



# Bassett Creek Watershed Management Commission

Regular Meeting  
Wednesday November 18, 2020  
8:30 – 11:00 a.m.

Via Zoom – Click [HERE](#) to join the meeting.  
Or join by phone +1-312-626-6799; Meeting number 849 8377 6513

## 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 – October 15, 2020 Commission Meeting
- B. Acceptance of November 2020 Financial Report
- C. Approval of Payment of Invoices
  - i. Keystone Waters, LLC – October 2020 Administrative Services
  - ii. Keystone Waters, LLC – October 2020 Expenses
  - iii. Barr Engineering – October 2020 Engineering Services
  - iv. Lawn Chair Gardener – October 2020 Administrative and Education Services
  - v. Wenck – October WOMP Monitoring
  - vi. Kennedy & Graven – September 2020 Legal Services
  - vii. Metro Blooms – Clean Water Fund Project for Northside Commercial Properties
  - viii. Metro Blooms – Local Match for Projects in Harrison
  - ix. Three Rivers Park District – Watercraft Inspection Contribution
- D. Approval of Pay Request from SOLitude Lake Management for Sweeney Lake Alum Treatment
- E. Approval of 60-day Review Comments on Mississippi WMO Watershed Management Plan
- F. Approval of 4930 Markay Ridge Retaining Wall Project, Golden Valley
- G. Approval of 1875 Kyle Place Shoreline Improvements, Golden Valley

### 5. BUSINESS

- A. Receive Update on Sweeney Lake Alum Treatment (5 min)
- B. Appoint MAWD Delegates and Consider Approval of Meeting Attendance by Commissioners and Administrator (15 min)
  - i. MAWD Meeting Agenda
  - ii. MAWD Meeting Announcement
  - iii. MAWD Resolutions Hearing Packet (online only)
- C. Review Protocols and Process for Addressing Potential Conflicts of Interest (20 min)
- D. Discuss Recommendations from Technical Advisory Committee and Possible Projects for 5-year CIP 2023 - 2027 (20 min)
- E. Consider Options for Implementing Bryn Mawr Meadows Water Quality Improvement Project (15 min)
- F. Consider Options for Implementing Main Stem Lagoon Dredging Project (15 min)
- G. Decide on Method for Staff Evaluation (10 min)

## 6. COMMUNICATIONS (10 minutes)

- A. Administrator's Report
  - i. Update on Medicine Lake Issues
  - ii. Update on Grant Applications
  - iii. Search for New Deputy Treasurer
  - iv. Report on MAISRC Showcase and Water Resources Conference
- B. Chair
- C. Commissioners
- D. TAC Members
- E. Committees
- F. Education Consultant
  - i. Latest Education Video on [Wetlands and WHEP Volunteers](#)
- G. Legal Counsel
- H. Engineer

## 7. 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. WCA Notices of Application, Plymouth (3)
- E. WCA Notice of Decision, Golden Valley
- F. WCA Notice of Application, Golden Valley
- G. [MPRB Draft Parks for All Comprehensive Plan Comment Period](#)

## 8. ADJOURNMENT

### Upcoming Meetings & Events

- Minnesota Association of Watershed District (MAWD) Annual Meeting: December 2 – 4, online <https://pheedloop.com/mawd2020/site/home/>
- Bassett Creek Watershed Mgmt Commission Meeting: Thursday December 17<sup>th</sup> 8:30 a.m. online



# Bassett Creek Watershed Management Commission

## AGENDA MEMO

Date: November 11, 2020

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: Background Information for 11/18/20 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 – October 15, 2020 Commission Meeting- **ACTION ITEM with attachment**
  - B. Acceptance of November 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 – October 2020 Administrative Services
    - ii. Keystone Waters, LLC – October 2020 Expenses
    - iii. Barr Engineering – October 2020 Engineering Services
    - iv. Lawn Chair Gardener – October 2020 Administrative and Education Services
    - v. Wenck – October WOMP Monitoring
    - vi. Kennedy & Graven – September 2020 Legal Services
    - vii. Metro Blooms – Local Match for Projects in Harrison
    - viii. Three Rivers Park District – Watercraft Inspection Contribution
  - D. Approval of Pay Request from SOLitude Lake Management for Sweeney Lake Alum Treatment **ACTION ITEM with attachment** – Solitude Lake Management completed the alum treatment on Sweeney Lake October 28 – November 5. The work was completed according to the contract and the Commission Engineer recommends approving payment and completing the attached pay request form.
  - E. Approval of 60-day Review Comments on Mississippi WMO Watershed Management Plan – **ACTION ITEM with attachment** – *The Commission Engineer reviewed sections of the draft MWMO Watershed Management Plan where Bassett Creek or the tunnel were discussed. Although no revisions are recommended, a letter outlining the Commission’s review is appropriate.*
  - F. Approval of 4930 Markay Ridge Retaining Wall Project, Golden Valley – **ACTION ITEM with attachment** – *The proposed project along Bassett Creek includes removal and replacement of a retaining wall, wood deck, and pool deck resulting in 1,540 sq. ft. of disturbance. The proposed project will not result in a change in impervious surfaces and will not impact the floodplain. Staff recommends approval.*
  - G. Approval of 1875 Kyle Place Shoreline Improvements, Golden Valley – **ACTION ITEM with attachment** - *The proposed project is located on Sweeney Lake. The applicant proposes to improve the shoreline along their property by placing fieldstone riprap, native plantings, and wildflowers. The proposed project does not result in change of impervious surfaces and will not impact floodplain storage. Staff recommends approval.*

## 5. BUSINESS

- A. Receive Update on Sweeney Lake Alum Treatment (5 min) – **INFORMATION ITEM no attachment** – 37,700 gallons of alum and 18,000 gallons of sodium aluminate were applied to Sweeney Lake between October 28th and November 5<sup>th</sup> with four passes each in the north and south basin treatment zones to ensure uniform application of the chemicals. Barr staff collected water quality and temperature measurements to confirm that neutral pH was maintained throughout the application. The City of Golden Valley and the Hidden Lakes HOA assisted by accommodating equipment storage and lake access throughout the treatment. The second (and final) phase of alum treatment is scheduled for the fall of 2022.
- B. Appoint MAWD Delegates and Consider Approval of Meeting Attendance by Commissioners and Administrator (15 min) – **ACTION ITEM with attachments** – The annual MAWD meeting and convention will be held virtually December 2 – 4. The Commission should appoint two delegates and one alternate delegate to attend official business meeting, 9:00 a.m. – noon on 12/4. In addition, the Commission should consider nay requests by commissioners to attend the convention. Registration is \$199/person. I am also requesting approval to attend the convention.
- i. MAWD Meeting Agenda
  - ii. MAWD Meeting Announcement
  - iii. MAWD Resolutions Hearing Packet (online only)
- C. Review Protocols and Process for Addressing Potential Conflicts of Interest (20 min) - **DISCUSSION ITEM with attachment – Held over from October meeting (Item 5D)** *In light of some recent questions about potential conflicts of interest related to Commission work, I worked with the Commission Attorney, and received input from Commission Engineers, to develop the attached framework for addressing potential conflicts as they arise. Commissioners could consider approving the recommended framework.*
- D. Discuss Recommendations from Technical Advisory Committee and Possible Projects for 5-year CIP 2023 - 2027 (20 min) **ACTION ITEM with attachment - Held over from October meeting (Item 5E)** – *At their meeting on October 1<sup>st</sup>, the TAC discussed a variety of issues including developing future CIP lists and chloride reduction strategies. The attached memo outlines two TAC recommendations and seeks guidance from commissioners on future CIP projects to help inform further discussions by the TAC and staff on 5-year CIP development.*
- E. Consider Options for Implementing Bryn Mawr Meadows Water Quality Improvement Project (15 min) – **ACTION ITEM with attachment** – *At the September 2019 meeting, the Commission officially ordered this project that will construct BMPs in Minneapolis right-of-way and within the park in conjunction with a major park redevelopment project. Because the project will be constructed within two different jurisdictions, there are various options for implementation. Please see my recommendations in the attached memo.*
- F. Consider Options for Implementing Main Stem Lagoon Dredging Project (15 min) – **ACTION ITEM with attachment** – *At the September 2020 meeting, the Commission officially ordered this project and agreed to design and construct the project without contracting with another entity for implementation. The Commission should discuss project schedule and options for design. Please see my recommendations in the attached memo.*
- G. Decide on Method for Staff Evaluation (10 min) – **DISCUSSION ITEM no attachment** – *Each fall the Commission evaluates my performance and that of Engineer Chandler. The evaluation has*

*been accomplished in a variety of ways over the years: 2019 = quantitative evaluation form and questionnaire completed by some TAC members and commissioners; results summarized by Chair Prom at Commission meeting; no committee meeting. 2018 = qualitative evaluation form and in-person performance review by the Administrative Committee. 2017 = quantitative evaluation with Administrative Committee review. The Commission should decide how to evaluate staff this year. Following evaluation, the Commission must solicit proposals or letters of interest proposals for at least legal and engineering services in the next two months.*

## **6. COMMUNICATIONS (10 minutes)**

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## Bassett Creek Watershed Management Commission

**DRAFT Minutes of Regular Meeting**  
**Thursday, October 15, 2020**  
**8:30 a.m.**

**Via video conference due to the COVID-19 global pandemic**

### 1. CALL TO ORDER and ROLL CALL

On Thursday, October 15, 2020 at 8:31 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	<i>Absent</i>	<i>Vacant Position</i>	Mark Ray
Golden Valley	Stacy Harwell	Jane McDonald Black	Eric Eckman
Medicine Lake	Clint Carlson	Gary Holter	<i>Absent</i>
Minneapolis	Michael Welch	<i>Vacant Position</i>	Liz Stout
Minnetonka	Mike Fruen	<i>Vacant Position</i>	<i>Absent</i>
New Hope	<i>Absent</i>	Patrick Crough	Megan Hedstrom
Plymouth	James Prom (Chair)	Catherine Cesnik	Ben Scharenbroich
Robbinsdale	<i>Vacant Position</i>	<i>Absent</i>	Richard McCoy, Marta Roser
St. Louis Park	<i>Absent</i>	Patrick Noon	<i>Absent</i>
<b>Administrator</b>	Laura Jester, Keystone Waters		
<b>Engineer</b>	Karen Chandler, Barr Engineering Greg Wilson, Barr Engineering Jim Herbert, Barr Engineering Josh Phillips, Barr Engineering		
<b>Recorder</b>	Dawn Pape, Lawn Chair Gardener		
<b>Legal Counsel</b>	Dave Anderson, Kennedy & Graven		
<b>Presenters/ Guests/Public</b>	Joel Spoonheim and Jim Lauer, AMLAC; McKenzie Erickson, Minneapolis resident		

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

Joel Spoonheim, a resident of Plymouth and president of the Association of Medicine Lake Citizens (AMLAC) expressed great concern about the aquatic invasive species (AIS) and water quality in Medicine Lake during the past summer. He explained that this summer the curly-leaf pondweed grew to levels not seen in years and even posed a safety threat because the water was unnavigable for some watercraft. Starry stonewort and curly-leaf pondweed expanded significantly. He would like to see a more comprehensive plan to address the issues. He reported that the initial agency and watershed response to the starry stonewort discovery was amazing. He asked the Commission to put together a more aggressive plan to address AIS. He hopes to see AIS on the agenda in the near future. He also mentioned chloride as a big threat to the health of the lakes.

Administrator Jester gave an overview of starry stonewort and curly-leaf pondweed conditions and the discussions with the DNR and Three Rivers Park District about control measures. Commissioner Carlson asked how AMLAC is involved and how we can partner in the future.

Mr. Spoonheim responded that addressing water concerns is a complicated mix of agencies and organizations and it is difficult for residents to know their role. He also explained that the lake residents are passionate and dedicated. They have door knocked with neighbors and the lake association meets regularly. He doesn't want to see this downward trend continue or for AIS to spread from Medicine Lake into other lakes.

Commissioner Welch thanked Mr. Spoonheim for his input, assured him that AIS is an important issue to BCWMC, and it will be a future agenda item.

**3. APPROVAL OF AGENDA**

**MOTION:** Commissioner Welch moved to approve the agenda. Alternate Commissioner Crough seconded the motion. Upon a roll call vote, the motion carried 7-0 with the Cities of Crystal and Robbinsdale absent from the vote.

