



Bassett Creek Watershed Management Commission

Regular Meeting
Thursday, October 20, 2022
8:30 – 11:00 a.m.
Council Conference Room
Golden Valley City Hall @ 7800 Golden Valley Rd.

MEETING 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, except for referral to staff or a Commissions Committee for a recommendation to be brought back to the Commission for discussion/action.*

3. APPROVAL OF AGENDA

4. CONSENT AGENDA (10 minutes)

- A. Approval of Minutes – September 15, 2022 Commission Meeting
- B. Acceptance of October 2022 Financial Report
- C. Approval of Payment of Invoices
 - i. Keystone Waters, LLC – September 2022 Administrative Services
 - ii. Keystone Waters, LLC – September 2022 Meeting Expenses
 - iii. Barr Engineering – September 2022 Engineering Services
 - iv. Kennedy & Graven – August 2022 Legal Services
 - v. Redpath – September 2022 Accounting Services
 - vi. Triple D Espresso – Meeting Catering
 - vii. Stantec – WOMP
 - viii. Metro Blooms – Lawns to Legumes Grant Funded Program
- D. Approval of Bassett Creek Park Pedestrian Bridge Project, Crystal
- E. Approval of Brookview Golf Course Channel Stabilization Project, Golden Valley

5. BUSINESS

- A. Consider Approving 90% Design Plans for SEA School-Wildwood Flood Reduction Project (BC-2,3,8,10) (30 min)
- B. Consider Selection of Contractor and Awarding Contract for Main Stem Lagoon Dredging Project (BC-7) (20 min)

BREAK (at Chair's discretion)

- C. Consider Approval of Recommendation from Technical Advisory Committee on Use of Channel Maintenance Funds (15 min)
- D. Review Status of 2022 Operating Budget (10 min)
- E. Consider Approving Administrator Attendance at MAWD Conference and Gauge Interest in Commissioner Attendance (10 min)

6. COMMUNICATIONS (10 minutes)

- A. Administrator's Report
 - i. Reminder of WEDNESDAY November 16 Meeting
 - ii. Report Watershed Plan Development Activities
 - iii. Update on Hennepin County Chloride Initiative Work Including Professional Videos
 - i. Long Video (5 min) <https://youtu.be/IN28xSzYv94>
 - ii. Short Video <https://youtu.be/MW7F2i4VldA>
- B. Chair
- C. Commissioners
 - i. Report on September 25th Outreach Events
- D. TAC Members
 - i. October 5th Meeting Report
 - ii. Update on Four Seasons Mall Project
- E. Committees
- F. Legal Counsel
- G. Engineer
 - i. Review of Redevelopment at 6300 Olsen Memorial Highway, Golden Valley
 - ii. Sweeney Lake Alum Treatment Update

7. INFORMATION ONLY (Information online only)

- A. BCWMC Administrative Calendar
- B. CIP Project Updates www.bassettcreekwmo.org/projects
- C. Grant Tracking Summary and Spreadsheet
- D. WCA Notices – Plymouth
- E. Sohacki Park Subwatershed Assessment Report

8. ADJOURNMENT

Upcoming Meetings & Events

- Buckthorn Bash Event by Friends of Bassett Creek: Saturday October 15th, 1:00 – 4:00 p.m., Bassett's Creek Park (see BCWMC online calendar for details and RSVP)
- Metro MAWD Meeting: Virtual Tuesday October 18th, 7:00 p.m.
- BCWMC Regular Meeting: WEDNESDAY November 16th, 8:30 a.m., Golden Valley City Hall



Bassett Creek Watershed Management Commission

AGENDA MEMO

Date: October 13, 2022

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: **Background Information for 10/20/22 BCWMC Meeting**

1. **CALL TO ORDER and ROLL CALL**
2. **CITIZEN FORUM ON NON-AGENDA ITEMS**
3. **APPROVAL OF AGENDA – ACTION ITEM with attachment**
4. **CONSENT AGENDA**
 - A. Approval of Minutes – September 15, 2022 Commission Meeting- ACTION ITEM with attachment
 - B. Acceptance of October Financial Report - ACTION ITEM with attachment
 - C. Approval of Payment of Invoices - ACTION ITEM with attachments (online) – I reviewed the following invoices and recommend payment.
 - i. Keystone Waters, LLC – September 2022 Administrative Services
 - ii. Keystone Waters, LLC – September 2022 Meeting Expenses
 - iii. Barr Engineering – September 2022 Engineering Services
 - iv. Kennedy & Graven – August 2022 Legal Services
 - v. Redpath – September 2022 Accounting Services
 - vi. Triple D Espresso – Meeting Catering
 - vii. Stantec – WOMP
 - viii. Metro Blooms – Lawns to Legumes Grant Funded Program
 - D. Approval of Bassett Creek Park Pedestrian Bridge Project, Crystal – ACTION ITEM with attachment – The proposed project is located along the North Branch of Bassett Creek in Bassett Creek Park in Crystal. The work includes replacement of a pedestrian bridge and associated grading, resulting in 0.12 acres of disturbance and no change in impervious surface. The project results in a net gain of approximately 23 cubic yards of floodplain storage. Although the lowest part of the bridge is not 1 foot above the 100-year floodplain, the Commission Engineer recommends approval due to the wide floodplain (flood waters would flow around the bridge) and similar ped bridge projects previously approved.
 - E. Approval of Brookview Golf Course Channel Stabilization Project, Golden Valley – ACTION ITEM with attachment - *The proposed project is along Bassett Creek in Brookview Golf Course owned by the City of Golden Valley. The project includes stabilizing 500 linear feet of Bassett Creek through grading and installing a combination of soft and hard armoring restoration techniques. The project results in additional floodplain storage. Staff recommends approval.*
5. **BUSINESS**
 - A. Consider Approval of 90% Design Plans for SEA School-Wildwood Park Flood Reduction Project (BC-2,3,8,10) (20 min)– ACTION ITEM with attachments (design plan set available online) – *At the September 2021 meeting, the Commission ordered this project and entered an agreement with Golden Valley to design and construct the project. Golden Valley is contracting with Barr Engineering for this work. 50% designs were approved by the Commission at the January meeting. Since then, Robbinsdale Area Schools requested changes to the proposed school driveway alignment and playground location. 90% plans reflect desired school alignments along with desired city and Commission project outcomes.*

