Plan”);

WHEREAS, the Plan, as amended since its adoption, includes a capital improvement program (“CIP”) listing capital projects in Table 5-3 of the Plan;

WHEREAS, the CIP includes the following capital projects for the year 2021 (collectively, the “2021 Projects”):

- a) Mt. Olivet Stream Restoration Project (ML-20)
- b) Parkers Lake Drainage Improvement Project (PL-7)
- c) Cost Share Purchase of High Efficiency Street Sweeper (ML-23)
- d) Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project (BC-7); and

WHEREAS, the Plan specifies a county tax levy under Minnesota Statutes, section 103B.251 as the source of funding for the 2021 Projects; and

WHEREAS, on September 17, 2020, following published and mailed notice in accordance with the Commission’s Joint Power Agreement and Minnesota Statutes, section 103B.251, the Commission conducted a public hearing on the 2021 Projects; and

WHEREAS, the 2021 Projects will be conducive to the public health, promote the general welfare and is in compliance with Minnesota Statutes, sections 103B.205 to 103B.255 (the “Act”) and with the Plan as adopted and amended in accordance with the Act.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Commissioners of the Bassett Creek Watershed Management Commission as follows:

1. The 2021 Projects are hereby ordered.
2. The estimated cost of the Mt. Olivet Stream Restoration is One Hundred Seventy-Eight Thousand One Hundred Dollars (\$178,100) which will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2020 for collection in 2021.
3. The estimated cost of the Parkers Lake Drainage Improvement Project is Four Hundred Eighty-Five Thousand Dollars (\$485,000) which will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2020 for collection in 2021.

4. The estimated cost of the Cost Share Purchase of High Efficiency Street Sweeper is Eighty-One Thousand Six Hundred Dollars (\$81,600) which will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2020 for collection in 2021.
5. The estimated cost of the Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project is Three Million Two Hundred Fifty-Nine Thousand Dollars (\$3,259,000). Of this amount, One Hundred Thousand Dollars (\$100,000) will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2020 for collection in 2021. Additional funds of up to One Million Two Hundred Thousand Dollars (\$1,200,000) will be paid from Commission Closed Project Account funds and up to One Million Nine Hundred Fifty-Nine Thousand Dollars (\$1,959,000) will be received from a county tax levy pursuant to Minnesota Statutes, section 103B.251, levied in years 2021 – 2023 for collection in 2022 – 2024.
6. The cost of the Bryn Mawr Meadows Water Quality Improvement Project (BC-5) was partially paid from a county tax levy collected in 2020 totaling One Hundred Thousand Dollars (\$100,000). Another Four Hundred Thousand Dollars (\$400,00) will come from a state grant. The remaining estimated cost of the project is Four Hundred Twelve Thousand Dollars (\$412,000) to be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2020 for collection in 2021.
7. The cost of the Sweeney Lake Water Quality Improvement Project (SL-8) was partially paid from a county tax levy collected in 2020 totaling Twenty Thousand Dollars (\$20,000). Another Three Hundred Thirty Thousand Dollars (\$330,000) will come from a federal grant. The remaining cost of the project is Two Hundred Eighteen Thousand and Eighty Dollars (\$218,080) to be paid from funds received from a county tax levy pursuant to Minnesota Statutes, section 103B.251 levied in 2020 for collection in 2021.
8. The total amount certified to Hennepin County for the 2021 Projects is One Million Four Hundred Seventy-Four Thousand Seven Hundred Eighty Dollars (\$1,474,780) for payment by the County in accordance with Minnesota Statutes, section 103B.251, subdivision 6.
9. The Commission has received, accepted, and approved all feasibility reports prepared for the 2021 Projects.
10. The costs of the 2021 Projects will be paid by the Commission up to the amount specified in paragraphs 2 - 6 above from proceeds received from Hennepin County pursuant to Minnesota Statutes, section 103B.251 and grant funding, if awarded. Additional costs may be paid by the city constructing the particular project, but no costs will be charged to other members of the Commission.
11. The City of Plymouth is designated as the member responsible for contracting for the construction of the Mt. Olivet Stream Restoration Project, and the engineer designated for preparation of plans and specifications is the Plymouth City Engineer, or other engineers selected and retained by the City of Plymouth. Contracts for construction shall be let in accordance with the requirements of law applicable to the City of Plymouth. The Cooperative Agreement with the City of Plymouth for the construction of the Mt. Olivet Stream Restoration Project is approved, and the Chair and Secretary are authorized to execute the agreement on behalf of the Commission.
12. The City of Plymouth is designated as the member responsible for contracting for the construction of the drainage improvement components and other implementation related to the Parkers Lake Drainage

Improvement Project, and the engineer designated for preparation of plans and specifications is the Plymouth City Engineer, or other engineers selected and retained by the City of Plymouth. Contracts for the project shall be let in accordance with the requirements of law applicable to the City of Plymouth. The Cooperative Agreement with the City of Plymouth for the Parkers Lake Drainage Improvement Project is approved, and the Chair and Secretary are authorized to execute the agreement on behalf of the Commission.

13. The City of Plymouth is designated as the member responsible for implementing the Cost Share Purchase of High Efficiency Street Sweeper Project. The Cooperative Agreement with the City of Plymouth for the implementation of the Cost Share Purchase of High Efficiency Street Sweeper Project is approved, and the Chair and Secretary are authorized to execute the agreement on behalf of the Commission

14. The Commission is the entity responsible for contracting for the construction of the Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project. Contracts for construction shall be let in accordance with the requirements of law applicable to the Commission.

Adopted by the Board of Commission of the Bassett Creek Watershed Management Commission the 17th day of September, 2020.

Chair

ATTEST: _____
Secretary



Bassett Creek Watershed Management

MEMO

To: BCWMC Commissioners
From: Laura Jester, Administrator
Date: September 10, 2020

RE: Item 6Aiii Certifying Costs to Hennepin County:

Recommendation: Direct staff to certify for payment by Hennepin County in 2021 a total tax levy of \$1,474,780 as laid out in Resolution 20-06 and in the table on the following page.

Background

At their meeting in June 2020, the Commission set a maximum 2021 levy of \$1,774,780 for the projects below. At their meeting in July 2020, the Commission agreed to lower the maximum levy request to \$1,474,780. The Commission should certify this amount County for the final 2021 levy.

- 2021 portion of the Bryn Mawr Meadows Water Quality Improvement Project (BC-5) (project split between 2020 and 2021 levies and includes grant funding)
- 2021 portion of the Sweeney Lake Water Quality Improvement Project (SL-8) (project split between 2020 and 2021 levies and includes grant funding)
- 2021 portion of the Dredging Accumulated Sediment in Main Stem Bassett Creek, Theodore Wirth Regional Park Project (BC-7) (project split among four levy years and slated to use Closed Project Account funding)
- The total project cost of the Mt. Olivet Stream Restoration Project (ML-20)
- The total project cost of the Parkers Lake Drainage Improvement Project (PL-7)
- The total project cost of the Cost Share Purchase of High Efficiency Street Sweeper (ML-23)

Project Costs	Mt. Olivet Stream Restoration Project (Alt 1)	Parkers Lake Drainage Improvement Project (Alternatives 3 and 6)	Cost share purchase of high efficiency street sweeper	Dredging of accumulated sediment in Main Stem Bassett Creek just north of Hwy 55, Wirth Park (Alternative 2, Option 1)
Feasibility Study	\$35,600	\$57,500	\$0	\$74,000
Design & Construction	\$134,000	\$413,000	\$75,000	\$3,145,000
Project Design Reviews	\$5,000	\$5,000	\$5,000	\$0
Administrative Funds (2% levy)	\$3,500	\$9,500	\$1,600	\$40,000
Total	\$178,100	\$485,000	\$81,600	\$3,259,000
Levy Future Years	\$0	\$0	\$0	- \$2,659,000
TOTAL Project Cost	\$178,100	\$485,000	\$81,600	\$600,000
TOTAL all projects				\$1,344,700
Sweeney Lake and Bryn Mawr 2021 Costs (levy funding for these projects were split over 2020 and 2021)				+ \$630,080
Use of Closed Project Funds				- \$500,000
TOTAL 2021 Max Levy				\$1,474,780

COOPERATIVE AGREEMENT
(Mt. Olivet Stream Restoration Project, ML-20)

This Cooperative Agreement (“**Agreement**”) is made as of this ____ day of _____, 2020 by and between the Bassett Creek Watershed Management Commission, a joint powers watershed management organization (“**Commission**”), and the City of Plymouth, a Minnesota municipal corporation (“**City**”). The Commission and the City may hereinafter be referred to individually as a “party” or collectively as the “parties.”