**4. CONSENT AGENDA**

The following items were approved as part of the consent agenda: minutes of the September 17, 2020 Commission meeting with the correction of statutory number, October financial report, and payment of invoices.

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

Checking Account Balance	\$ 599,423.52
<b>TOTAL GENERAL FUND BALANCE</b>	<b>\$ 650,049.57</b>
<b>TOTAL CASH &amp; INVESTMENTS ON-HAND (10/7/20)</b>	<b>\$ 3,991,305.79</b>
CIP Projects Levied – Budget Remaining	\$ (4,488,149.40)
Closed Projects Remaining Balance	\$ 1,571,998.09
2015-2018 Anticipated Tax Levy Revenue	\$2,288.14
2019 Anticipated Tax Levy Revenue	\$4,953.76
Anticipated Closed Project Balance	\$ 1,579,239.99



**MOTION:** Commissioner Welch moved to approve the consent agenda. Alternate Commissioner Crough seconded the motion. Upon a roll call vote, the motion carried 7-0 with the Cities of Crystal and Robbinsdale absent from the vote.

## 5. BUSINESS

### A. Consider Awarding Contract for Sweeney Lake Alum Treatment

Bids from contractors to perform the alum treatment on Sweeney Lake were due October 9th. The Commission received three bids with the lowest bid from Solitude Lake Management at \$215,000. Commission Engineer Greg Wilson followed up to make sure the company has the equipment needed and that the scheduling works. He noted the goal is to get the treatment done by the end of October with an October 26<sup>th</sup> start date. The treatment would take about 5 days. Commission Engineer Wilson indicated that although he hasn't worked with Solitude in the past and the company has not performed alum treatments in the Midwest, he is familiar with this company through the North American Lake Management Society and reported that they have good experience having completed large alum treatment projects on the East Coast. The alum treatment is part of the Sweeney Lake Water Quality Improvement CIP Project, which is partially funded through a federal grant.

Commissioner Welch asked whether there was a contingency plan if water temperatures get too low to perform the treatment. Commission Engineer Wilson replied that the treatment would be moved to the spring, which may require a change order in the contract.

**MOTION:** Commissioner Welch moved to direct the Administrator to make decisions to implement the work and to award the alum treatment contract to Solitude Lake Management. Commissioner Carlson seconded. Upon a rollcall vote, the motion carried 7-0 with the Cities of Crystal and Robbinsdale absent from the vote.

After the vote, there was further discussion of how treatment will proceed. Barr staff will be taking pH and temperature measurements in the lake to ensure proper conditions are in place for treatment.

Alternate Commissioner McDonald Black noted that water quality has been good this year in that lake. Engineer Wilson said it may be partially attributed to the aerators being turned off. He noted there will be post treatment plant surveys.

### B. Review Additional Data and Cost Estimate for Further Analysis of Linear Projects

At the September meeting, the Commission reviewed and discussed analyses comparing the revised linear project standards with the previous linear project standards. At that meeting, the Commission directed the Commission Engineer to spend up to \$2,000 to provide more detail on the feasibility of water quality improvements based on a desktop analysis of site constraints and to bring a cost estimate for further analysis to a future meeting. Commission Engineer Chandler reminded the Commission of last month's questions:

1. What water quality improvements were included at the projects?
2. What were the site constraints?
3. What is the cost of further analysis?

Commission Engineer Josh Phillips, walked through the additional information provided for linear projects. Overall, he noted that there is a slight increase in impervious surfaces when all projects were added together, resulting in up to 6.18 additional pounds of total phosphorus (TP) loading from the project sites. However, he noted the Wirth Cart Paths Project added impervious surfaces that are disconnected from water resources and stormwater infrastructure. Additionally, the 494-Rockford Rd. interchange project used existing BMPs to treat runoff from the additional impervious surfaces. Therefore, of the 6.18 pounds of TP added, up to 94% is likely not reaching water resources. He also noted that many linear projects do incorporate water quality treatment measures that may not be reported to the Commission.

Commission Engineer Phillips then reviewed data and maps showing possible site constraints including depth to bedrock, depth to groundwater, drinking water supply management areas, surface karst, soil infiltration potential, and "what's in my neighborhood" locations. He noted that the data are broad and more detailed

information would be needed from city staff for each project if further analyses were ordered. He reviewed the cost estimates for gathering and analyzing more data indicating a range of \$4,000 - \$15,000 for additional water quality treatment data (analysis of “opportunities lost”) and \$2,500 - \$10,000 to further identify and analyze specific site constraints. He recommended not to proceed with further analyses due to expenses and the possible lack of a clear picture even after completion of more analyses.

Commissioner Harwell noted the extra information adds more context. She wondered about the sanitary sewer constraint (with respect to inflow and infiltration/I&I) and about the soils and infiltration (i.e., B/D soils and high infiltrating soils/> 8 in/hr). She also asked about historic reviews and exemptions.

To address Commissioner Harwell’s questions, Engineer Phillips reviewed Table 1 and noted that he didn’t map the sanitary sewer/I & I constraint data as he would have had to look into the I & I requirements of each city, which didn’t fit in the timeframe of this analysis. He then described the infiltration maps. As for historic exemptions for infiltration, he noted that a person could examine this by determining where infiltration has been successful. It is very common to see infiltration constraints with other projects. He noted that as constraints increase, so does the complexity.

Commissioner Harwell said this additional data drives home the point of what reality looks like on the ground with linear projects and why standards were changed. She agreed that no further analysis would be needed, but she thought this analysis was helpful.

There was a brief discussion about public water supplies in the area.

Commissioner Welch agreed that further analysis is not warranted, but wondered how to move forward. He brought up that private developers might be putting in considerable effort in trying infiltrate or incorporate volume control. He stated that it sounded like we shouldn’t have volume control anywhere. He said, “If I’m a private developer, this makes me mad.” He noted that other watersheds have lower thresholds for triggering requirements and that MIDS accounts for site constraints. He believed the Commission should change the standard and that the Commission Engineers could help determine what those standards should be. He suggested that this should be a future agenda item and that the Commission should get recommendations from the Engineer on linear project impervious surface thresholds for stormwater management requirements.

[Alternate Commission Noon leaves the meeting.]

Commissioner Harwell said linear projects are different than a typical development or redevelopment project and indicated her support of current requirements. Administrator Jester noted that the cost of best management practices constructed in areas other than linear projects would likely offer a better cost benefit and use of public money.

Commissioner Welch asked Engineers Herbert and Chandler whether they recommended a change to the linear standards. Engineer Herbert answered that the adopted standards are generally working and that water quality best management practices are being implemented. Engineer Chandler agreed with Engineer Herbert and said that future assessments would be useful and would warrant a discussion with the Technical Advisory Committee.

Commissioner Welch asked that the record to show that the thresholds that came out of our process of developing our regulatory framework and incorporating MIDS in 2015 produced a threshold for linear projects that was later changed without data or analysis. Further, he reiterated that MIDS does already account for the difference between linear projects and non-linear projects.

- C. Bassett Creek Flood Control Project (FCP)**
  - i. Receive Report on Bassett Creek Deep Tunnel Inspection**

Before the report from Commission Engineers, Administrator Jester noted a local news story about the Mississippi River draw down and the inspection and a short video she recorded of Engineer Herbert describing the tunnel entrance. She reported that both will be available online.

Commission Engineer Herbert described the preliminary findings from the deep tunnel inspections, which were finally completed after three years of coordination with the Army Corps of Engineers. There were representatives from many agencies in attendance, including a standby rescue team. He described the cathedral arch shape of the tunnel that makes it more stable since the tunnel is in sandstone.

The inspection found various issues in the tunnel including minor cracks, infiltration stains, weeps, drips, and runs (continuous streams). There were also infiltration gushers, where the water was coming into the tunnel like a fountain. Engineer Herbert also showed deposits on tunnel walls and noted some voids behind the tunnel liner that should be addressed. He also stated that sediment accumulated in three of the four outlet bays that was also there 12 years ago. He noted that a full inspection report will be available in the coming months and that no urgent repairs are needed immediately.

[Commissioner Harwell leaves meeting. Alternate Commissioner McDonald Black takes over as voting member.]

There was discussion about the sediment blocking three of the bays at the outlet. It was noted that most of it is likely from the Mississippi River and not from the creek. There was a brief discussion about how to measure the voids behind the liners.

**ii. Review BCWMC Responsibilities for FCP Repairs**

Commission Attorney Anderson reviewed a memo regarding the Commission's responsibilities and liabilities for tunnel repairs. He stated that he reached the same conclusion that was reached in 2014. Although nothing contractually obligates the Commission to make these repairs, the Commission has established policies and funds for inspections and repairs. He recommended that the Commission follows its own policy.

Commission Engineer Chandler restated there needs to be records of repairs should there be a catastrophic situation. There was discussion about the cost of repairs and maintenance and possible cost sharing opportunities. Administrator Jester noted that seeking funding partners is a possibility.

Commissioner Welch said this is an obvious and important role for the Commission because this is a huge piece of infrastructure. He thought Engineer Chandler's comment was a good one to add to the analysis. He asked what the next steps were. Administrator Jester explained that we need to start planning for tunnel repairs, which starts with approving the recommendation in the next agenda item.

Engineer Chandler added that cities also need to perform and record maintenance on FCP components in their cities. Administrator Jester confirmed that the TAC has been reminded of this responsibility.

Commissioner Welch requested an update in January or February to check to see if the reports had been received by the cities. Administrator Jester clarified that the deep tunnel repairs are separate from the double box culvert repairs to be discussed next.

**iii. Review Estimated Costs for FCP Repairs**

Commission Engineer Herbert reviewed the cost estimate for repairs for the double box culvert which was inspected in October 2019, with a final report presented in June. The report detailed the observations made by the Commission Engineer and recommended repairs to the shear key joint material, crack sealing, deposit removal, and repairs to exposed reinforcement. The Commission approved that inspection report in June and directed the Commission Engineer to prepare an opinion

of cost for the repairs. He noted that it is expensive work because of the challenging access and that there are few bidders that can perform the work.

Commissioner Welch asked if cities would want to add their required Flood Control Project maintenance and repair to the box culvert repair work, so the work could be handled within one contract to perhaps lower costs. Engineer Herbert responded that he wasn't sure this would be a good idea because the double box culvert repairs are much different than other repairs further up in the watershed.

**MOTION:** Alternate Commissioner McDonald Black moved to approve the Commission Engineer's recommendations to plan for Bassett Creek Double Box Culvert repairs before 2025 and to add the repair project to the CIP. Commissioner Welch seconded the motion. Upon a rollcall vote, the motion carried 5-0 with the Cities of Crystal, Minnetonka, Robbinsdale, and St. Louis Park absent from the vote.

Chair Prom requested that the remaining agenda items be moved to the next meeting's agenda since few commissioners remained in the meeting and there were issues with audio. Commissioner Welch asked that commissioners be reminded on the importance of attending meetings.

**6. COMMUNICATIONS**

**A. Administrator's Report** - Administrator Jester gave a quick reminder that next month's meeting is on a Wednesday (November 18<sup>th</sup>) and that there is an upcoming Metro MAWD meeting that she encouraged commissioners to attend.

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

- A. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- B. CIP Project Updates
- C. 2020 BCWMC Administrative Calendar
- D. Hennepin County Climate Plan Presentation
- E. WCA Notice of Application, Golden Valley

**8. ADJOURNMENT**

Chair Prom adjourned the meeting at 10:43 a.m.