RECITALS

- A. The Commission adopted the Bassett Creek Watershed Management Commission Watershed Management Plan on September 17, 2015 (“**Plan**”), a watershed management plan within the meaning of Minnesota Statutes, section 103B.231.
- B. The Plan includes a capital improvement program (CIP) that lists a number of capital improvements including the Mt. Olivet Stream Restoration Project ML-20 (“**Project**”).
- C. The Project is in the City of Plymouth and will be designed and constructed as described in the feasibility report for the Project prepared by Barr Engineering Co. entitled Feasibility Report for the Mount Olivet Stream Stabilization and Parkers Lake Drainage Improvement Projects, dated June 2020 (“**Feasibility Report**”), which is attached hereto as Exhibit A. The Project will consist of the work identified as Alternative 1 – Mount Olivet Stream Stabilization in the Feasibility Report.
- D. The estimated total cost of the Project, including the Feasibility Study, administration, design, and construction is \$178,100.
- E. On September 17, 2020, the Commission adopted a resolution ordering the Project and directing that it be constructed by the City.
- F. In accordance with the Plan, the Project costs were certified to Hennepin County, which will levy taxes throughout the watershed for Project costs in 2020 for collection and settlement in 2021 pursuant to Minnesota Statutes, section 103B.251.
- G. The City is willing to construct the Project in accordance with the terms and conditions hereinafter set forth.

AGREEMENT

In consideration of the mutual covenants and agreements hereinafter set forth, and intending to be legally bound, the parties hereby agree as follows:

1. Project. The Project will consist of the work identified as Alternative 1 – Mount Olivet Stream Stabilization in the Feasibility Report, plus appendices, which includes installing cross vanes to limit erosion of the channel bed and create flow diversity, grading and placing coir blankets with live stakes to improve stream bank stability and decrease erosion, restoring approximately 0.15 acres of the existing wetland, removing and replanting trees, as needed, installing a manhole drop structure to prevent further slope erosion from the Mt. Olivet Lutheran Church parking lot, and removing large debris from the stream channel.
2. Design and Plans. The City will design the Project and prepare plans and specifications for construction of the Project. The 50% and 90% plans and specifications shall be submitted to the Commission for approval in accordance with the Commission’s CIP project review process. Any changes to the Commission-approved 90% plans and specification must be submitted to the Commission and shall require written approval of the Commission’s engineer following a reasonable review period, which shall be no less than 10 business days. Minor change orders may be approved by the City without requiring additional approvals by the Commission. For purposes of this paragraph, “minor change orders” shall mean those changes to the approved plans that do not materially change either the effectiveness of the Project to meet its intended purposes, the aesthetics, form, or function of the Project, or the environmental impacts of the Project.
3. Contract Administration. The City will advertise for bids and award contracts in accordance with the requirements of applicable law. The City will award the contract and supervise and administer the construction of the Project to ensure that it is completed in accordance with the approved plans and specifications. The contract may only be let to a responsible contractor in accordance with Minnesota Statutes, section 16C.285 and the City will require the contractor to provide all payment and performance bonds required by law. The City will further require the contractor to name the Commission as additional insured on all liability policies required by the City and the Commission shall be given the same notification of cancellation or non-renewal as is given to the City. The City will require the contractor to defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from negligent acts, errors or omissions of the contractor. The City will supervise the work of the contractor. However, the Commission may observe and review the work of the Project until it is completed. The City will display a sign at the construction site stating “Paid for by the Taxpayers of the Bassett Creek Watershed.”
4. Contract Payments. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. Commission Reimbursement. The Commission will use its best efforts to secure payment from the County in accordance with Minnesota Statutes, section 103B.251 in the amount of One Hundred Seventy-Eight Thousand One Hundred Dollars (\$178,100) by tax levy in 2020 for collection in 2021. The total reimbursement paid by the Commission to the City for the Project will not exceed One Hundred Seventy-Eight Thousand One Hundred Dollars (\$178,100), less Commission expenses. Out-of-pocket costs incurred and paid by the Commission related to the Project including, but not limited to, feasibility studies, publication of notices, securing County tax levy, preparation of contracts, review of engineering designs, review of proposed contract documents, grant application development, grant administration, administration of this contract,

and up to a 2.5% administrative charge, not to exceed actual expenses, shall be repaid from the amount specified above from funds received in the tax settlement from Hennepin County. All such levied funds in excess of such expenses, to the extent such funds are actually received, shall be available for reimbursement to the City for costs incurred by the City in the design and construction of the Project. Reimbursement to the City will be made as soon as funds are available, provided a request for payment has been received from the City that contains such detailed information as may be requested by the Commission to substantiate costs and expenses. The City shall complete and submit with its final reimbursement request to the Commission a final report on the Project using the Commission's final reporting form and providing such other information as may be requested by the Commission.

6. Limits on Reimbursement. Reimbursement to the City will not exceed the amount specified above from the amount received from the County for the Project, less any amounts retained by the Commission for Commission expenses. Reimbursement will not be increased by other grants or revenues received by the Commission for the Project. Reimbursement will not exceed the costs and expenses incurred by the City for the Project, less any amounts the City receives for the Project as grants from other sources. All costs of the Project incurred by the City in excess of such reimbursement, shall be borne by the City or secured by the City from other sources.
7. Audit. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission and either the State Auditor or the Legislative Auditor for at least six years after completion of the Project.
8. Environmental Review. The City will perform all necessary investigations of site contamination and secure all necessary local, state, or federal permits required for the construction of the Project and will not proceed with the Project until any required environmental review and remediation of site contamination is completed or a plan for remediation is approved by appropriate regulatory agencies.
9. Ongoing Maintenance. Upon completion of the Project, the City shall be responsible for its ongoing maintenance. The City agrees to perform, at its cost, such maintenance as may be required to sustain the proper functioning of the improvements constructed as part of the Project for their useful life.
10. Data Practices. The City shall retain and make available data related to the letting of contracts and construction of the Project in accordance with the Minnesota Government Data Practices Act.
11. Term. This Agreement shall be in effect as of the date first written above and shall terminate once the Project is completed and the Commission has completed its reimbursement payments to the City as provided herein. The ongoing maintenance obligations contained in section 9 shall survive termination.
12. Entire Agreement. The above recitals and the exhibits attached hereto are incorporated in and made part of this Agreement. This Agreement contains the entire understanding between the parties regarding this matter and no amendments or other modifications of its terms are valid unless reduced to writing and signed by both parties.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Its Chair

And by: _____
Its Secretary

Date: _____

CITY OF PLYMOUTH

By: _____
Its Mayor

And by: _____
Its City Manager

Date: _____

EXHIBIT A
Feasibility Report

[attached hereto]

COOPERATIVE AGREEMENT

(Parkers Lake Drainage Improvement and Chloride Reduction Project, PL-7)

This Cooperative Agreement (“**Agreement**”) is made as of this ____ day of _____, 2020 by and between the Bassett Creek Watershed Management Commission, a joint powers watershed management organization (“**Commission**”), and the City of Plymouth, a Minnesota municipal corporation (“**City**”). The Commission and the City may hereinafter be referred to individually as a “party” or collectively as the “parties.”

RECITALS

- A. The Commission adopted the Bassett Creek Watershed Management Commission Watershed Management Plan on September 17, 2015 (“**Plan**”), a watershed management plan within the meaning of Minnesota Statutes, section 103B.231.
- B. The Plan includes a capital improvement program (CIP) that lists a number of capital improvements including the Parkers Lake Drainage Improvement Project PL-7 (“**Project**”).
- C. The Project is in the City of Plymouth and will be designed and constructed as described in the feasibility report for the Project prepared by Barr Engineering Co., entitled Feasibility Report for the Mount Olivet Stream Stabilization and Parkers Lake Drainage Improvement Projects, dated June 2020 (“**Feasibility Report**”), which is attached hereto as Exhibit A.
- D. There are two components to this Project. First, the Project will consist of the work identified as Alternative 3 – Parkers Lake Stream Stabilization (“**Alternative 3**”) in the Feasibility Report, which generally consists of stream stabilization utilizing bio-engineering techniques. The second project component will consist of the work identified as Alternative 6 – Water Quality Management (Chloride Management) (“**Alternative 6**”) in the Feasibility Report, which will consist of certain chloride demonstration projects in the northern watershed tributary to Parkers Lake to reduce salt usage and chloride loads to the lake.
- E. The total estimated Project cost is \$485,000. The estimated total cost of Alternative 3, including the Feasibility Study, administration, design, and construction is \$185,000. The estimated total cost of Alternative 6 is \$300,000.
- F. On September 17, 2020, the Commission adopted a resolution ordering the Project and directing that it be constructed and implemented by the City.
- G. In accordance with the Plan, the Project costs were certified to Hennepin County, which will levy taxes throughout the watershed for Project costs in 2020 for collection and settlement in 2021 pursuant to Minnesota Statutes, section 103B.251.
- H. The City is willing to construct and implement the Project in accordance with the terms and conditions hereinafter set forth.