**Upcoming Meetings & Events**

- Metro MAWD Meeting: Tuesday October 20th, 7:00 p.m. (online, watch for more information)
- Bassett Creek Watershed Mgmt. Commission Meeting: WEDNESDAY November 18th, 8:30 a.m. online
- Minnesota Water Resources Conference: October 20 – 21; Online <https://ccaps.umn.edu/minnesotawater-resources-conference>

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Signature/Title                      Date

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Signature/Title                      Date

Bassett Creek Watershed Commission  
 General Fund (Administration) Financial Report  
 Fiscal Year: February 1, 2020 through January 31, 2021  
 MEETING DATE: November 18,2020

Item 4B.  
 BCWMC 11-18-20  
 Full Document Online

(UNAUDITED)

<b>BEGINNING CASH BALANCE</b>	<b>9-Oct-2020</b>	34,860.62	
Transfer to 4M Fund			
	<b>Total Cash Balance</b>		<b>49,423.52</b>
<b>BEGINNING INVESTMENT BALANCE</b>		550,000.00	
Transfer from Cash			
	<b>Total Investment Balance</b>		<b>550,000.00</b>
			<b>599,423.52</b>
<b>ADD:</b>			
<b>General Fund Revenue:</b>			
Interest less Bank Fees-Wells Fargo		(18.23)	
Interest Earnings - 4M Funds		103.12	
<b>Total Interst Earnings</b>			84.89
<b>Other:</b>			
WOMP Grant - Metropolitan Council			0.00
<b>Permits:</b>			
Access Development	2020-25	1,500.00	
Van Heest	2020-26	500.00	
Gerberding	2020-27	500.00	
Welling Management	2020-28	3,500.00	
Reimbursed Construction Costs		269,028.08	
	<b>Total Revenue and Transfers In</b>		<b>275,112.97</b>
<b>DEDUCT:</b>			
<b>Checks:</b>			
3344 Barr Engineering	October Services	116,084.74	
3345 Kennedy & Graven	September Legal	2,885.00	
3346 Keystone Waters LLC	October Services	7,074.00	
3347 Keystone Waters LLC	Meeting Expenses	208.68	
3348 Metro Blooms	Engagement and Outreach	3,663.79	
3349 Metro Blooms	Ripley Gardens/Venture Norht	18,957.96	
3350 Three Rivers Park District	APM/AIS Work	5,000.00	
3351 Wenck	WOMP	1,552.95	
3352 Lawn Chair Gardener	October Services	1,305.00	
3353 Solitude Lake Management	Sweeney Lake WQ	215,000.00	
	<b>Total Checks/Deductions</b>		<b>371,732.12</b>
Outstanding from previous month:			
3321 Catherine Cesnik	Training Reimbursement	160.00	
<b>ENDING BALANCE</b>	<b>18-Nov-2020</b>		<b>502,804.37</b>

Bassett Creek Watershed Commission  
 General Fund (Administration) Financial Report  
 Fiscal Year: February 1, 2020 through January 31, 2021  
 MEETING DATE: November 18,2020

(UNAUDITED)

	2020/2021 BUDGET	CURRENT MONTH	YTD 2020/2021	BALANCE
<b>OTHER GENERAL FUND REVENUE</b>				
ASSESSMENTS TO CITIES	550,450	0.00	550,451.00	(1.00)
PROJECT REVIEW FEES	50,000	6,000.00	51,500.00	(1,500.00)
WOMP REIMBURSEMENT	5,000	0.00	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	
<b>REVENUE TOTAL</b>	<b>662,450</b>	<b>6,000.00</b>	<b>660,022.89</b>	<b>55,999.00</b>
<b>EXPENDITURES</b>				
<b>ENGINEERING &amp; MONITORING</b>				
TECHNICAL SERVICES	130,000	17,360.50	117,972.64	12,027.36
DEV/PROJECT REVIEWS	75,000	4,964.00	77,572.75	(2,572.75)
NON-FEE/PRELIM REVIEWS	20,000	868.00	13,603.00	6,397.00
COMMISSION AND TAC MEETINGS	12,000	1,782.50	7,988.20	4,011.80
SURVEYS & STUDIES	10,000	0.00	0.00	10,000.00
WATER QUALITY/MONITORING	102,600	22,539.62	84,390.00	18,210.00
WATER QUANTITY	6,500	465.00	4,762.44	1,737.56
ANNUAL FLOOD CONTROL INSPECTIONS	12,000	32,944.50	51,814.50	(39,814.50)
REVIEW MUNICIPAL PLANS	2,000	90.00	1,350.00	650.00
WOMP	20,500	1,552.95	14,928.78	5,571.22
APM / AIS WORK	30,000	5,000.00	11,634.42	18,365.58
<b>ENGINEERING &amp; MONITORING TOTAL</b>	<b>420,600</b>	<b>87,567.07</b>	<b>386,016.73</b>	<b>34,583.27</b>
<b>PLANNING</b>				
Next Generation Plan Development	18,000	0.00	0.00	18,000.00
<b>MAINTENANCE FUNDS TOTAL</b>	<b>18,000</b>	<b>0.00</b>	<b>0.00</b>	<b>18,000.00</b>
<b>ADMINISTRATION</b>				
ADMINISTRATOR	69,200	7,074.00	46,926.00	22,274.00
MN ASSOC WATERSHED DIST DUES	500	0.00	500.00	0.00
LEGAL COSTS	15,000	2,885.00	12,956.43	2,043.57
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	208.68	432.18	1,067.82
ADMINISTRATIVE SERVICES	15,000	742.50	7,971.70	7,028.30
<b>ADMINISTRATION TOTAL</b>	<b>122,700</b>	<b>10,910.18</b>	<b>87,470.31</b>	<b>35,229.69</b>
<b>OUTREACH &amp; EDUCATION</b>				
PUBLICATIONS/ANNUAL REPORT	1,300	0.00	1,000.00	300.00
WEBSITE	1,000	0.00	724.50	275.50
PUBLIC COMMUNICATIONS	1,000	0.00	1,112.59	(112.59)
EDUCATION AND PUBLIC OUTREACH	22,000	4,226.29	30,363.67	(8,363.67)
WATERSHED EDUCATION PARTNERSHIPS	15,850	0.00	9,850.00	6,000.00
<b>OUTREACH &amp; EDUCATION TOTAL</b>	<b>41,150</b>	<b>4,226.29</b>	<b>43,050.76</b>	<b>(1,900.76)</b>
<b>MAINTENANCE FUNDS</b>				
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
<b>MAINTENANCE FUNDS TOTAL</b>	<b>50,000</b>	<b>0.00</b>	<b>0.00</b>	<b>50,000.00</b>
<b>TMDL WORK</b>				
TMDL IMPLEMENTATION REPORTING	10,000	0.00	85.00	9,915.00
<b>TMDL WORK TOTAL</b>	<b>10,000</b>	<b>0.00</b>	<b>85.00</b>	<b>9,915.00</b>
<b>TOTAL EXPENSES</b>	<b>662,450</b>	<b>102,703.54</b>	<b>516,622.80</b>	<b>145,827.20</b>

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

(UNAUDITED)

Cash Balance 11/08/2020			
<b>Cash</b>	Transfer to purchase investments		
	<b>Total Cash</b>		0.00
<b>Investments:</b>	Minnesota Municipal Money Market (4M Fund)	4,015,388.47	
	Dividends-Current	65.15	
	<b>Total Investments</b>		<u>4,015,453.62</u>
	<b>Total Cash &amp; Investments</b>		4,015,453.62
<b>Add:</b>	Interest Revenue (Bank Charges)	0.00	
	State of MN - Pollution Control Agency - Sweeney Lake (SL-8)	0.00	
	<b>Total Revenue</b>		0.00
<b>Less:</b>	CIP Projects Levied - Current Expenses - TABLE A	(230,825.75)	
	Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B	(19,034.87)	
	<b>Total Current Expenses</b>		<u>(249,860.62)</u>
	<b>Total Cash &amp; Investments On Hand 11/8/2020</b>		<u><u>3,765,593.00</u></u>
	Total Cash & Investments On Hand	3,765,593.00	
	Current Anticipated Levy -2020 (July 20/Dec 20/Jan 21)	728,701.70	
	CIP Projects Levied - Budget Remaining - TABLE A	(4,257,323.65)	
	Secured Grant Funds (CIP Projects Levied)-Not yet received	710,060.00	
	2021 Expected Levy for 2020/2021 Projects	630,080.00	
	<b>Closed Projects Remaining Balance</b>	<b>1,577,111.05</b>	
	2015 - 2018 Anticipated Tax Levy Revenue - TABLE C	2,288.14	
	2019 Anticipated Tax Levy Revenue - TABLE C	4,953.76	
	<b>Anticipated Closed Project Balance</b>	<b>1,584,352.95</b>	
	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
<b>Projects Completed-to be removed at year end</b>								
Northwood Lake Pond (NL-1) - <b>FINALLED</b>	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) - <b>FINALLED</b>	863,573	627,329	0.00	627,329.10	0.00	435,468		
Close Project - funds to Closed Project Fund	(236,244)							
<b>Current Projects</b>								
Four Seasons Mall Area Water Quality Proj (NL-2)	990,000	1,497.00	8,978.00	184,009.56	805,990.44			
<b>2014</b>								
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			
<b>2017</b>								
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	
<b>2018</b>								
Bassett Creek Park & Winnetka Ponds Dredging (BCP-2)	1,000,000							
Mar-19 Budget Adj	114,301							
Mar-19 From Channel Maint	9,050	0.00	3,500.00	1,066,648.32	56,702.68			
<b>2019</b>								
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			
<b>2020</b>								
Bryn Mawr Meadows (BC-5)	912,000	318.50	1,178.50	98,865.53	813,134.47	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	229,010.25	310,085.21	311,235.21	256,844.79	9,771	325,473	218,080
	<u>9,823,375</u>	<u>230,825.75</u>	<u>1,288,989.56</u>	<u>5,566,051.83</u>	<u>4,257,323.65</u>	<u>244,058</u>	<u>710,060.00</u>	<u>630,080.00</u>

**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
<b>2021</b>					
Main Stem Dredging Project (BC-7)	3,259,000	2,228.00	37,177.00	79,371.72	3,179,628.28
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	2,228.00	76,152.40	172,912.76	3,830,787.24
<b>2022</b>					
DeCola Ponds/Wildwood Park/SEA School Flood Control (BC-2,3,8,10)	0	1,949.50	5,174.89	5,174.89	(5,174.89)
Medley Park Stormwater Treatment Feasibility (ML-12)	0	14,857.37	28,479.06	30,152.56	(30,152.56)
2022 Project Totals	0	16,806.87	33,653.95	35,327.45	(35,327.45)
Total Proposed & Future CIP Projects to be Levied	4,003,700	19,034.87	109,806.35	208,240.21	3,795,459.79

**BCWMC Construction Account**

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

(UNAUDITED)

November 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
<b>TMDL Studies</b>					
TMDL Studies	135,000.00	0.00	0.00	107,850.15	27,149.85
TOTAL TMDL Studies	135,000.00	0.00	0.00	107,850.15	27,149.85
<b>Flood Control Long-Term</b>					
Flood Control Long-Term Maintenance	694,573.00	210.00	13,735.00	419,111.91	
Less: State of MN - DNR Grants		0.00	(3,231.50)	(145,078.40)	
	694,573.00	210.00	10,503.50	274,033.51	420,539.49
<b>Annual Flood Control Projects:</b>					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
<b>Annual Water Quality</b>					
Channel Maintenance Fund	415,950.00	0.00	11,453.70	267,073.30	148,876.70
<b>Metro Blooms Harrison Neighborhood CWF Grant Project</b>					
BWSR Grant	134,595.00	18,957.96	18,957.96	106,850.85	27,744.15
	134,595.00	18,957.96	18,957.96	(67,298.00)	(67,298.00)
	134,595.00	18,957.96	18,957.96	39,552.85	
Total Other Projects	1,880,118.00	19,167.96	40,915.16	621,211.81	1,057,012.19



**PAYMENT REQUEST FORM**

**Sweeney Lake Alum Treatment Phase I**

Owner: Bassett Creek Watershed Management Commission  
Class of Work: Chemical Treatment  
Project Location: Hennepin County, Minnesota

**PAY ESTIMATE NO.1**

Original Contract Amount.....	\$ <u>215,000</u>
Contract Changes approved to Date (List Change Order Numbers).....	\$ _____
Revised Contract Price .....	\$ _____
Work Completed to Date (see attached) *.....	\$ <u>215,000</u>
Retainage to Date, 5%.....	\$ _____
Work Completed to Date Less Retainage to Date .....	\$ <u>215,000</u>
Total Amount Previously Certified .....	\$ _____
Payment Request This Estimate .....	\$ <u>215,000</u>

**\* See attached invoice summarizing completed work and associated costs.**

**CERTIFICATE OF CONTRACTOR**

I hereby certify that the work and the materials supplied to date, as shown on the attached Request for Payment, represents the actual value of accomplishment under the terms of the contract dated October 23, 2020\_ between Bassett Creek Watershed Management Commission (OWNER) and Solitude Lake Management (CONTRACTOR) and all authorized changes thereto.