AGREEMENT

In consideration of the mutual covenants and agreements hereinafter set forth, and intending to be legally bound, the parties hereby agree as follows:

1. Project. The two-component Project will consist of the work identified as Alternative 3 – Parkers Lake Stream Stabilization in the Feasibility Report, plus appendices, which includes installing cross vanes to limit erosion of the channel bed and create flow diversity, grading and placing coir blankets with live stakes to improve stream bank stability and decrease erosion, installing riprap revetment in certain locations where needed, installing a rock riffle at the downstream outlet, removing and replanting trees, as needed. The Project will also consist of the work identified as Alternative 6 – Water Quality Management (Chloride Management) in the Feasibility Report, plus appendices, which includes the implementation of various chloride-reduction demonstration project(s) within the Parkers Lake northern tributary watershed that will include working with willing property owners to reduce their chloride usage through activities such as equipment upgrades or purchases, installation of anti-icing systems or snowmelt systems, conversion of hard surfaces to permeable surfaces, and/or education of residents, employees, and property managers/owners.

2. Design and Plans for Alternative 3. The City will design the Project and prepare plans and specifications for construction of the Project. The 50% and 90% plans and specifications shall be submitted to the Commission for approval in accordance with the Commission’s CIP project review process. Any changes to the Commission-approved 90% plans and specifications must be submitted to the Commission and shall require written approval of the Commission’s engineer following a reasonable review period, which shall be no less than 10 business days. Minor change orders may be approved by the City without requiring additional approvals by the Commission. For purposes of this paragraph, “minor change orders” shall mean those changes to the approved plans that do not materially change either the effectiveness of the Project to meet its intended purposes, the aesthetics, form, or function of the Project, or the environmental impacts of the Project.

3. Implementation of Alternative 6. The chloride reduction initiatives that make up Alternative 6 have not yet been finalized because there are Project variables that are indeterminable until outreach begins with property owners within the Parkers Lake northern tributary watershed. The components to be contained within Alternative 6 will depend on certain factors, including site characteristics and landowner interest, and those components are expected to include a variation of the numerous efforts specified in the Feasibility Report. Following the execution of this Agreement by the parties, City staff will coordinate with the Commission Administrator to develop priorities and assign responsibilities among Project partners for landowner outreach and Project implementation in order to determine a list of viable, impactful chloride reduction measures that will collectively make up Alternative 6. Once that list is finalized collectively by both parties, the chloride reduction measures contained therein will be implemented by the City. City staff shall keep the Commission Administrator regularly informed regarding all progress in implementing Alternative 6, including, but not necessarily limited to, scheduling, planning, and

results. Any modifications or revisions regarding the components and priorities of Alternative 6 once those components are finalized collectively by the parties will require subsequent review and approval by the Commission's engineer following a reasonable review period, which shall be no less than 10 business days.

4. Contract Administration. For the implementation of Alternative 3 and any applicable components of Alternative 6, the City will advertise for bids and award contracts in accordance with the requirements of applicable law. The City will award such contracts and supervise and administer the construction of the Project to ensure that it is completed in accordance with the approved plans and specifications. The contracts may only be let to a responsible contractor in accordance with Minnesota Statutes, section 16C.285 and the City will require the contractors to provide all payment and performance bonds required by law. The City will further require the contractors to name the Commission as additional insured on all liability policies required by the City and the Commission shall be given the same notification of cancellation or non-renewal as is given to the City. The City will require the contractors to defend, indemnify, protect and hold harmless the Commission and the City, their agents, officers, and employees, from all claims or actions arising from negligent acts, errors or omissions of the contractor. The City will supervise the work of the contractors. However, the Commission may observe and review the work of the Project until it is completed. The City will display a sign at Project construction sites stating "Paid for by the Taxpayers of the Bassett Creek Watershed."
5. Contract Payments. The City will pay all contractors and all other expenses related to the construction and implementation of the Project and keep and maintain complete records of such costs incurred.
6. Commission Reimbursement. The Commission will use its best efforts to secure payment from the County in accordance with Minnesota Statutes, section 103B.251 for the Project in the amount of Four Hundred Eighty-Five Thousand Dollars (\$485,000) by tax levy in 2020 for collection in 2021. The total reimbursement paid by the Commission to the City for the Project will not exceed Four Hundred Eighty-Five Thousand Dollars (\$485,000), less any Commission expenses related to the Project. Approximately \$185,000 of the total Project costs is expected to be spent on the construction of Alternative 3, and approximately \$300,000 is expected to be spent on the implementation of Alternative 6. Out-of-pocket costs incurred and paid for by the Commission related to the Project including, but not limited to, feasibility studies, publication of notices, securing County tax levy, preparation of contracts, review of engineering designs, review of proposed contract documents, grant application development, grant administration, administration of this contract, and up to a 2.5% administrative charge, not to exceed actual expenses, shall be repaid from the amount specified above from funds received in the tax settlement from Hennepin County. It is also expressly acknowledged and understood by the parties that certain elements of Alternative 6 beyond what might otherwise be considered out-of-pocket costs, as defined above, may be paid for directly by the Commission, and any such costs incurred directly by the Commission shall reduce the total reimbursement available to the City for the Project. The preceding sentence shall in no way be interpreted to require the Commission to directly implement or contract for any components of Alternative 6, but rather is intended to indicate that possibility, if determined convenient for Project implementation in the Commission's sole discretion.

All funds levied for the Project in excess of the Commission's Project expenses, to the extent such funds are actually received, shall be available for reimbursement to the City for costs incurred by the City in the design, construction, and implementation of the Project. Reimbursement to the City will be made as soon as funds are available, provided a request for payment has been received from the City that contains such detailed information as may be requested by the Commission to substantiate costs and expenses. The City shall complete and submit with its final reimbursement request to the Commission a final report on the Project using the Commission's final reporting form and providing such other information as may be requested by the Commission.

The parties anticipate that both components of the Project will be completed on or before December 31, 2023 and, therefore, all reimbursement requests from the City shall be made on or before that date, unless the parties otherwise agree to a written extension.

7. Limits on Reimbursement. Reimbursement to the City will not exceed the amount specified in section 6 above from the amount received from the County for the Project, less any amounts retained by the Commission for Commission incurred Project expenses. Reimbursement will not be increased by other grants or revenues received by the Commission for the Project. Reimbursement will not exceed the costs and expenses incurred by the City for the Project, less any amounts the City receives for the Project as grants from other sources. All costs of the Project incurred by the City in excess of such reimbursement, shall be borne by the City or secured by the City from other sources.
8. Audit. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission and either the State Auditor or the Legislative Auditor for at least six years after completion of the Project.
9. Environmental Review. The City will perform all necessary investigations of site contamination and secure all necessary local, state, or federal permits required for the construction of the Project and will not proceed with the Project until any required environmental review and remediation of site contamination is completed or a plan for remediation is approved by appropriate regulatory agencies.
10. Ongoing Maintenance. Upon completion Alternative 3 of the Project, the City shall be responsible for its ongoing maintenance. The City agrees to perform, at its cost, such maintenance as may be required to sustain the proper functioning of the improvements constructed as part of the Project for their useful life. Any ongoing maintenance that is necessary for any structural components or equipment installed to implement Alternative 6 shall be planned and documented through agreements or contracts with private landowners, as appropriate, and to the satisfaction of the Commission.
11. Data Practices. The City shall retain and make available data related to the letting of contracts and construction of the Project in accordance with the Minnesota Government Data Practices Act.
12. Term. This Agreement shall be in effect as of the date first written above and shall terminate once the Project is completed and the Commission has completed its reimbursement payments to the

City as provided herein. The ongoing maintenance obligations contained in section 10 shall survive termination.

13. Entire Agreement. The above recitals and the exhibits attached hereto are incorporated in and made part of this Agreement. This Agreement contains the entire understanding between the parties regarding this matter and no amendments or other modifications of its terms are valid unless reduced to writing and signed by both parties.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Its Chair

And by: _____
Its Secretary

Date: _____

CITY OF PLYMOUTH

By: _____
Its Mayor

And by: _____
Its City Manager

Date: _____

EXHIBIT A
Feasibility Report

[attached hereto]

COOPERATIVE AGREEMENT

(Cost Share Purchase of High Efficiency Street Sweeper ML-23)

This Cooperative Agreement (“**Agreement**”) is made as of this ____ day of _____, 2020 by and between the Bassett Creek Watershed Management Commission, a joint powers watershed management organization (“**Commission**”), and the City of Plymouth, a Minnesota municipal corporation (“**City**”). The Commission and the City may hereinafter be referred to individually as a “party” or collectively as the “parties.”