By Dominic Meringolo  
Title Project Manager

Approval:

(CONTRACTOR)

Dominic Meringolo Date 11/9/2020

(ENGINEER)

[Signature] Date 11/10/2020

(BASSETT CREEK WATERSHED MANAGEMENT COMMISSION)

\_\_\_\_\_ Date \_\_\_\_\_

# SOLITUDE

## LAKE MANAGEMENT

Voice: (888) 480-LAKE • Fax: (888) 358-0088

Invoice Number: Project Invoice  
 Invoice Date: 11/09/20

PROPERTY: Bassett Creek  
 Watershed Mgmt  
 Commission –  
 Sweeney Lake

**SOLD TO:** Bassett Creek Watershed Management Commission  
 c/o Laura Jester, Keystone Waters LLC  
 16145 Hilcrest Lane  
 Edina, MN 55346

Customer ID	Customer PO	Payment Terms	
11313		Net 30	
Sales Rep ID	Shipping Method	Ship Date	Due Date
Jennifer Bonzani			12/09/20

Qty	Item / Description	Unit Price	Extension
	Sweeney Lake Alum Treatment Phase I *****		
1	Mobilization / Demobilization Perform Alum application at Sweeney Lake from 10/26/20 through 11/05/20.	35,105.00	35,105.00
35,800	Aluminum Sulfate, per gallon	3.16	113,128.00
17,900	Sodium Illuminat, per gallon	3.73	66,767.00

PLEASE REMIT PAYMENT TO:  
 SOLitude Lake Management, LLC  
 1320 Brookwood Drive, Suite H  
 Little Rock, AR 72202

Subtotal	215,000.00
Sales Tax	0.00
Total Invoice	215,000.00
Payment Received	0.00
<b>TOTAL</b>	<b>\$ 215,000.00</b>





Item 4E.  
BCWMC 11-18-20

## Bassett Creek Watershed Management

November 18, 2020

Mississippi Watershed Management Organization  
Att: Public Comments 10-Year Plan Update  
2522 Marshall Street NE  
Minneapolis, Minnesota 55418-3329

Dear Mr. Kalmon,

Thank you for the opportunity to review the Mississippi WMO's Watershed Management Plan 2021-2031. The BCWMC reviewed the plan specifically for references to Bassett Creek and the Bassett Creek tunnel. We appreciate the inclusion of information in Section 2.1 History, and Section 4.5.2 Surface Water/Water Resources regarding the old and new Bassett Creek tunnels and the requirements of the 2000 Joint and Cooperative Agreement between the MWMO and the BCWMC that apply to the tunnels. We also appreciate the MWMO's stated intent to coordinate with the BCMWC on the design of the "Old Bassett Creek Tunnel: Water quality and water conservation improvements" project and the reference to the 2000 Joint and Cooperative Agreement (from Section 6.1 Capital Improvement Schedule).

We look forward to cooperating with the MWMO on future projects or programs where our goals and actions are aligned. Please let me know if you have any questions at 952-270-1990 or [laura.jester@keystonewaters.com](mailto:laura.jester@keystonewaters.com).

Sincerely,

A handwritten signature in cursive script that reads "Laura Jester".

Laura Jester  
Administrator





## Memorandum

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4F: 4930 Markay Ridge Retaining Wall (Van Heest Property)  
Golden Valley, MN  
BCWMC November 18, 2020 Meeting Agenda  
**Date:** November 10, 2020  
**Project:** 23270051.48 2020 2231

### 4F 4930 Markay Ridge Retaining Wall (Van Heest Property) - Golden Valley, MN BCWMC 2020-26

#### Summary:

**Proposed Work:** Single-family home retaining wall and deck replacement

**Basis for Review at Commission Meeting:** Work in the floodplain

**Impervious Surface Area:** No change

**Recommendation:** Approval

#### General Project Information

The proposed project is in the Bassett Creek Main Stem subwatershed at a single-family home at 4930 Markay Ridge in Golden Valley. The proposed project includes removal and replacement of a retaining wall, wood deck, and pool deck resulting in 1,540 square feet of disturbance. The proposed project will not result in any change in impervious surfaces.

#### Floodplain

The proposed project includes work in the BCWMC 1% (base flood elevation, 100-year) floodplain of Bassett Creek. The October 2019 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The 1% (base flood elevation, 100-year) floodplain elevation of Bassett Creek adjacent to the project is 842.8 feet NAVD88. A portion of the existing retaining wall is in the 100-year BCWMC floodplain. The existing retaining wall will be removed and replaced in the same location, therefore no cut or fill is proposed in the floodplain.

#### Wetlands

The City of Golden Valley is the local government unit (LGU) responsible for administering the Wetland Conservation Act; therefore, BCWMC wetland review is not required.

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4F: 4930 Markay Ridge Retaining Wall (Van Heest Property)  
**Date:** November 10, 2020  
**Page:** 2

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### **Rate Control**

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

### **Water Quality**

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

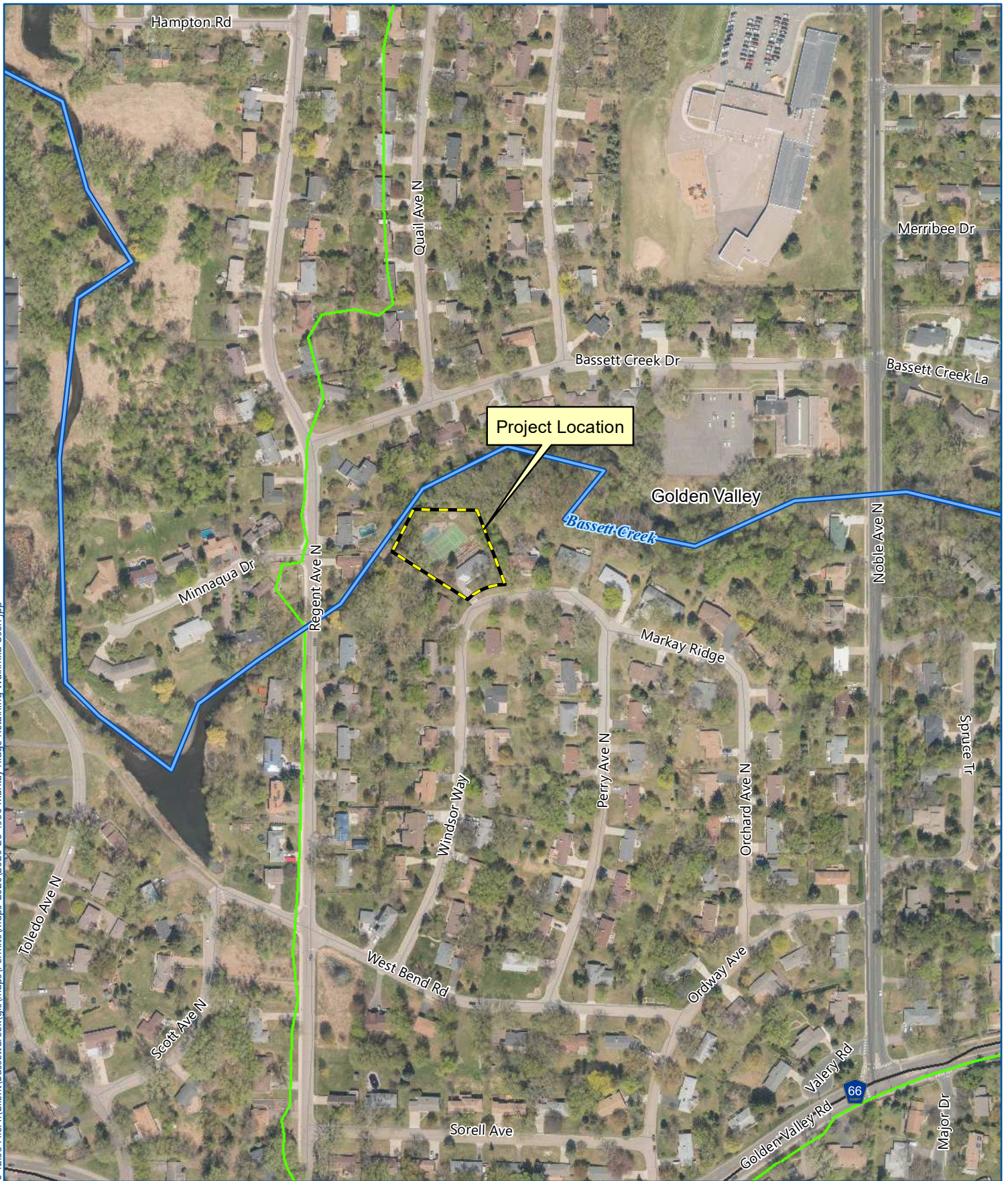
### **Erosion and Sediment Control**

Single family homes are exempt from BCWMC erosion and sediment control requirements.

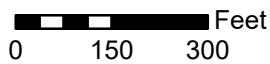
### **Recommendation**

Approval





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



BCWMC #2020-26  
 4930 MARKAY RIDGE  
 RETAINING WALL  
 Golden Valley, MN

**LOCATION MAP**





## Memorandum

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4G: 1875 Kyle Place Shoreline Improvements (Gerberding Property)  
Golden Valley, MN  
BCWMC November 18, 2020 Meeting Agenda  
**Date:** November 10, 2020  
**Project:** 23270051.48 2020 2232

### 4G 1875 Kyle Place Shoreline Improvements (Gerberding Property) – Golden Valley, MN BCWMC 2020-27

#### Summary:

**Proposed Work:** Single-family home shoreline improvements

**Basis for Review at Commission Meeting:** Work in the floodplain and shoreline improvements

**Impervious Surface Area:** No change

**Recommendation:** Approval

#### General Project Information

The proposed project is located in the Sweeney Lake subwatershed at 1875 Kyle Place in Golden Valley, MN. The applicant proposes to improve the Sweeney Lake shoreline along their property by placing fieldstone riprap, native plantings, and wildflowers along the shoreline. The proposed project does not result in any change of impervious surfaces.

#### Floodplain

The proposed project includes work in the BCWMC (Sweeney Lake) 1% (base flood elevation, 100-year) floodplain. The October 2019 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The 1% (base flood elevation, 100-year) floodplain elevation of Sweeney Lake is 831.9 feet NAVD88. The project proposer indicated that soil will be removed along the shoreline prior to placement of riprap boulders in order to provide a net zero cut-fill balance and ensure no loss of floodplain storage.

#### Lakes, Streams, and Wetlands

The proposed project includes shoreline improvements along Sweeney Lake that triggers review by the Commission. As part of the proposed project, a filter and 6"-30" riprap boulders will be installed along the shoreline. The riprap will be installed from elevation 826.2 (approximately 1 foot below the current

**To:** Bassett Creek Watershed Management Commission (BCWMC)  
**From:** Barr Engineering Co. (Barr)  
**Subject:** Item 4G: 1875 Kyle Place Shoreline Improvements (Gerberding Property)  
**Date:** November 10, 2020  
**Page:** 2

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water level) to elevation 828.7 (approximately 1.5 feet above the current water level), which will be a width along the shoreline of approximately 6 feet. The City of Golden Valley is the local government unit (LGU) responsible for administering the Wetland Conservation Act; therefore, BCWMC wetland review is not required.

### **Rate Control**

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

### **Water Quality**

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






### **Erosion and Sediment Control**

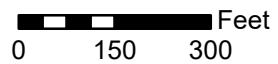
Single family homes are exempt from BCWMC erosion and sediment control requirements.

### **Recommendation**

Approval



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



BCWMC #2020-27  
 1875 KYLE PLACE  
 SHORELINE IMPROVEMENTS  
 Golden Valley, MN

**LOCATION MAP**





## Pre-Conference Workshops Tuesday, December 1, 2020

### Introduction to Minnesota Public Drainage Law

Join drainage professionals for an introduction of the newly updated Understanding MN Public Drainage Law Handbook and Overview. To view these documents in advance of the workshop, visit the website: <http://bwsr.state.mn.us/understanding-minnesota-public-drainage-law>.

8:30	Welcome/Introduction	
8:35	Background/History/Handbook	Al Kean, former BWSR Drainage Engineer
9:10	Roles and Responsibilities – Part 1	Craig Austinson, Blue Earth County
9:40	Roles and Responsibilities – Part 2	Merissa Lore, Faribault County
10:10	Break	
10:20	Drainage Project Proceedings	Chuck Brandel, ISG
10:50	Repair and Other Proceedings	Chris Otterness, Houston Engineering
11:20	Break	
11:30	Authorities, Jurisdiction, and Records	Watershed District Administrator
12:00	Due Process in Drainage Law	Kale Van Bruggen, Rinke-Noonan
12:25	Closing and Next Steps	

### Financing Watershed Projects

Join watershed administrators from across the state to explore options for financing watershed projects that go beyond the general levy. Topics include:



1:00	Welcome/Introduction	
1:05	Project Tax Levies	Margaret Johnson, Middle Fork Crow River WD
1:30	Local Sales Tax Option	Andy Henschel, Shell Rock River WD
2:00	Water Management Districts	Tera Guetter, Pelican River WD
2:30	Bonding	Mark Doneux, Capitol Region WD
3:00	Break	
3:15	Additional Grants and Funding Options	Margaret Johnson, Middle Fork Crow River WD
3:45	Lessard SAMS Outdoor Heritage Council	Scott Henderson, Sauk River WD
4:15	Public Facilities Authority	Rebecca Carlson, Clearwater River WD
4:45	Closing	

**To register, visit <https://pheedloop.com/mawd2020/site/>**

**\$199 registration includes an all-access pass to the December 1-4 live sessions and events plus on-demand access starting December 7, 2020.**



# MAWD Annual Convention Schedule

**Wednesday, December 2, 2020**

Welcome to the MAWD Annual Convention! We hope you enjoy this year's lineup of presentations and fun activities. Each presentation will be pre-recorded but will feel live with each presenter being available for live chat sessions. We look forward to seeing you online!

## **Noon Welcome and Keynote Speaker (TBD)**

### **1:00 Sessions (Tracks: Climate, River Restorations, Watershed Management Strategies)**

- Climate Change Initiatives in Minnesota and Wisconsin
- Stream Meander Restoration in an Urban Creek
- Implementing Groundwater Management Planning into Watershed Plans

## **1:30 VENDOR SHOWCASE – Thank you to Platinum Sponsor EOR**

### **2:00 Sessions (Tracks: Climate, River Restoration, Watershed Management Strategies)**

- Changing Climate and Changing Waters: What We Must Do to Save Them
- Phased Project Implementation – Managing Water One Step at a Time
- Balancing Flood Damage Reduction, Water Quality Needs in the Red River Basin

### **2:30 Sessions (Tracks: Climate, River Restorations, Watershed Management Strategies)**

- Where to Begin? Identifying and Prioritizing Flood-Risk Mitigation Projects
- If You Build It, They Will Come: Pelican River Low Head Dam Case Study
- Moving from One Watershed Planning to Implementation

## **3:00 VENDOR SHOWCASE – Thank you to Platinum Sponsor Houston Engineering**

### **3:30 Sessions (Tracks: Special Projects, Retention/Drainage Solutions, Clean Water Fund)**

- Urban Meet Rural: Stormwater Management Alternatives for Solar Garden Sites
- Strategies for Implementing Storage into Public Drainage Systems
- Achieving the Public's Expectations for Water Quality in Minnesota

### **4:00 Sessions (Tracks: Special Projects, Retention/Drainage Solutions, Clean Water Fund)**

- Shields Lake Stormwater Reuse and Alum Treatment
- May I Have Your Attention for Retention?
- Clean Water Fund and Clean Water Council Update

## **4:30 VENDOR SHOWCASE – Thank you to **\*\*New\*\*** Platinum Sponsor ISG**

**5:00 Regional Meetings** – Discuss regional issues and vote for your region's MAWD Board of Directors representative.

**5:30 Night at the Movies** – Watch our very own watershed movies and vote for your favorite by Thursday 8 pm. The 2019 Best Picture - Night at the Movies Traveling Trophy winner was Capitol Region Watershed District. Congrats!





# MAWD Annual Convention Schedule

**Thursday, December 3, 2020**

- Noon Sessions (Tracks: Technology Tools, Partnerships, Research & Studies)**
- Innovative Solutions Utilizing XPSWMM for Flood Mitigation
  - Raising the Grade: Seeking Solutions to Improve the Health of the Mississippi River
  - Minnesota Stormwater Research Council - Background and Highlights
- 12:30 VENDOR SHOWCASE – Thank you to Platinum Sponsor Wenck**
- 1:00 Sessions (Tracks: Technology Tools, Partnerships, Research & Studies)**
- Effective Uses for the PTM App in Watershed Planning and Implementation
  - Delivering a Watershed-based Public Private Partnership to Achieve Shared Goals
  - Planning for Resiliency: Natural Asset Valuation in a Changing World
- 1:30 Sessions (Tracks: Technology Tools, Outreach & Inclusion, Research & Studies)**
- The Water We Move: Pumps and Pumping of Drainage and Storm Water
  - Stretching Outreach Budgets by Partnering with the Blue Thumb Program
  - St. Anthony Regional Scale Stormwater Treatment and Research Facility
- 2:00 VENDOR SHOWCASE – Thank you to Platinum Sponsor Moore Engineering**
- 2:30 Sessions (Tracks: Technology Tools, Outreach & Inclusion, Urban Projects)**
- Improve Remote Collaboration While Lowering Costs Using Open Source Software
  - Capitol Region Watershed District: 2020-2025 Diversity, Equity, and Inclusion Plan
  - Success, Failures, and Evolution of a Low Impact Development Precedent
- 3:00 Sessions (Tracks: State/Federal Updates, Advanced Project Development, Urban Projects)**
- Minnesota's 2020 State Water Plan: Water and Climate
  - Complex Project Development: A Case Study of Lake Traverse Water Quality Project
  - Parkview Center School Filtration BMP: Case Study for Coordination and Cost Savings
- 3:30 VENDOR SHOWCASE – Thank you to Platinum Sponsor Barr Engineering**
- 4:00 Sessions (Tracks: State/Federal Updates, Advanced Project Development, Urban Projects)**
- US Army Corps of Engineers, St. Paul District Regulatory Program Overview & Updates
  - Using Future Hydrology Planning to Achieve Watershed Goals
  - Virtual Tour of Allianz Field's Stormwater Management Systems
- 4:30 Awards Program –** It won't be the same as getting dressed up and having a wonderful meal together, but we still need to recognize each other's outstanding achievements! Awards include: Best Program, Best Project, Administrator of the Year, Employee of the Year, and Traveling Trophies for Education and Best Picture
- 5:30 Happy Hour Trivia –** Play trivia with your fellow watershed friends online! We tried this out at another water conference, and it was so much fun! **Please join us!** (1 hr)



## MAWD Annual Business Meeting

**Friday, December 4, 2020**

The MAWD Membership meets annually to discuss official business including approving a budget for Fiscal Year 2021 and voting on resolutions submitted by members and/or the MAWD Board. This year, we will be discussing eight resolutions that you should have received from your administrator. Each watershed is given two delegates that may vote during the meeting. The agenda is included below. A full meeting packet will be distributed no later than one week in advance of the meeting.

- 9:00 **Welcome**
- 9:10 **MAWD Reports** (President, Secretary, Treasurer, Executive Director)
  - Approve 2019 Minutes, FY2021 Budget, and Report of the Auditor
- 9:45 **Agency Reports** (BWSR, DNR, MPCA)
- 10:15 **Break**
- 10:30 **Resolutions Hearing**
  - Debate and Vote on 2020 Proposed Resolutions
- 12:00 **Adjournment** / End of Convention

## MAWD Regional Meetings

**Wednesday, December 2, 2020**

MAWD watersheds are divided into 3 geographic regions and each region has three representatives on the MAWD Board of Directors. Regional meetings must be held at least annually to elect members to 3-year terms on the MAWD Board of Directors. Each watershed has 2 delegates that may vote in the elections. Here are the current [board members](#) and their terms.

### **Region 1 Board Members:** (Red River Valley)

Linda Vavra, Bois de Sioux WD – term expires 2020  
Gene Tiedemann, Red Lake WD – term expires 2021  
Peter Fjestad, Buffalo Red River WD – term expires 2022

### **Region 2 Board Members:** (Rural, non-Red River Valley)

Tim Dritz, Yellow Medicine River WD – term expires 2020  
Wanda Holker, Upper Minnesota River WD – term expires 2021  
Ruth Schaefer, Middle Fork Crow River WD – term expires 2022

### **Region 3 Board Members:** (Metro WDs/WMOs)

Mary Texer, Capitol Region WD – term expires 2020  
Jackie Anderson, Comfort Lake Forest Lake WD – term expires 2021  
Sherry Davis White, Minnehaha Creek WD – term expires 2022



Item 5Bii.  
BCWMC 11-18-20

Minnesota Association of Watershed Districts, Inc.  
www.mnwatershed.org

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**Minnesota Association of Watershed Districts, Inc.  
2020 Annual Convention and Trade Show  
December 1-4, 2020  
HELD VIRTUALLY**

**Member Meeting Materials**

Enclosed are the following items:

1. Notice of Annual and Regional Meetings
2. Delegate Appointment Form – please submit names [using this form](#)
3. Proposed Fiscal Year 2021 Budget
4. Resolutions Hearing Packet

This packet has been distributed to administrators via email. **Administrators – please distribute copies to your board members.** No paper copies of this packet will be sent via the U.S. Postal Service.

Note: a full meeting packet, including an agenda, previous meeting minutes, reports, and instructions for voting and accessing the meeting will be distributed to watershed administrators no later than one week prior to the Annual Meeting.

**We are looking forward to seeing you online at this year's convention!**



Minnesota Association of Watershed Districts, Inc.  
www.mnwatershed.org

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## **MN Association of Watershed Districts, Inc. 2020 Annual and Regional Meeting Notice**

Date of Notice: November 2, 2020

NOTICE IS HEREBY GIVEN that the 2020 Regional Meetings of the Minnesota Association of Watershed Districts, Inc. will be held virtually, beginning at 5:00 p.m. on Wednesday, December 2, 2020 for the purpose of electing three members to the MAWD Board of Directors, one from each region, for terms ending in 2023.

NOTICE IS HEREBY GIVEN that the 2020 Annual Meeting of the Minnesota Association of Watershed Districts, Inc. will be held virtually, beginning at 9:00 a.m. on Friday, December 4, 2020 for the following purposes:

1. To receive and accept the reports of the President, Secretary, and Treasurer regarding the business of the association of the past year;
2. To receive the report of the auditor;
3. To consider and act upon the Fiscal Year 2021 budget;
4. To consider and act upon proposed resolutions;
5. To consider and act upon any other business that may properly come before the membership.

Sincerely,

---

Ruth Schaefer  
MAWD Secretary

*NOTE: Instructions on how to access the virtual meetings will be provided one week before the meeting.*



## MN Association of Watershed Districts, Inc. 2020 Delegate Appointment Form

The \_\_\_\_\_ hereby certifies that it is  
*name of watershed organization*

a watershed district or watershed management organization duly established and in good standing pursuant to Minnesota Statutes 103B or 103D and is a member of the MN Association of Watershed Districts, Inc. (MAWD) for the year 2020.

The \_\_\_\_\_ hereby further certifies  
*name of watershed organization*

the following individuals have been appointed as delegates, or as an alternate delegate, all of whom are managers in good standing with the organization.