RECITALS

- A. The Commission adopted the Bassett Creek Watershed Management Commission Watershed Management Plan on September 17, 2015 (“**Plan**”), a watershed management plan within the meaning of Minnesota Statutes, section 103B.231.
- B. The Plan includes a capital improvement program (“**CIP**”) that lists a number of water quality project capital improvements.
- C. The Commission adopted an amendment to the Plan on August 20, 2020 to include in its CIP the Cost Share Purchase of High Efficiency Street Sweeper (“**Sweeper**”) for use within the Bassett Creek Watershed (“**Project**”).
- D. The Project includes sharing the cost of the purchase of the Sweeper for use by and in the City. The Project, including the cost sharing structure outlined herein, is consistent with the BCWMC’s “Policy on Use of CIP Funds for City Equipment Purchase” (“**Policy**”), which was approved by the Commission on April 16, 2020.
- E. The City shall use the Sweeper in subwatersheds of certain waterbodies and will collect data and document the effectiveness of the equipment at reducing pollutant loads, as provided in Exhibit A attached hereto and as required under the Policy.
- F. The estimated total cost of the Project to the Commission, including cost share pursuant to Policy guidelines, administration, and technical review is \$81,600.
- G. On September 17, 2020, the Commission adopted a resolution ordering the Project and directing that it be implemented by the City.
- H. In accordance with the Plan, Project costs were certified to Hennepin County, which will levy taxes throughout the watershed for Project costs in 2020 for collection and settlement in 2021 pursuant to Minnesota Statutes, section 103B.251.
- I. The City is willing to implement the Project in accordance with the terms and conditions hereinafter set forth.

AGREEMENT

In consideration of the mutual covenants and agreements hereinafter set forth, and intending to be legally bound, the parties hereby agree as follows:

1. Project. The Project will include a purchase of the Sweeper by the City, in accordance with all statutory municipal contracting requirements, and its use pursuant to Exhibit A attached hereto. Upon the City's initial purchase of the Sweeper, the Commission agrees that it will reimburse the City for approximately 25% of the cost in accordance with this Agreement, which pursuant to sections 2 and 3 of this Agreement shall not exceed \$75,000. The City shall use the Sweeper in certain subwatersheds, as specified in the attached Exhibit A, and it will annually report on the use of the Sweeper and its effectiveness at reducing total phosphorus in subwatersheds of nutrient impaired lakes and reducing chlorides in the subwatershed of Parkers Lake. Reporting will occur annually for five years and shall include, but may not necessarily be limited to, all data specified in Exhibit A. Said reports shall be promptly submitted to the Commission upon their completion.
2. Commission Reimbursement. The Commission will use its best efforts to secure payment from the County in accordance with Minnesota Statutes, section 103B.251 in the amount of Eighty-One Thousand Six Hundred Dollars (\$81,600) by tax levy in 2020 for collection in 2021. The total reimbursement paid by the Commission to the City for the Project will not exceed Seventy-Five Thousand Dollars (\$75,000) towards purchase of the Sweeper. Other Commission costs expected to be associated with the project include up to a 2.5% administrative charge, and the cost of technical reviews of the effectiveness reports that will be prepared by the City and submitted to the Commission in accordance with this Agreement. Reimbursement to the City of 90% of the cost shared amount (\$67,500) will be made as soon as funds are available, provided a request for payment has been received from the City that contains such detailed information as may be requested by the Commission to substantiate costs and expenses. The City may then request reimbursement of the remaining 10% of the cost shared funds (\$7,500) after submittal of the first effectiveness report and subsequent review by the Commission.
3. Limits on Reimbursement. Reimbursement to the City will not exceed the lesser of \$75,000 or the total amount received from the County for the Project. All costs of the Project incurred by the City in excess of such reimbursement shall be borne by the City or secured by the City from other sources.
4. Audit. All City books, records, documents, and accounting procedures related to the Project are subject to examination by the Commission and either the State Auditor or the Legislative Auditor for at least six years after completion of the Project.
5. Ongoing Maintenance. The City shall be responsible for ongoing maintenance of the Sweeper and shall ensure that it remains in service, in good repair, and continues to effectively remove pollutants through December 31, 2025. The City agrees to perform this maintenance at its sole cost and expense.

6. Data Practices. The City shall retain and make available data related to effectiveness documentation in accordance with the Minnesota Government Data Practices Act.
7. Term. This Agreement shall be in effect as of the date first written above and shall terminate after the last annual report that is required herein is finalized by the City and submitted to the Commission.
8. Entire Agreement. The above recitals and the exhibits attached hereto are incorporated in and made part of this Agreement. This Agreement contains the entire understanding between the parties regarding this matter and no amendments or other modifications of its terms are valid unless reduced to writing and signed by both parties.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized officers on behalf of the parties as of the day and date first above written.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Its Chair

And by: _____
Its Secretary

Date: _____

CITY OF PLYMOUTH

By: _____
Its Mayor

And by: _____
Its City Manager

Date: _____

EXHIBIT A
Use and Reporting Requirements for High Efficiency Street Sweeper

Required Sweeping Areas:

See attached Plymouth Street Sweeping Zones. Although boundaries of existing zones are not exactly aligned with subwatershed boundaries, they are similar enough and there is efficiency in using already established zones.

- To reduce chlorides in Parkers Lake, sweep Zone 5C.
- To reduce nutrients in Medicine, Lost, and Northwood Lakes, sweep Zones 5C, 3B, 3C, 4A, 4B, 4C, and 4D. Concentrate sweeping in areas of high tree canopy and little or no existing stormwater treatment.

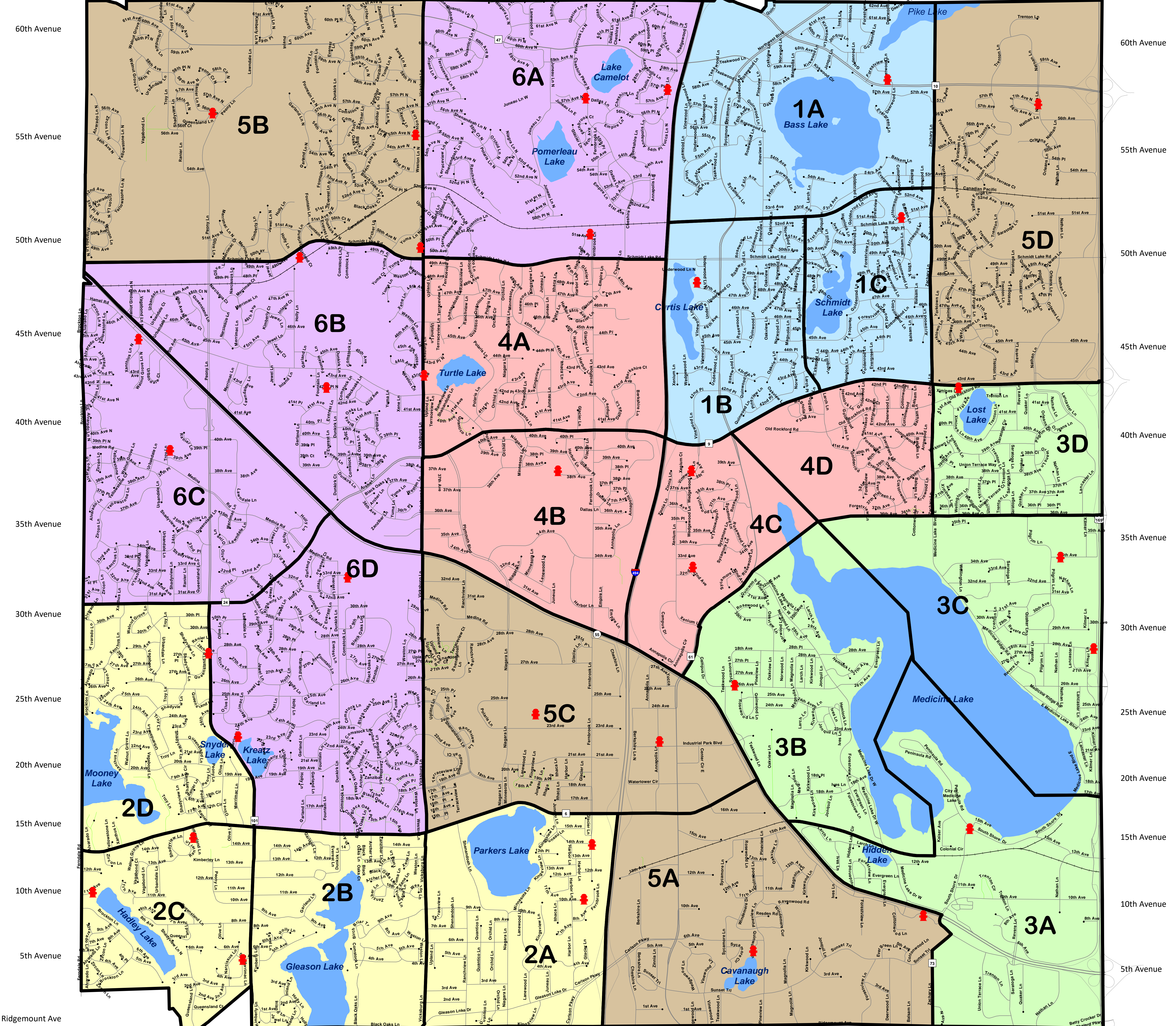
Required Timing for Sweeping:

- To reduce chlorides, sweep at least once in late winter or early spring.
- To reduce nutrients, sweep at least once in fall after the majority of leaf fall.

Required Effectiveness Testing and Reporting:

- Testing of a representative sample of captured material required twice per year including once in spring and once in fall. (More frequent testing is preferred.)
- Parameters to be reported per zone:
 - Zone number and downstream waterbody
 - Dates of sweeping
 - Lane miles swept
 - Estimated pollutant load reduction in mg/kg for total phosphorus and chlorides
- Annual reporting to the Commission required for years 2021 – 2025

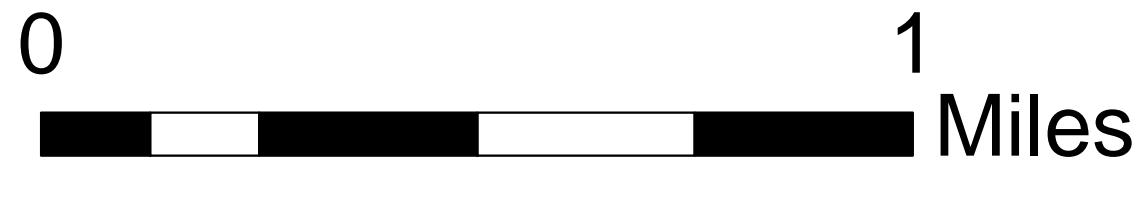
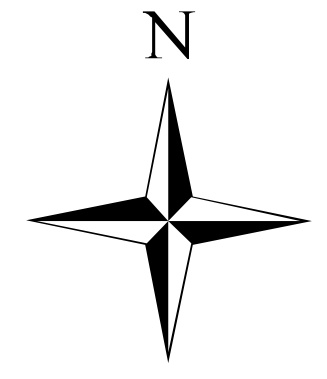
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17300 Jewel
17200 Inland
17100 Holly
17000 Garland
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15800 Upland
15700 Terraceview
15600 Shenandoah
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15400 Quantico
15300 Polaris
15200 Orchid
15100 Niagara
15000 Minnesota
14900 Lanewood
14800 Kingsview
14700 Juneau
14600 Ithaca
14500 Harbor
14400 Glacier
14300 Fernbrook
14200 Empire
14100 Dallas
14000 Cheshire
13900 Berkshire
13800 Annapolis
13700 Zinnia
13600 Yucca
13500 Xenium
13400 Wedgewood
13300 Vinewood
13200 Underwood
13100 Teakwood
13000 Sycamore
12900 Rosewood
12800 Quinwood
12700 Pineview
12600 Oakview
12500 Norwood
12400 Magnolia
12300 Larch
12200 Kirkwood
12100 Jonquil
12000 Ives
11900 Hemlock
11800 Goldenrod
11700 Forestview
11600 Evergreen
11500 Deerwood
11400 Cottonwood
11300 Balsam
11200 Arrowwood
11100 Zephyr
11000 Yorktown
10900 Ximines
10800 Wellington
10700 Valley Forge
10600 Union Terrace
10500 Trenton
10400 Saratoga
10300 Revere
10200 Quaker
10100 Pilgrim
10000 Orleans
9900 Nathan
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9700 Lancaster
9600 Kilmer
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9500 T.H. 169

Street Sweeping Zones

-  Hydrant for City Sweeper
-  Culdesac
-  Zone 1
-  Zone 2
-  Zone 3
-  Zone 4
-  Zone 5
-  Zone 6



April 2020

THIS REPRESENTS A COMPILATION OF INFORMATION AND DATA FROM CITY, COUNTY, STATE AND OTHER SOURCES THAT HAS NOT BEEN FIELD VERIFIED. INFORMATION SHOULD BE FIELD VERIFIED AND COMPARED WITH ORIGINAL SOURCE DOCUMENTS.

Bassett Creek Park Pond Phase I Dredging Project Winnetka Pond 2018 BCP-2



FINAL REPORT
September 2020



Future addendum to include native buffer reporting

I. Project Overview

This Bassett Creek Watershed Management Commission (BCWMC) Capital Improvement Project in the City of Crystal dredged approximately 20,000 cubic yards (CY) of sediment from Winnetka Pond, increased the permanent pool volume to 14.6 acre-feet, and installed a native buffer around the pond to deter geese and improve pollinator and upland habitat. Winnetka Pond is located directly on the North Branch of Bassett Creek near the intersection of 36th Avenue North and Winnetka Avenue North (Figure 1). It's approximately 3 acres in size and drains roughly 243 acres of urban land from portions of Crystal and New Hope. This project is the first phase of the Bassett Creek Park Dredging Project aimed at reducing total phosphorus and total suspended sediment in North Branch of Bassett Creek. The project increased the depth of the pond from 0-2 feet average depth, to 6 feet deep across the entire pond. This project reduces total phosphorus by 51.7 pounds per year (based on professional judgement calculations) and total suspended solids by 1,823 pounds per year. Construction started in December of 2018 and pond dredging was completed in June of 2019. Once dredging was completed, work started on the 5-year native buffer restoration which will continue through at least summer of 2023.

II. Project Description and Outcomes

Through an agreement with the BCWMC, the City of Crystal designed and constructed this project. The city hired Barr Engineering Co. to design the project and provide construction oversight, and contracted with Veit & Company, Inc. (Veit) to construct the dredging project. The city also contracted Applied Ecological Services (AES) through 2023 for the construction and maintenance of the native vegetation buffer.

The project removed approximately 14,600 CY of sediment and 5,500 CY of contaminated sediment from Winnetka Pond. The environmental investigations and sediment sampling during the feasibility study showed that the dredged material could be reused as unregulated fill. However, during construction contaminated sediment was discovered near the outlet structure. Further investigation resulted in changes to the construction plans that added \$65,000 in engineering fees, and \$370,000 in construction costs for disposal of the contaminated sediment in a landfill. Additionally, in order to sufficiently remove the contamination, the existing outlet structure that was intended to remain had to be demolished and replaced.

The project increased the depth of the pond from 0-2 feet average depth, to 6 feet deep across the entire pond. This project reduces total phosphorus by 51.7 pounds per year (based on professional judgement calculations) and total suspended solids 1,823 pounds per year.

Prior to dredging, trees were cleared from the south and east sides of the pond. During construction of the native buffer, additional trees were cleared along the north and west sides of the pond to remove buckthorn and other undesirable species, and to allow more sunlight for native plants to thrive. The native buffer restoration is currently in its first full year of establishment and maintenance. The buffer is a minimum width of 30 feet, with an average width of 50 feet. Previous vegetation included buckthorn, reed canary grass, Canada thistle, and cocklebur. The native buffer includes such species as whorled milkweed, goat's rue, and purple prairie clover to improve pollinator and upland habitat and will deter geese from utilizing the area adjacent to the pond. Once complete, the results of the buffer restoration will be included in an addendum to this report.

III. Timeline and Key Documents

Dredging of Winnetka Pond was the first phase of the Bassett Creek Park Dredging Project aimed at reducing total phosphorus and sediment in North Branch of Bassett Creek and downstream in the Main Stem of Bassett Creek. The feasibility study for the Bassett Creek Park Dredging Project identified dredging of Winnetka Pond as a more cost-effective alternative to dredging the larger and more contaminated Bassett Creek Park Pond which lies downstream of Winnetka Pond. The project timeline is found below and documents can be found at: www.bassettcreekwmo.org/index.php?CID=403.

- May 2017: Final Feasibility approved
- September 2017: Project officially ordered
- September 2017: Agreement with City of Crystal executed
- April 2018: 50% Design Plans approved
- June 2018: 90% Design Plans approved
- December 2018: Construction began
- April 2019: Agreement with City amended to increase project budget for contaminated sediment disposal
- June 2019: Dredging completed
- Fall 2019 – 2023: Native buffer establishment

IV. Project Budget and Funding

This project was funded primarily through an ad valorem tax of \$1,000,000 levied on watershed residents in 2018. Due to a project budget amendment, some BCWMC Closed Project Account funds were used as well as \$9,050 of Channel Maintenance Funds allocated to the city of Crystal. No grant funding was sought for this project.