**Delegate #1:** \_\_\_\_\_  
Name Email Address

**Delegate #2:** \_\_\_\_\_  
Name Email Address

**Alternate:** \_\_\_\_\_  
Name Email Address

Authorized by: \_\_\_\_\_  
Signature Date  
\_\_\_\_\_  
Title

Minnesota Association of Watershed Districts  
Statement of Financial Position  
October 1, 2019 through September 30, 2020

Prepared 9/16/2020  
Modified 10/29/2020

	FY2021	FY2020	FY2020	FY2019	FY2018
		Oct '19-Sep '20	Oct '19-Sep '20	Oct '18-Sep '19	Oct '17-Sep '18
<b>INCOME</b>	<b>Budget</b>	<b>BUDGET</b>	<b>FY 2020 ACTUAL</b>	<b>FY 2019 ACTUAL</b>	<b>FY2018 ACTUAL</b>
Dues - Watershed District Members	224,673	221,500	221,482	214,668	218,421
Dues - Associate Members (WMOs)	15,000	2,500	2,000	2,000	
Annual Convention					
Annual Meeting Registrations	53,400	55,000	71,200	57,525	59,129
Annual Trade Show and sponsorships	32,340	40,000	43,120	43,700	21,655
Pre Conference Workshop: Drainage	9,263	6,500	12,350	13,430	6,800
Pre Conference Workshop: Administration	1,725	2,400	2,300	0	2,550
Pre Conference Workshop: Managers	2,468	2,400	3,290	0	2,295
Annual Meeting - Other/Prior Year	0	0	5,747		
Legislative Day at the Capitol	8,000	8,000	0	6,275	8,185
Summer Tour	26,250	18,000	0	18,100	18,891
MAWD Workshops	2,500	2,500	0	0	0
Interest	100	100	43	51	77
<b>TOTAL REVENUES</b>	<b>375,718</b>	<b>358,900</b>	<b>361,532</b>	<b>355,749</b>	<b>338,003</b>
<b>EXPENSES</b>					
<b>Administration &amp; Program Management</b>					
General Administration - Staff	69,800	67,500	66,147	62,099	70,747
Benefits /Taxes for Salaried Employees	30,000	30,000	24,028	21,348	15,069
Administrative and Communications Support - Contract	21,000	20,000	5,200	0	
Event Management - Contract	33,600	32,000	32,001	39,753	48,835
<b>Legislative Affairs</b>					
Lobbying - Staff (includes Administrative Lobbying)	31,500	30,000	29,028	29,926	
Lobbying - Contracted Services	42,000	40,000	40,000	40,258	48,251
Lobbyist Expenses	1,000	1,000	259	1,174	1,395
<b>Professional Services</b>					
Legal Fees	2,000	2,000	208	0	1,377
Accounting and Audit Fees	8,500	8,000	8,050	6,850	4,650
Insurance	1,800	1,800	1,963	1,783	1,645
<b>Office Expenses</b>					
Rent	4,800	4,800	4,800	3,200	2,400
Mileage and General Office Expenses	11,250	11,250	6,723	11,741	11,965
Dues, Other Organizations	750	500	385	440	
Other Special Items	2,500				
Memorials	250	250	0	0	50
<b>Board and Committee Meeting</b>					
Per Diems and Expenses - Directors	20,000	20,000	18,504	14,100	16,448
Board and Committee Meeting Expenses	1,000	1,000	121	774	1,081
<b>Special Projects</b>					
WD Handbook, Surveys, rebranding, etc	10,000	6,000	0	0	
<b>Education and Events</b>					
Annual Convention					
Annual Meeting	25,000	45,000	49,734	44,640	45,073
Annual Trade Show		5,000	411	3,270	8,631
Pre Conference Workshop: Drainage		4,000	0	3,967	2,871
Pre Conference Workshop: Administration		1,200	149	1,140	587
Pre Conference Workshop: Managers		1,500	0	1,445	1,754
Legislative Breakfast	5,500	5,500	789	5,133	6,246
Summer Tour	25,450	12,500	0	7,795	9,483
Credit Card Processing Fees	4,000	3,700	3,914	4,042	3,020
Special Workshops	2,500	2,500	0	0	
<b>TOTAL EXPENSES</b>	<b>354,200</b>	<b>357,000</b>	<b>292,415</b>	<b>304,877</b>	<b>301,578</b>
<b>REVENUES OVER (LESS THAN) EXPENSES</b>	<b>21,518</b>	<b>1,900</b>	<b>69,117</b>	<b>50,872</b>	<b>36,425</b>
<b>STATEMENT OF NET POSITION</b>					
Assets, Cash and Equivalents, actual			325,921	323,522	217,704
Deposits received - deferred, prepaid expenses			962	(54,109)	
Liabilities, accounts payable, taxes payable			(23,369)	(35,185)	(34,352)
<b>ENDING NET ASSETS</b>			<b>303,514</b>	<b>234,228</b>	<b>183,352</b>

# Resolutions Hearing Packet

See resolution background with online documents



DATE: November 2, 2020  
TO: MAWD members  
FROM: MAWD Board and Resolutions Committee

## RE: Resolutions Hearing

The Resolutions Committee met online at 2 p.m. on Friday, September 18, 2020 to review the resolutions submitted by MAWD members this year. There were six resolutions: one was a renewal of a resolution that was set to expire, two were repeats from last year, and 3 were new. The MAWD Board recommended two resolutions at their board meeting on September 25<sup>th</sup> meeting that were reviewed by the committee via email. The committee feedback is summarized in the table below and are discussed further after each resolution. Members (2 delegates from each watershed organization) will vote on the resolutions at the annual business meeting on December 4, 2020.

As a reminder, the objective of the resolutions committee is to complete the following tasks:

1. Determine if any proposed resolutions are duplicative of current policy. If so, they should not be forwarded to the members for a vote at the annual meeting.
2. Determine if any resolutions are so similar that they should be combined into one. If so, MAWD staff will work with the watersheds who submitted the resolutions to rewrite them into one resolution.
3. Determine if the “THEREFORE, BE IT RESOLVED” statements are written in a way that directs HOW or WHEN to do the work. If so, the committee should propose new language that simply states what the organization supports or opposes.
4. Debate the merits of each resolution and make recommendations to the membership on whether each resolution should be adopted or rejected. A summary committee position is forwarded to members with the resolutions. Note: the committee is not responsible to determine if MAWD resources are to be allocated for an issue. The committee only recommends whether the resolution fits the mission of MAWD and its members. If a resolution is adopted as MAWD policy, it just means we support the idea. It is up to the MAWD Board to determine how much time, money, and energy is put behind each area.

## Resolutions Committee Recommendations

#	Resolution Title	Committee Recommendation
1	Creating an Easier Appeals Process for Corrections to the Public Waters Inventory	Support
2	Limiting Wake Boat Activities that Directly Cause Shoreline Erosion and Spread Aquatic Invasive Species	Oppose – voted down Dec 2019
3	Banning the Use of Carcinogenic Pesticides and Herbicides on Residential and Commercial Lawns	Oppose – voted down Dec 2019
4	Requiring Soil Health Goals in Watershed Management Plans and Ten-Year Plan Amendments	Oppose – one size doesn’t fit all
5	Limiting Excessive Use of Groundwater for the Purpose of Watering Urban and Suburban Landscapes During the Summer Months	Oppose – one size doesn’t fit all
6	Permitting Water Storage on Wetlands Controlled by the DNR During Major Flood Events	Support
7	Watershed Districts Agriculture Drainage Bond Funding	Support
8	Watershed-Based Implementation Funding through Coordinated Comprehensive Watershed Plans	Support







Item 5C.  
BCWMC 11-18-20  
(Item 5D from Oct meeting)

## Bassett Creek Watershed Management

### MEMO

To: BCWMC Commissioners and Alternate Commissioners  
From: Laura Jester, Administrator  
Reviewed by Commission attorney  
Date: October 8, 2020

**RE: Addressing Potential Conflicts of Interest of Commission Engineer**

This memo serves to outline the State of Minnesota's professional rules pertaining to conflicts of interest (COI) for licensed engineers, provide information on recent examples of potential conflicts and how the BCWMC dealt with those instances, and lay out recommendations to address future instances of potential COI. In the past, BCWMC has assessed conflicts of interest and perceived conflicts that have arisen when the Commission engineer was asked to undertake work within the watershed that related to BCWMC's authority.

#### **Definition and Rules of Professional Conduct for Engineers**

Minnesota Administrative Rules Chapter 1805 provides the rules of professional conduct for licensed engineers. Specifically, Minn. R. 1805.0300, subp. 1 prohibits a licensed engineer from accepting a project where a duty to the client or the public would conflict with the personal interest of the licensee or the interest of another client.

Subpart 2 of the same rule further stipulates that a licensed engineer shall not accept compensation for services relating or pertaining to the same project from more than one party unless:

- A. there is a unity of interest between or among the parties to the project;
- B. the licensee or certificate holder makes full disclosure; and
- C. the licensee or certificate holder obtains the express consent of all parties from whom compensation will be received.

#### **BCWMC Examples and Actions**

Transparency and disclosure are critical to ensuring that a perceived or actual conflict does not negatively affect or influence Commission decision-making. The above Rule prohibits an engineer from proceeding unless each of the rule criteria are met. That is why, as a general rule, Barr Engineering Co. (Barr) does not accept work in the Bassett Creek watershed that will require review by its own personnel on behalf of the Commission. In my experience, Barr staff takes potential conflicts very seriously and operates consistent with their professional duties, including the above rules. Below are a few examples of when COI or potential COI were addressed:

- In early September, the Commission Engineer called me to describe a potential conflict. They were asked by the City of Golden Valley to model proposed temporary emergency repairs to an equalizer

pipe between East and West Ring Ponds because of a recent pipe failure. I did not object to Barr providing modeling assistance to Golden Valley, as all three requirements in Minn. R. 1805.0300, subp. 2 (A, B, and C above) were met. The City contracted directly with Barr for the work. This type of activity (modeling assistance) is sometimes performed by the Commission, at the Commission's expense, for work in individual cities. In this case, however, the city was willing to pay Barr without Commission funding to expedite the work in the emergency situation. In hindsight, I should have informed the commissioners about this work at a Commission meeting.

- In late June, Minneapolis city staff contacted me requesting authorization to retain Barr to perform the floodplain modeling along Bassett Creek to evaluate the impact of the Irving Avenue bridge removal and streambed fill proposed as part of the Irving Avenue sanitary sewer replacement project. This was a slightly different situation because the Commission requested the City to evaluate any changes to flows and water surface elevations due to removal of the Irving Avenue bridge and abutments in its June 23, 2020 letter and would then be reviewing the modeling results as part of its review of the project (which the Commission approved at their August meeting). I approved the work as there appeared to be a "unity of interest" because the result of the modeling work was not subjective (the model outcome is the model outcome). Also, Barr developed the model, so they can most efficiently and effectively run it, which in my opinion was in the best interest for both the Commission and the City. Although I mentioned this situation verbally during the Commission meeting, it could have been more fully explained by me and within the Commission Engineer's project review memo.
- For many years, Barr has performed environmental services for the City of Minneapolis in multiple areas around the city, including the city impound lot on the south side of Bassett Creek, Bryn Mawr Meadows Park, and other areas in the Bassett Creek Valley. This work included preparation of the Response Action Plan (RAP) for the Irving Avenue sanitary sewer replacement project for the City. These environmental services do not trigger BCWMC review and therefore do not constitute any inherent conflict. Even so, Barr disclosed its involvement in the Irving Avenue sanitary sewer replacement RAP in its project review memo to the Commission.
- Golden Valley and Minnetonka hired Barr to prepare their surface water management plans. In 2017, the Commission elected to hire an independent consultant to review these surface water management plans to remove a potential conflict of interest if Barr were to also review the plans as the Commission Engineer. This process was coordinated with the Commission.

### **Recommendations for Future Potential COI**

The following proposed framework for addressing conflicts of interest are in keeping with the practice I and the Commission Engineer have followed in the past. These recommendations, modified as the Commission wishes, should be the subject of a formal motion to direct and authorize the administrator as the Commission sees fit and appropriate. The goal is to clarify the process for addressing potential Commission Engineer COI so that staff has clear direction and staff and commissioners have congruent expectations.

Barr will continue to operate within the provisions of MN Administrative Rule 1805.0300. In all cases of actual or potential conflicts, transparency about the situation and reporting by and to all parties is of utmost importance.

Administrative Review (no approval needed)

- Projects in the Bassett Creek watershed that may be related to water or natural resources but do not require Commission Engineer review (such as natural resources protection plans, environmental impact statements, response action plans, etc.)
  - a. This is for scenarios where the above-described provisions in Minn. R. 1805.0300 do not apply because there is no actual conflict, nor is the Commission Engineer being compensated by more than one party for the same project

Administrative Approval (Administrator and Attorney):

- Projects where there is a clear unity of interest (i.e., modeling assistance); and the timeframe of the work is either emergency in nature or requires an expedited timeline such that there is not time for Commission approval; and the administrative approval is disclosed at the next Commission meeting

Commission Action Required:

- Projects that have a unity of interest but where there is time for Commission approval
- Projects that require Commission Engineer review, e.g. an actual conflict exists (such as preparation of local water management plans)
  - a. In these scenarios, the Commission will consider contracting with an outside firm for review or other remedies deemed appropriate





Item 5D.  
BCWMC 11-18-20  
(Item 5E from Oct meeting)

## Bassett Creek Watershed Management

### MEMO

To: BCWMC Commissioners and Alternate Commissioners  
From: Laura Jester, Administrator  
Date: October 8, 20220

**RE: Technical Advisory Committee Recommendations and Initial CIP Discussion**

At their meeting on October 1<sup>st</sup>, the BCWMC Technical Advisory Committee (TAC) discussed a variety of topics. Below is an overview of those discussions and recommendations.

#### 1. Chloride reduction strategies

TAC members were asked if they would like BCWMC assistance with education of residents, city officials, or city staff on chloride reduction strategies as we head into winter. They indicated that enough training for city staff is already available, that city councils are informed on this topic, and many cities have snow and ice removal policies they follow. Plymouth staff indicated that MPCA's Smart Salting Assessment Tool was very useful for their city crews. No other cities reported using the tool to date.

Generally, cities are waiting to see the chloride management requirements in the new MS4 permit (expected later this fall) before deciding what strategies or changes are needed at the city level. TAC members also agreed the Parkers Lake Chloride Reduction Project (part of BCWMC's Parkers Lake CIP Project) is likely to provide good direction for future activities in other parts of the watershed.

The TAC discussed an idea to include language in project approval letters encouraging developers to implement a chloride management plan for their developed/redeveloped site. Cities could decide to require a chloride management plan with permit approval, or reinforce the encouragement to do so. TAC members were supportive of the language in BCWMC project review letters. It was noted the Commission or permitting city could provide a template for appropriate chloride management plans.

#### **TAC RECOMMENDATION:**

When applicable, project approval letters from the Commission Engineer should include language encouraging developers and property managers to implement a chloride management plan with the goal of using best management practices for winter deicers and reducing the over application of chlorides.

#### 2. Review of current CIP implementation timelines

The TAC reviewed the implementation timelines of various CIP projects over the years and noted significant differences in how long it takes some projects to be constructed. The TAC discussed the possibility of recommending timing guidelines or requirements, but in the end agreed that due to vast differences between the projects (including funding availability, partnerships, city schedules, adjacent construction schedules, etc.), the timing of CIP implementation should continue on a case-by-case basis without imposing timing constraints.

### 3. Approaches for developing 10-year CIP for 2025 watershed management plan

The TAC discussed approaches for developing the 2025 – 2035 CIP that will be included in the next watershed management plan. Staff noted that some activities may need to get started in the next year or two, ahead of actually drafting the plan. TAC members agreed that performing subwatershed analyses for priority areas of the watershed would be a good way to target specific CIP projects in specific areas. A subwatershed analysis (SWA) is a method to systematically analyze and assess a subwatershed to determine the location and cost-benefit of best management practices or projects that can be implemented to reduce pollution to a specific waterbody or to reduce flooding. It was noted that Shingle Creek WMC performs SWAs to identify the best areas for water quality improvement projects that not only help target Shingle Creek WMC CIP projects, but also help cities understand where projects would have the most benefit. This allows cities to look for improvement opportunities in those areas when city projects or development/redevelopment projects are proposed. It was noted that areas in need of SWAs could be determined through a combination of model results, hot spot and flood potential maps, known water quality issues, and Commission and city staff knowledge and input. There was discussion about the cost of developing SWAs. It was noted that the Commission's "Surveys and Studies" budget within the annual operating budget could be used, that additional operating funds in future years would likely be needed for this task, and that some grant funding may be available.

#### **TAC RECOMMENDATION:**

The Commission should explore the development of subwatershed analyses (SWAs) to assist in developing the next 10-year CIP. First steps could include reporting on successful SWAs in Shingle Creek WMC or other watersheds and developing cost estimates for SWA development.

### 4. Initial discussion on the next 5-year CIP (2023 – 2027)

The TAC reviewed the current 5-year and 10-year CIPs and began discussions on possible projects to include in the 2023 – 2027 CIP. Possible larger projects include dredging Bassett Creek Park Pond in Crystal (second phase after dredging Winnetka Pond), and an alum treatment for Medicine Lake. However, the best timing for those projects is not currently known. Chloride management projects were also mentioned.

TAC members will continue to consider possible project needs to address pressing flooding or water quality issues and will review the pollutant hot spot and flood potential maps, along with the CIP prioritization matrix.

Staff noted that per Commission [approved recommendations](#) from the TAC and the CIP Prioritization Committee (February 2019), commissioners and staff should be more involved in the development of the 5-year CIP.

#### **At this time, Commissioner ideas and suggestions for future CIP projects are needed to help guide further discussions by the TAC and staff on 5-year CIP development.**

- Are there significant water quality or flooding issues that have not been addressed by Commission projects or planned projects?
- What do you view as the most pressing challenges that could be addressed by Commission CIP projects?
- Are there criteria that are not typically considered for selecting CIP projects but which should be included? (e.g. climate resiliency, equity, etc.)



## Bassett Creek Watershed Management

### MEMO

To: BCWMC Commissioners and Alternate Commissioners  
From: Laura Jester, Administrator  
Date: November 10, 2020  
RE: **Bryn Mawr Meadows Water Quality Improvement Project Implementation Options**

#### Recommendations:

1. Prepare designs and specifications for CIP project components to be built on park land and within city right-of-way through BCWMC contractors rather than entering an agreement with MPRB or Minneapolis for design and engineering work.
2. After designs are complete, consider separate agreements for construction: one with MPRB and one with city of Minneapolis.
3. Request that the Commission Engineer develop a proposal and cost estimate for the final design and development of plans and specifications, permitting assistance, and bidding assistance for the project.

#### Background:

At the September 2019 meeting, the Commission officially ordered the [Bryn Mawr Meadows Water Quality Improvement Project](#). This project will treat stormwater runoff from residential areas that currently flow untreated into Bassett Creek in Minneapolis. The project will be implemented within Bryn Mawr Meadows Park and on adjacent city streets, and will be designed and constructed in conjunction with the Minneapolis Park and Recreation Board's (MPRB) master planning process for this area. The project includes diverting runoff from a 45.1-acre residential area west of the park and low flows from MnDOT's Penn Pond discharge into new stormwater ponds within the park for a total phosphorus reduction of 30 pounds per year. The project is slated for design in 2021 and construction in 2022.

#### Status:

Although the BCWMC typically enters an agreement with a member city to implement capital projects in their jurisdiction, no agreements have been developed for this project to date. This project is more complicated because it includes construction of best management practices within two different jurisdictions: new stormwater ponds will be constructed within the park on MPRB land, and flow diversions and storm sewer work will be completed within city of Minneapolis right-of-way.

I have been meeting and communicating with MPRB staff, city staff, and Commission Engineers regarding implementation and contracting options over the last several months. We developed a few different scenarios for implementation and received input from MPRB and city staff on their preferred/recommended approach.

**Preferred/Recommended Implementation Approach:**

BCWMC contracts directly with a consultant to design (but not to construct) the complete project including CIP components on MPRB land and within city right-of-way. The consultant would work closely with the City's public works department and with MPRB's park reconstruction design team to integrate the project plans into city infrastructure and into park reconstruction design documents. The consultant would also provide technical documents to the MPRB's park reconstruction design team in order to bid the CIP components as part of the overall park reconstruction project. Having the CIP components bid as part of the park reconstruction project would result in the best cost benefit for the project and would also require less coordination during construction.

Once designs are complete, there are two different options for construction. In discussions with MPRB and city staff, there was reluctance by each party to be responsible for construction on the other's property. Option A below is the preferred option of MPRB staff. Minneapolis city staff noted it might be appropriate to wait until designs are complete before choosing an option for construction.

Construction Option A: BCWMC enters separate agreements with MPRB and with the City for construction and future maintenance of CIP components on each of their properties. It may be difficult to predict the exact cost of each portion of the work and the funds would need to be split and agreed upon prior to signing reimbursement agreements. However, this may be the most straightforward approach to construction.

Construction Option B: BCWMC contracts only with MPRB for the construction of CIP components on both MPRB and city property. This would require a construction or reimbursement agreement between the MPRB and the City. Such an agreement may need to be executed before the BCWMC enters an agreement with MPRB.

**Alternate Implementation Approach:**

An additional option was also considered: BCWMC contracts with MPRB for design, bidding and construction of CIP components on both MPRB and city property. This would require MPRB and the City to enter agreements for design and construction work and is not the preferred alternative of MPRB staff, city staff, or BCWMC staff.

**Project Engineering:**

Assuming the Commission agrees with the recommended approach of designing the project "in-house," there are different options for completing this work. Engineering tasks related to this project include:

- Coordination with City's public works department and MPRB's park reconstruction design team to integrate the CIP components of the design into the park reconstruction
- Assisting with securing all necessary permits, including an NPDES Construction Stormwater General Permit (MPCA) if the entire park reconstruction project results in more than one acre of land disturbance (MPRB will be responsible for any permits required by the park reconstruction project)
- Final design of the project and developing drawings, specifications and bid documents
- Developing engineer's opinion of probable construction costs
- Assisting with the bidding process
- Performing surveying to provide benchmarks and establish control for drawings
- Construction services including periodic construction observation and administration (review of submittals, pay applications, requests for information, etc.; processing change orders, communications with contractor, administrator, regulators and stakeholders) for the CIP portions of the project



- Coordinating with MPRB for removal and disposal of contaminated sediments – the MPRB will develop a contingency plan (as needed) for contaminated soils
- Preparing record drawings

The cost estimate for this work as shown in the [feasibility study](#) is 30% of estimated construction costs, or \$183,000. The Commission can utilize the Commission Engineer for these tasks, or it can solicit requests for proposals from multiple consulting firms. At this time, I believe the most streamlined and cost-effective action is to request a proposal and cost estimate only from the Commission Engineer for the engineering tasks (similar to proposals they provide for feasibility studies). My recommendation is based on the following:

1. The Commission Engineer's time would be needed to help me develop a request for proposals (RFP) to solicit proposals from multiple firms and to review proposals received to ensure all engineering functions are included and appropriate. (Alternatively, TAC members could be asked to assist with these tasks.)
2. Having prepared the feasibility study, the Commission Engineer is already very familiar with the site conditions, permitting needs, and necessary construction components.
3. The Commission Engineer understands the Commission's goals, policies, objectives and methods of implementation; they would have the Commission's best interests firmly in mind.
4. If the Commission hired a firm other than the Commission Engineer, project funds would be spent reviewing that firm's designs and specifications, and may be spent answering questions, running the hydrologic model, and coordinating other aspects of the project before and during construction. Depending on the complexity of issues that arise, this could add several thousand dollars to project expenses.





## Bassett Creek Watershed Management Commission

### MEMO

To: BCWMC Commissioners and Alternate Commissioners  
From: Laura Jester, Administrator  
Date: November 9, 2020  
RE: **Main Stem Lagoon Dredging Project Implementation**

#### Recommendations:

1. Request that the Commission Engineer develop a proposal and cost estimate for the final design and development of plans and specifications, permitting assistance, bidding assistance and construction services for the project.
2. Begin project design and permitting summer 2021; dredge Lagoons D, E & F winter 2022/2023.

#### Background:

At the July 16<sup>th</sup> meeting, the Commission approved a plan to fund the Main Stem Lagoon Dredging Project with CIP levies in tax years 2021 – 2024, up to \$1.2M in Closed Project Account funds, and grant funds, if awarded (Table 1). At the September 17<sup>th</sup> meeting, the Commission passed [resolution 20-06](#) officially ordering the Main Stem Lagoon Dredging Project. Unlike most CIP projects where the Commission has an agreement with a member city to design and construct the project, the Commission will design and construct this project on its own, in close coordination with the MPRB, Minneapolis, and Golden Valley.

#### Project Engineering:

There are multiple engineering tasks related to this project including:

- Assisting with securing all necessary permits, including
  - Public Waters Work Permit (MDNR)
  - Section 404 Permit and Section 401 Certification (United States Army Corps of Engineers (USACE))
  - Construction Stormwater General Permit (MPCA)
  - Stormwater Management Permit (City of Golden Valley)
  - Construction Permit (MPRB)
  - Other permits identified during the project
- Assisting the city of Golden Valley with development of the required Environmental Assessment Worksheet (EAW)
- Final design of the project and developing drawings, specifications and bid documents
- Developing engineer's opinion of probable construction costs
- Administering/coordinating the bidding process
- Performing surveying to provide benchmarks and establish control for drawings
- Construction services including periodic construction observation and administration (review of submittals, pay applications, requests for information, etc.; processing change orders, communications with contractor, administrator, regulators and stakeholders)

- Developing plan for disposal of contaminated sediments
- Preparing record drawings
- Assisting administrator with grant administration

The cost estimate for this work as shown in the [feasibility study](#) is 30% of estimated construction costs, or \$806,000. While this is a typical method for estimating preliminary engineering budgets, the Commission Engineer has noted that actual engineering costs for this project are likely to be substantially lower. For budgeting purposes at this time, I am using a figure of \$300,000 for engineering.