Original Total Project Budget: \$1,000,000:
Feasibility Study Budget: \$60,000
Administrative, Legal, Engineering Costs: \$27,000
Design and Construction Budget: \$913,000

Amended Total Project Budget (adjusted for disposal of contaminated sediment, additional engineering costs, replacement of outlet structure): \$1,123,351

Final Costs:
Feasibility Study: \$61,248
Administrative Costs: \$7,994
Design and Construction (less buffer maintenance through 2023): \$985,181
Estimated Buffer Maintenance Costs (including Engineering): \$33,326
Total: \$1,087,749

V. Lessons Learned

While Minnesota Pollution Control Agency (MPCA) guidelines for pond dredging were followed during the investigation phase, no excavation project is immune from uncovering unknown remnants of the past. Following the additional rounds of investigation during construction there still was no documented justification for the discovered contamination. Lessons learned include being responsive to changes in conditions and being flexible when design changes are required. Due to other BCWMC CIP projects coming in under budget, this project was able to receive additional funding to cover the increased costs and still be constructed to the full 6-foot depth as originally designed.

VI. Maintenance

The City of Crystal will perform any required maintenance of the pond outlet structure including debris removal. The improved trash rack allows for easy cleaning as well as reduced risk of plugging of the outlet. Very little maintenance of the pond is anticipated for the foreseeable future.

The native buffer is currently being maintained by AES. Their contract with the City of Crystal covers 5 years of establishment and maintenance which started in 2019 and extends through 2023. Years 1 & 2 are defined as the buffer establishment which includes seeding/re-seeding, mowing, and weed control with herbicide in order to achieve specified coverage standards for grasses and forbs. Years 3 – 5 are defined as buffer maintenance which include activities such as continued mowing, targeted weed control, and prescribed burns, as determined by the engineer. The entirety of the City's contract with AES is eligible for reimbursement through the project. At the end of the AES contract, the City will maintain the buffer. Per an easement agreement, Winnetka Village Apartments will reimburse the City for 90% of the cost of buffer maintenance in perpetuity.



Imagery: MNGEO: 2016



- Project Ponds
- Bassett Creek

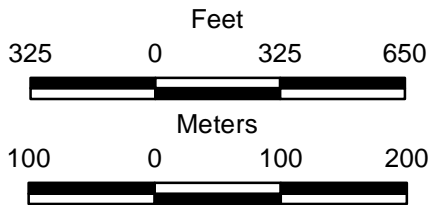


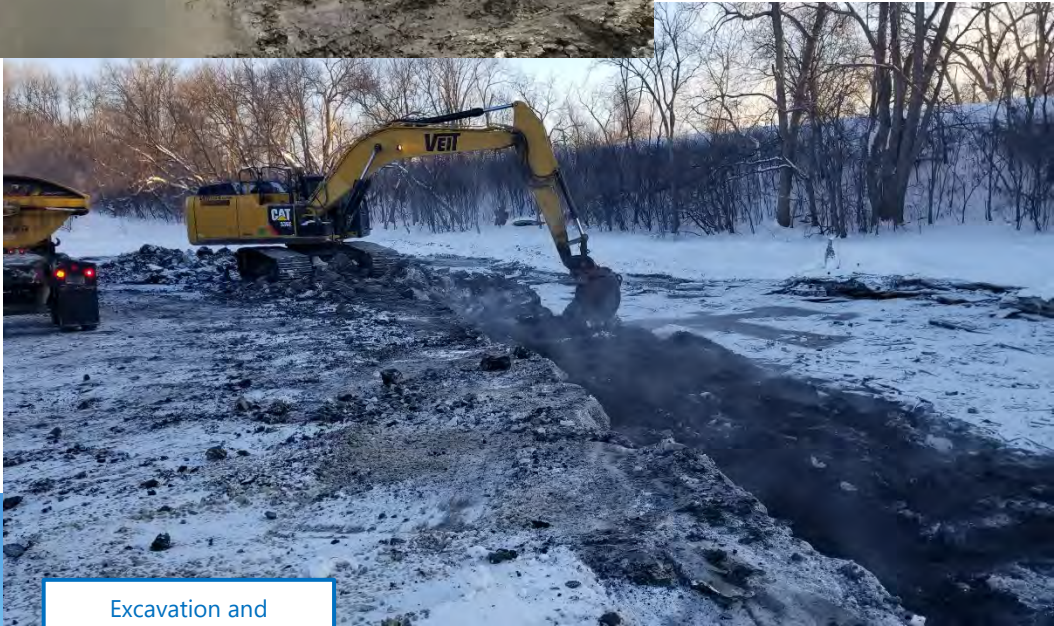
FIGURE 1
LOCATION MAP
 Winnetka Pond Native Buffer
 City of Crystal

VII. Photos





Water diversion channel around pond perimeter



Excavation and removal of pond muck





Oily substance discovered near outlet structure



Existing outlet structure removed in order to remove contamination



Bentonite barrier installed



Contaminated soils hauled to landfill



Existing outlet structure



Forming and pouring new outlet structure



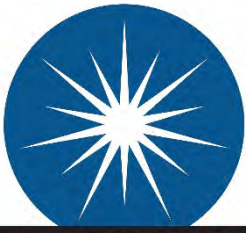


New outlet structure during March snowmelt / rain event



New outlet structure with trash rack and riprap





CITY of CRYSTAL

4141 Douglas Drive North • Crystal, Minnesota 55422-1696

Tel: (763) 531-1000 • Fax: (763) 531-1188 • www.crystalmn.gov

Item 6C.
BCWMC 9-17-20
Full document
online

August 31, 2020

Dear Ms. Jester,

Enclosed you will find documentation for design expenses for the Winnetka Pond Sediment Removal Project approved by the Commission in 2018. This is the third request to the Bassett Creek Watershed Management Commission (BCWMC) for reimbursement of City expenses incurred for this project. BCWMC has reimbursed the City \$993,906.27 to date.

The project removed accumulated sediment from Winnetka Pond, constructed some storm water pipes to eliminate existing erosion into the pond, reconstructed the outlet weir, and is in the process of establishing a native buffer.

The requested reimbursement for the Winnetka Pond Sediment Removal Project is \$3,500.00 and covers engineering fees for construction observation and administration. The cost breakdown is as follows:

City project costs request #1	\$63,749.85
City project costs request #2	\$930,156.42
City project costs request #3	\$3,500.00
<u>BCWMC project costs to date</u>	<u>\$69,242.05</u>
Total project cost to date	\$1,066,648.32

The funding available to the City for the project is as follows:

BCWMC CIP	\$1,000,000
BCWMC approved amendment 1	\$114,301
Channel Maintenance Funds	\$9,050
<u>Local City funding</u>	<u>\$25,000</u>
Total Funding	\$1,148,351

Thank you again for your support of this project. If you have any questions regarding the submission, please contact me at mark.ray@crystalmn.gov or 763.531.1160.

Sincerely,

Mark Ray, PE
Director of Public Works

Enclosures



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 6D – Review Results of Comparative Analysis of Linear Projects: Water Quality Treatment Outcomes
Date: September 10, 2020
Project: 23270051 2020 001

Background

At their May 18, 2017 meeting, the Commission approved revisions to the BCWMC's Requirements for Improvements and Development Proposals (Requirements document) that revised the BCWMC's water quality performance standards for linear projects. The previous (2015) standards required MIDS treatment for linear projects when the project would result in 1 acre of new/fully reconstructed impervious:

MIDS standard: capture and retain the larger of 1.1 inches off the net increase in impervious – or – 0.55 inches off the new/fully reconstructed impervious (acre-feet). Follow flexible treatment options if volume reduction BMPs are not feasible or not allowed.

The revised/current (2017) standards require treatment for linear projects when the project will result in 1 acre of net new impervious:

BCWMC standard: capture & retain 1.1 inches off the net new impervious area (acre-feet). Follow flexible treatment options if volume reduction BMPs are not feasible or not allowed.

After the approved revisions, the Commission requested a periodic analysis comparing the revised linear project standards vs. the previous (MIDS) standards on linear projects reviewed by the BCWMC after the standards were revised. The Commission Engineer completed the first analysis for review by the Commission at their September 2018 meeting. This memo adds to the analysis completed in 2018.

Analysis

We compared the MIDS water quality (previous) requirements and the BCWMC water quality (current) requirements for the 25 linear projects that triggered BCWMC review, since the May 2017 Commission meeting. Table 1 shows the 25 linear projects, pertinent project data, the required water quality treatment volume under previous and current requirements, and the amount of treatment that was provided.

As shown in Table 1, one of the 25 linear projects reviewed triggered water quality treatment per the current requirements, whereas 19 of the 25 projects would have triggered water quality treatment per the previous requirements. For the 19 projects that would have triggered water quality treatment per the

previous requirements, the total required treatment volume would have been 3.87 acre-feet. However, many projects in the Bassett Creek watershed are unable to meet volume reduction requirements, often due to low infiltrating soils, and it is not known if the project proposers could have provided that treatment volume.

Since the May 2017 Commission meeting, linear projects requiring BCWMC review (25 total) have created 90.74 acres of new/fully reconstructed impervious surfaces resulting in an estimated total phosphorus (TP) loading of 162.0 pounds per year. The previous requirements would have required 60 to 100 percent TP removal, based on volume reduction capacity of the site, resulting in estimated pollutant removals of 97.2 - 162.0 pounds per year of TP. However, of the 90.74 acres of new/fully reconstructed impervious surfaces, approximately 94% (85.35 acres) was reconstructed impervious and approximately 6% (5.39 acres) was net new impervious. Therefore, based on the change in impervious only (i.e., 5.39 acres of net new impervious), the linear projects requiring BCWMC review created an additional TP loading of 9.6 pounds per year compared to pre-project conditions.

The magnitude of the reduced water quality treatment for linear projects was also evaluated by comparing the estimated TP loading from the linear projects to the total TP loading for the watershed. The BCWMC P8 model, developed and adopted in 2012, estimates TP loads of 3,200 pounds per year at the inlet to the Bassett Creek tunnel. Based on this loading, the linear projects submitted since the May 2017 Commission meeting are contributing up to 3.0% - 5.1% additional TP loading to Bassett Creek relative to the loading that would have occurred with the previous requirements in place. Based on the change in impervious only (i.e., 5.39 acres of net new impervious), the linear projects submitted since May 2017 are contributing approximately 0.3% additional TP loading to Bassett Creek, relative to pre-project conditions.

Finally, water quality benefits and TP removal may be provided by onsite or downstream treatment prior to discharging to Bassett Creek; therefore, the estimated TP loading increases should be viewed as a maximum. Also, some of the reviewed linear projects may provide some level of water quality treatment, but the data was not provided to the BCWMC because it was not required as part of the review. A more detailed analysis of the specific effects of these linear projects could be performed using the P8 model and the Commission expects cities to annually submit any new water quality improvement structures to the Commission Engineer so the P8 model can be updated appropriately.

Table 1. Comparison of previous (2015) and current BCWMC triggers and water quality performance standards for linear projects

BCWMC Reviews of Linear Projects		2017-33 Metro Transit C Line BRT	2018-02 Hwy 55 Frontage Road Reconstruction	2018-04 Golden Valley 2018 PMP	2018-05 Luce Line Regional Trail Reconstruction	2018-07 Toledo-Scott Avenue Reconstruction	2018-08 Kilmer Park Street Reconstruction	2018-09 CenterPoint Energy 2018 MBLG GV West	2018-11 CenterPoint Energy Boone Avenue N Mill	2018-15 Trunk Highway 55 (TH 55) West Improvements	2018-18 CenterPoint Energy 2018 MBLG GV Central	2018-21 MCES Golden Valley Interceptor	^ Previously reviewed by the BCWMC at their September 2018 meeting. ^														
		2018-22 Plymouth Sanitary and Storm Sewer Rehab	2018-30 Winpark Drive Infrastructure Impr.	2018-31 CSAH 9 (Rockford Road) and I-494 Interchange	2019-02 Golden Valley 2019 PMP	2019-04 CenterPoint MBLSW Winnetka Avenue	2019-05 Candlelight Terrace Street Reconstruction	2019-10 Ridgedale Drive Improvements	2019-12 Theodore Wirth Golf Course Cart Paths	2019-28 Plymouth 2020 Street Construction	2020-01 Golden Valley 2020 PMP	2020-04 CenterPoint Energy 2020 MBLNW Winnetka											2020-07 Crystal 2020 Utility Reconstruction	2020-12 New Hope 2020 Infrastructure Improvements	2020-13 West Broadway Ave (CSAH81) Bridges Recon.		
BCWMC Project Review Data	Project Disturbance (acres)	5.50	1.50	8.37	1.92	3.40	7.70	1.80	0.90	2.66	1.77	4.42	0.67	3.90	19.17	11.03	2.50	1.61	14.24	7.00	20.70	7.90	4.50	4.09	14.08	7.4	
	Existing Impervious (acres)	5.40	1.15	5.27	0.76	2.89	4.58	1.80	0.00	0.92	1.77	0.86	0.00	2.64	5.91	5.89	2.50	0.95	8.94	2.35	12.81	4.56	4.50	1.95	6.08	3.64	
	Proposed Impervious (acres)	5.00	1.17	5.07	0.73	3.00	4.96	1.80	0.00	1.58	1.77	0.86	0.00	2.43	7.66	5.64	2.50	0.92	8.84	3.85	13.76	4.32	4.50	1.74	6.08	3.41	
	Change in Impervious (acres)	-0.40	0.02	-0.20	-0.03	0.11	0.38	0.00	0.00	0.66	0.00	0.00	0.00	0.00	-0.21	1.75	-0.25	0.00	-0.03	-0.10	1.50	0.95	-0.24	0.00	-0.21	0.00	-0.23
	New Impervious (acres)	0.00	0.02	0.00	0.00	0.11	0.38	0.00	0.00	0.66	0.00	0.00	0.00	0.00	0.00	1.76	0.00	0.00	0.00	0.00	1.50	0.96	0.00	0.00	0.00	0	0
	Reconstructed Impervious (acres)	5.00	1.15	5.07	0.73	2.89	4.58	1.80	0.00	0.92	1.77	0.86	0.00	2.43	5.91	5.64	2.50	0.92	8.84	2.35	12.81	4.32	4.50	1.74	6.08	2.56	
	Total New and Reconstructed Impervious (acres)	5.00	1.17	5.07	0.73	3.00	4.96	1.80	0.00	1.58	1.77	0.86	0.00	2.43	7.66	5.64	2.50	0.92	8.84	3.85	13.76	4.32	4.50	1.74	6.08	2.56	
Previous (2015) BCWMC Requirement:	Trigger MIDS at 1 acre of new/fully reconstructed impervious	MIDS Treatment: Capture & retain larger of 1.1 inches off the net increase in impervious – or – 0.55 inches off the new/fully reconstructed impervious (acre-feet). Follow flexible treatment options if volume reduction is not feasible or not allowed.		0.23	0.05	0.23	0	0.14	0.23	0.08	0	0.07	0.08	0	0.11	0.35	0.26	0.11	0	0.41	0 ⁶	0.63	0.2	0.21	0.08	0.28	0.12
Current BCWMC Requirement:	Trigger treatment at 1 acre of net new impervious	Capture & retain 1.1 inches off the net new impervious area (acre-feet). Follow flexible treatment options if volume reduction is not feasible or not allowed.		0	0	0	0	0	0	0	0	0	0	0	0.16	0	0	0	0	0 ⁶	0	0	0	0	0	0	0
Actual Treatment Provided:	Capture and Retain Volume Provided (acre-feet) ¹	0	- ²	0 ³	0	- ²	0	0	0	0	0	0	0	0	- ⁴	0	0	- ²	- ⁵	0 ⁶	0	0	0	0	0	0	0

¹ Projects with site restrictions may not be required to "capture & retain" the water quality volume. These projects must follow BCWMC Flexible Treatment Options (FTOs).

² Water quality treatment provided but information and/or documentation not submitted or not reviewed.

³ No volume retained specifically as part of project, but a filtration basin proposed as mitigation for 2016 PMP project and 2017 PMP project.

⁴ Water quality treatment provided as part of FTO #2 due to the presence of high seasonal groundwater.

⁵ Water quality treatment provided as part of BCWMC Capital Improvement Program (CIP) Project CL-3 in conjunction with this project.

⁶ Trails and sidewalks and other miscellaneous disconnected impervious surfaces are exempt from BCWMC water quality performance standards.



Bassett Creek Watershed Management

MEMO

Date: September 9, 2020
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 July): 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 restoration work is nearly complete. Bare root trees will be planted in September. 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 began last fall and 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. At their meeting in April, the Commission approved a TAC and staff recommendation to move this project from implementation in 2019 to design in 2020 and construction in 2021 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. The final feasibility study was approved at the January 2019 Commission meeting. Staff discussed the maintenance of Penn Pond with MnDOT and received written confirmation that pond maintenance will occur prior to the park's reconstruction project with coordination among the BCWMC, MPRB, and MnDOT. A public hearing for this project was held September 19, 2019. The project was officially ordered at that meeting. An agreement with the MPRB and the city of Minneapolis will be considered at a future 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. 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, Minneapolis and MPRB staff met to review the implementation agreement and maintenance roles. There are some additional items to discuss including which entity will be designing and constructing portions of the project outside of park property. Another meeting will be scheduled soon. Design is still slated

for 2021 and construction in 2022. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/bryn-mawr-meadows-water-quality-improvement-project>

2020 Jevne Park Stormwater Improvement Project (ML-21) Medicine Lake (No change since Oct 2019): 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 on October 17th, the Commission moved to table discussion on the project. The project remains on the 2020 CIP list. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=467>.