The Commission can utilize the Commission Engineer for these tasks, or it can solicit requests for proposals from multiple consulting firms. At this time, I believe the most streamlined and cost-effective action is to request a proposal and cost estimate only from the Commission Engineer for the engineering tasks (similar to proposals they provide for feasibility studies). My recommendation is based on the following:

1. The Commission Engineer’s time would be needed to help me develop a request for proposals (RFP) to solicit proposals from multiple firms and to review proposals received to ensure all engineering functions are included and appropriate. (Alternatively, TAC members could be asked to assist with these tasks.)
2. Having prepared the feasibility study, the Commission Engineer is already very familiar with the site conditions, permitting needs, and necessary construction components.
3. The Commission Engineer understands the Commission’s goals, policies, objectives and methods of implementation; they would have the Commission’s best interests firmly in mind.
4. If the Commission hired a firm other than the Commission Engineer, project funds would be spent reviewing that firm’s designs and specifications, and may be spent answering questions, running the hydrologic model, and coordinating other aspects of the project before and during construction. Depending on the complexity of issues that arise, this could add several thousand dollars to project expenses.

**Project Schedule:**

Because the Commission is implementing this project, it is important to ensure that we will have enough cash on hand to pay contractors on time.

Table 1 shows the project funding over four years as approved in July. Grant funding and lower than budgeted engineering costs will reduce the total project costs, resulting in lower future levies and/or less use of Closed Project Account funds. So far, \$250,000 in Clean Water Funds has been secured; additional grant applications totaling \$350,000 are being submitted.

Table 1. Main Stem Lagoon Dredging Project Funding

Funding Source	2021	2022	2023	2024
Levy	\$100,000	\$1,100,000	\$459,000	\$400,000
Closed Project Account	\$500,000	\$300,000	\$200,000	\$200,000
Grant Funds	\$250,000	Unknown	Unknown	Unknown
TOTAL	\$850,000	\$1,400,000	\$659,000	\$600,000

The Commission collects 50% of levy funds in July and 50% in December each year. Closed project account funding levels fluctuate, depending on payments for other CIP projects under construction. Secured grant funding is available in early 2021 and expires at the end of 2023. Anticipated project costs for different aspects of the project include:

- Engineering: (up to) \$300,000
- Construction (mobilization, dredging, sediment disposal, contingency)
  - Lagoon D: \$577,000
  - Lagoon E: \$1,300,000
  - Lagoon F: \$833,500

Although the Commission would have funding available to dredge at least one lagoon in winter 2021/2022, it would not have funding to dredge all three lagoons until the following winter. In order to reduce mobilization costs, minimize longevity of park/trail disturbances, and reduce ecosystem impacts, the Commission Engineers and I recommend dredging all three lagoons in winter 2022/2023. While construction bids may be slightly lower next winter due to economic conditions, the savings from a single mobilization effort is likely to be similar.

Engineering design and permitting should begin at least 12 months prior to the construction bidding process.

- Summer 2021: Begin engineering design and permitting
  - Costs would be incurred monthly but are relatively low and would be covered easily by Commission cash on hand
  - Engineering design costs would be incurred in mid to late 2021 and into 2022; additional costs would be incurred during construction
- Winter 2022/2023: Construct Lagoons D, E and F (\$2,710,500)
  - Expected contractor invoicing as early as February 2023
  - Would have \$2,350,000 on hand February 2023
    - \$1,200,000 from 2021 and 2022 levies
    - \$1,200,000 from 2021 - 2024 Closed Project Account funding
    - \$250,000 from grant funding
    - Subtract engineering costs of \$300,000
  - Could fund remaining gap of \$360,500 with Commission cash on hand; the project fund would be reimbursed with the 2023 levy





## Bassett Creek Watershed Management

# MEMO

Date: November 10, 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 2020):** A feasibility study for this project was completed in May 2018 after months of study, development of concepts and input from residents at two public open houses. At the May 2018 meeting, the Commission approved Concept 3 and set a maximum 2019 levy. Also in May 2018, the Minnesota Legislature passed the bonding bill and the MDNR has since committed \$2.3M for the project. The Hennepin County Board approved a maximum 2019 levy request at their meeting in July 2018. A BCWMC public hearing on this project was held on August 16, 2018 with no comments being received. Also at that meeting the Commission officially ordered the project and entered an agreement with the City of Golden Valley to design and construct the project. In September 2018, the City of Golden Valley approved the agreement with the BCWMC. The [Sun Post](#) ran an article on this project October 2018. Another public open house and presentation of 50% designs was held February 6, 2019. An EAW report was completed and available for public review and comment December 17 – January 16, 2019. At their meeting in February 2019, the Commission approved the 50% design plans. Another public open house was held April 10<sup>th</sup> and a public hearing on the water level drawdown was held April 16<sup>th</sup>. 90% Design Plans were approved at the April Commission meeting. It was determined a Phase 1 investigation of the site is not required. The City awarded a contract to Dahn Construction for the first phase of the project, which involves earthwork, utilities, and trail paving and extends through June 2020. Dewatering began late summer 2019. Tree removal was completed in early winter; excavation was ongoing through the winter. As of early June 2020, earth work and infrastructure work by Dahn Construction is nearly complete and trail paving is complete. Vegetative restoration by AES is underway including soil prep and seeding. Plants, shrubs, and trees will begin soon along with placement to goose protection fencing to help ensure successful restoration. The 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: (See Item 5E)** 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. BCWMC developed options for contracting and

implementation which will be presented at this meeting. 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 28<sup>th</sup>. The feasibility study was approved at the April Commission meeting with intent to move forward with option 1. The city's project team is continuing to assess the project and understand its implications on city finances, infrastructure, and future management. The city received proposals from 3 engineering firms for project design and construction. At their meeting on August 5<sup>th</sup>, the Medicine Lake City Council voted to continue moving forward with the project and negotiating the terms of the agreement with BCWMC. Staff was directed to continue negotiations on the agreement and plan to order the project pending a public hearing at this meeting. Staff continues to correspond with the city's project team and city consultants regarding language in the agreement. The BCWMC held a public hearing on this project on September 19, 2019 and received comments from residents both in favor and opposed to the project. The project was officially ordered on September 19, 2019. On October 4, 2019, the Medicine Lake City Council took action not to move forward with the project. At their meeting on October 17<sup>th</sup>, 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 (No change since October 2020):** 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 16<sup>th</sup> 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. The project is largely complete and a ribbon cutting by the city was held September 13<sup>th</sup>. The building and site are open to the public and being used to educate students. There are still punch list items which must be addressed by the contractor to finalize the work. The system is capturing stormwater runoff from roof and paving, and the runoff is being stored underground and pumped via solar or hand pumps into the engineered creek. None of the captured water is flowing over land into Westwood Lake. The educational sign indoors is installed. (See photo.) Project website: <http://www.bassettcreekwmo.org/projects/all-projects/westwood-lake-water-quality-improvement-project>.

**2017 Main Stem Bassett Creek Streambank Erosion Repair Project (2017CR-M):** 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. In October, the City was working on negotiating access to some properties, and was waiting on permit approval from USACE, which was expected soon. Work is slated to begin in November or early December, assuming access and permits are in place.

**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 17<sup>th</sup> 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 Items 4D and 5A):** This project was added to the 2020 CIP list after receiving a federal 319 grant from the MPCA. It is partially a result of the carp surveys completed through the Schaper Pond Diversion Project and a study of the year-round aeration on Sweeney Lake. This project will treat curly-leaf pondweed in spring 2020, will remove carp in summer 2020, and will perform an alum treatment on Sweeney Lake in late summer 2020. The project was officially ordered by the Commission after a public hearing in September 2019. A public open house on this project was held via Webex on April 8<sup>th</sup> with approximately 20 people joining. The open house presentation and a question and answer document 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 alum treatment was completed during the last week of October and first week of November. Staff will provide a brief verbal report at this meeting. 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 2<sup>nd</sup> treatment may be needed in the future. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=278>.

**2013 Four Seasons Area Water Quality Project/Agora Development (NL-2) (No change since Oct 2020):** At their meeting in December 2016, the Commission took action to contribute up to \$830,000 of Four Seasons CIP funds for stormwater management at the Agora development on the old Four Seasons Mall location. At their February 2017 meeting the Commission approved an agreement with Rock Hill Management (RHM) and an agreement with the City of Plymouth allowing the developer access to a city-owned parcel to construct a wetland restoration project and to ensure ongoing maintenance of the CIP project components. At the August 2017 meeting, the Commission approved the 90% design plans for the CIP portion of the project. At the April 2018 meeting, Commissioner Prom notified the Commission that RHM recently disbanded its efforts to purchase the property for redevelopment. In 2019, a new potential buyer/developer (Dominium) began preparing plans for redevelopment at the site. City staff, the Commission Engineer and I have met on numerous occasions with the developer and their consulting engineers to discuss stormwater management and opportunities with “above and beyond” pollutant reductions. Concurrently, the Commission attorney has been working to draft an agreement to transfer BCWMC CIP funds for the above and beyond treatment. At their meeting in December, Dominium shared preliminary project plans and the Commission discussed the redevelopment and potential “above and beyond” stormwater management techniques. At the April 2020 meeting, the Commission conditionally approved the 90% project plans. The agreements with Dominium and the city of Plymouth to construct the project were approved May 2020 and project designers coordinated with Commission Engineers to finalize plans per conditions. The redevelopment project is scheduled to be before the Plymouth City Council again on November 24<sup>th</sup> for approval of various items including final plat, the stormwater grant agreement, and site improvement performance agreement. If approved, Dominium is scheduled to close on the property in the first half of 2021 and potentially begin construction later next year. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=282>.

**2020 Crane Lake Improvement Project (CL-3):** 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>.

Latest update: All work is complete – underground storm water tank, storm sewer to the tank, and all the plantings. See photos of the Crane Lake Park area.

The lift station pump was not active this year due to the new plant installation and allowing establishment before introducing storm water to the rain gardens. The pump will be activated in the spring of 2021 and will provide the designed storm water treatment and storage. The installation of a flow meter was added to the lift station pump to quantify the amount of treated storm water annually. 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**

- Discussed Bryn Mawr and Lagoon Dredging Project implementation with Commission Engineers and stakeholders; drafted memos for commissioners
- Reviewed and assisted with public engagement products for Medley Park Stormwater Improvement Project including presentation slides and script for voice-over of presentation
- Assisted with contracting and logistics for Sweeney Lake Alum Treatment including gathering signatures and transmitting final documents and virtual on-site meeting with contractor, city staff and commission engineer; communicated with lake association president and updated webpage
- Discussed Parkers Lake Chloride Reduction Project with Plymouth staff; researched chloride management plan template and discussed with Hennepin County Chloride Initiative partners
- Reviewed subwatershed analyses completed for Shingle Creek WMC and discussed with commission engineers
- Developed SEA School-Wildwood Flood Reduction Project webpage
- Discussed Medicine Lake conditions with TRPD staff and arranged meeting with DNR re: vegetation management
- Reviewed agenda and presentation for Medley Park Project Technical Stakeholder meeting and attended meeting
- Assisted with arranging two SEA School-Wildwood Flood Reduction Project kick-off meetings

### **Administration and Education**

- Reviewed and edited education column
- Reviewed and posted latest education video and reviewed script for next video
- Updated BCWMC grant spreadsheet and communicated incoming grant funds to deputy treasurer
- Picked up CAMP samples and monitoring bins; cleaned and stored bins for winter
- Completed and submitted ERF grant application for Lagoon Dredging Project
- Started Hennepin County Opportunity Grant application for Lagoon Dredging Project
- Met with Minnetonka staff to review new park at Ridgedale and Crane Lake; wrote letters of support on behalf of BCWMC for grant applications
- Participated in “virtual field trip” with Blake School class re: Bassett Creek tunnels, watershed, projects, etc.