2019 Westwood Lake Water Quality Improvement Project (WST-2) St. Louis Park: At their meeting in September 2017, the Commission approved a proposal from the Commission Engineer to complete a feasibility study for this project. The project will be completed in conjunction with the Westwood Hills Nature Center reconstruction project. After months of study, several meetings with city consultants and nature center staff, and a public open house, the Commission approved Concept 3 (linear water feature) and set a maximum 2019 levy at their May meeting. 50% designs were approved at the July meeting and 90% design plans were approved at the August meeting. The Hennepin County Board approved a maximum 2019 levy request at their meeting in July. A BCWMC public hearing on this project was held on August 16th with no comments being received. At that meeting the Commission officially ordered the project and entered an agreement with the City of St. Louis Park to design and construct the project and directed the Education Committee to assist with development of a BCWMC educational sign for inside the nature center. The draft sign was presented at the October 2017 meeting and was finalized over the winter. The Sun Sailor printed [an article](#) on the project in October 2018. Building and project construction is nearly complete including the bog, small pond areas with connecting streams, hand pumps, and educational signage. The ribbon cutting is scheduled for September 13th and a larger grand opening is planned for next spring. The building is open to the public and various programs have been running this summer. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/westwood-lake-water-quality-improvement-project>.

2018 Bassett Creek Park Pond Phase I Dredging Project: Winnetka Pond, Crystal (BCP-2) (See Item 6B and 6C): The final feasibility study for this project was approved at the May 2017 meeting and is available on the project page online at <http://www.bassettcreekwmo.org/index.php?cID=403>. At the September 2017 meeting, the Commission held a public hearing on the project and adopted a resolution officially ordering the project, certifying costs to Hennepin County, and entering an agreement with the City of Crystal for design and construction. Hennepin County approved the 2018 final levy request at their meeting in November 2017. The City of Crystal hired Barr Engineering to design the project. At their meeting in April, the Commission approved 50% design plans. A public open house on the project was held May 24th where four residents asked questions, provided comments, and expressed support. 90% design plans were approved at the June 2018 meeting. An Environmental Assessment Worksheet was recently approved and a construction company was awarded the contract. A pre-construction meeting was held December 2018 construction began in January 2019. A large area of contamination was discovered during excavation in February 2019. At their meeting February 21, 2019 the Commission approved additional funding for this project in order to properly dispose of the contamination and continue building the project as designed. An amended agreement with the city of Crystal was approved at the March 2019 Commission meeting. Pond dredging and other storm sewer work was completed in early summer 2019. Work to establish the native buffer began fall 2019 and continued through this growing season. Weeds seems to be currently dominating the area but native plants should become well established next year. The buffer specialists are under contract with the city through 2023. A final report of the project (minus the native buffer work) and reimbursement request is on this meeting agenda.

2017 Main Stem Bassett Creek Streambank Erosion Repair Project (2017CR-M) (No change since June): The feasibility study for this project was approved at the April Commission meeting and the final document is available on the project page at: <http://www.bassettcreekwmo.org/index.php?CID=281>. A Response Action Plan to address contaminated soils in the project area was completed by Barr Engineering with funding from Hennepin County and was reviewed and approved by the MPCA. The Commission was awarded an Environmental Response Fund grant from Hennepin County for \$150,300 and a grant agreement is in the process of being signed by the county. A subgrant agreement with the City will be developed. The City hired Barr Engineering to design and construct the project. Fifty-percent and 90% designs were approved at the August and October Commission meetings, respectively. In September 2017, design plans were presented by Commission and city staff to the Harrison Neighborhood Association's Glenwood Revitalization Team committee and through a public open house on the project. Bidding for construction is complete and a pre-construction meeting was recently held. Construction was to begin summer of 2018 but will be delayed until summer 2019 due to the unanticipated need for a field based cultural and historical survey of the project area required by the Army Corps of Engineers and the preference for Pioneer Paper (a significant landowner and access grantor) for a spring/summer construction window. The cultural and historical survey fieldwork is complete and a final report was sent to the State Historical Preservation Office (SHPO) in February. The Hennepin County ERF grant agreement was amended to extend the term. Construction was scheduled to begin in September but will be pushed to late November. City staff updated the Commission on the latest developments with this project at the Sept 19 and Oct 17, 2019 meetings (see memos in those meeting packets). The section along Pioneer Paper will no longer be stabilized/restored due to lack of access and cooperation from Pioneer Paper. For various reasons the project did not get underway in late 2019 as planned. Currently, city and consultant staff are working to complete some permitting requirements and plan to implement the project starting in September 2020. The prolonged schedule and additional requirements resulted in an increase in the design budget of \$32,500, and the construction contractor will have a rate increase as well. The city is hoping to gain access to the Pioneer Paper property so that they can complete the entire project as originally planned. The ERF grant has been recommended for extension and is in the approval process.

2014 Schaper Pond Diversion Project, Golden Valley (SL-3) (No change since Oct 2019): 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. A Federal 319 grant for management of carp in relation to Schaper Pond and Sweeney Lake was recently approved by the MPCA and the grant agreement may be available by the December Commission meeting. At the October 17th meeting, the Commission received a report on the carp surveys and recommendations for carp removal and management. Project webpage: <http://www.bassettcreekwmo.org/index.php?CID=277>.

Sweeney Lake Water Quality Improvement Project, Golden Valley (SL-8) (See Item 4D): 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 is 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. All nets have been removed from Sweeney. The nets in Schaper remain in place as carp removals continue there. The first round of alum treatment is slated for this fall. This month's

consent agenda includes approval to direct staff to finalize bid documents and to advertise for bids for the alum treatment. The October Commission meeting will include selection of the contractor and approval of contract. The project website is continually updated to keep lake residents informed: [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/Agora Development (NL-2) (No change since June): 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 are coordinating with Commission Engineers to finalize plans per conditions. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=282>.

2020 Crane Lake Improvement Project (CL-3) (No change since June): This project was constructed in conjunction with the reconstruction of Ridgedale Drive in the City of Minnetonka. At their meeting on March 21, 2019, the BCWMC approved the project's feasibility study and chose to implement Option 3 from the study. At their meeting on May 16, 2019, the BCWMC approved the 90% design plans for the project. Construction is expected in early 2020. A public hearing on this project was held on September 19, 2019. No persons commented on the project. The project was officially ordered and an agreement with the city of Minnetonka was approved at the same meeting. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=490>.

June 2020 update:

- Underground storm water tank was installed last fall.
- Construction of the lift station, which will pump storm water from the underground storm water tank into the rain gardens, will be completed within the next couple weeks.
- All storm sewer along Ridgedale Drive and within the area draining to the underground storm water tank is installed.
- Rain gardens are constructed (see photo; weed control needed), plantings to be installed over the next several weeks
- Underground storm water tank and pumping system to the rain gardens will be fully operational this fall.
- Educational sign design will be completed in 2020 and installation will occur in 2021.
- Additional project updates can be viewed on our City Website Project Page:

<https://www.minnetonkamn.gov/services/construction-projects/street-and-utility-projects/ridgedale-drive-improvements-project>

Other Work

CIP Project Work and Technical Assistance

- Assisted with finalizing report for Winnetka Pond Dredging Project and reviewed reimbursement request
- Participated in meeting with Minneapolis and MPRB staff re: Bryn Mawr Meadows Water Quality Improvement Project implementation, maintenance, and agreements; assisted with setting subsequent meeting with Commission engineers
- Participated in meeting re: Medicine Lake drone project
- Reviewed letter to residents re: Medley Park Stormwater Improvement Project
- Assisted with setting project kick-off meeting for Medley Park Project

Administration and Education

- Assisted with drafting agreements with Plymouth for 2021 projects; coordinated with city staff and Commission attorney
- Drafted resolution ordering 2021 projects
- Reviewed education column and videos; posted latest video online
- Assisted with connecting Education Consultant with volunteers for next video and article
- Began drafting a grant application for a Hennepin County ERF grant for Main Stem Lagoon Dredging Project
- Posted updated 5-year CIP and fact sheets online
- Distributed watershed plan amendment revised pages and posted revisions online
- Posted approved 2021 Operating Budget online
- Sent financial report updates on grant funding received and CIP project budgets, and corrected city assessment YTD totals
- Attended Watershed Based Implementation Funding convene meeting and updated spreadsheet
- Participated in Hennepin County Climate Action Program Review meeting
- Participated in Minneapolis Pathogen Task Force meeting