Staff recommends approval of the 90% plans and directing the city to proceed with final designs, permitting, and bidding.

- B. Consider Selection of Contractor and Awarding Contract for Main Stem Lagoon Dredging Project (BC-7) (20 min) – ACTION ITEM with attachment – *At the June meeting, the Commission approved 90% plans for this project and authorized the advertisement for bids. Four bids were received by the submittal deadline of September 30th and thoroughly reviewed by Commission Engineers. The lowest responsible bidder was Fitzgerald Excavating and Trucking, Inc. with a bid of \$1,588,970 which is approximately \$662,000 below engineer’s estimates for project construction. Staff recommends that the Commission accept the lowest bid and award the contract to Fitzgerald Excavating and Trucking through approval of the attached resolution drafted by Commission Attorney Anderson. Details of all bids are considered non-public data and not included in the meeting packet. Bid details may be discussed at the meeting, as needed, and Commissioners may request details prior to the meeting.*

BREAK (at Chair’s discretion)

- C. Consider Approval of Recommendation from Technical Advisory Committee on Use of Channel Maintenance Funds (15 min) – ACTION ITEM with attachment – *The Technical Advisory Committee met on October 5th to discuss a variety of topics. The attached memo includes one recommendation to the Commission regarding the use of BWCMC Channel Maintenance Funds for a streambank stabilization project in Plymouth. Staff recommends approval.*
- D. Review Status of 2022 Operating Budget (10 min) – INFORMATION ITEM no attachment (See Item 4B) – *We are two thirds of the way through our fiscal year which ends on January 31, 2023. While we are over budget in a few areas, other areas are running well under or right on budget. Grant and partnership funds are also higher than budgeted. I am projecting that we will be very close budget by year’s end. I will review the budget status at the meeting.*
- E. Consider Approving Administrator Attendance at MAWD Conference and Gauge Interest in Commissioner Attendance (10 min) – ACTION ITEM with attachment – *The Minnesota Association of Watershed District’s annual meeting and conference will be held in person at Arrowwood Resort in Alexandria December 1 – 3. I am requesting to attend the conference December 1st and 2nd and the quarterly meeting of the Minnesota Association of Watershed Administrators meeting on November 30th. Lodging for two nights, mileage, and conference registration is expected to cost approximately \$710, plus my time. Commissioners should also consider attending. (Lodging should be booked soon!) The Commission should ultimately appoint two delegates and one alternate delegate to attend the MAWD Business Meeting on the morning of December 2nd. See attached schedule of events and learn more at: www.mnwatershed.org/annual-conference-trade-show.*

6. COMMUNICATIONS (10 minutes)

- A. Administrator’s Report - **INFORMATION ITEM with attachment**
- i. Reminder of WEDNESDAY November 16 Meeting
 - ii. Report Watershed Plan Development Activities
 - iii. Update on Hennepin County Chloride Initiative Work Including Professional Videos
 - i. Long Video (5 min) <https://youtu.be/IN28xSzYv94>
 - ii. Short Video <https://youtu.be/MW7F2i4VldA>
- B. Chair
- C. Commissioners
- i. Report on September 25th Outreach Events
- D. TAC Members

- i. October 5th Meeting Report
- ii. Update on Four Seasons Mall Project
- E. Committees
- F. Legal Counsel
- G. Engineer
 - i. Review of Redevelopment at 6300 Olsen Memorial Highway, Golden Valley
 - ii. Sweeney Lake Alum Treatment Update

7. INFORMATION ONLY (Information online only)

- A. BCWMC Administrative Calendar
- B. CIP Project Updates www.bassettcreekwmo.org/projects
- C. Grant Tracking Summary and Spreadsheet
- D. WCA Notices – Plymouth
- E. Sochacki Park Subwatershed Assessment Report

8. ADJOURNMENT

Upcoming Meetings & Events

- Buckthorn Bash Event by Friends of Bassett Creek: Saturday October 15th, 1:00 – 4:00 p.m., Bassett’s Creek Park (see BCWMC online calendar for details and RSVP)
- Metro MAWD Meeting: Virtual Tuesday October 18th, 7:00 p.m.
- BCWMC Regular Meeting: WEDNESDAY November 16th, 8:30 a.m., Golden Valley City Hall
- BCWMC Regular Meeting: Thursday October 20th, 8:30 a.m., Location TBD



Bassett Creek Watershed Management Commission

DRAFT Minutes of Regular Meeting Thursday, September 15, 2022 8:30 a.m.

Golden Valley City Hall, 7800 Golden Valley Road

1. CALL TO ORDER and ROLL CALL

On Thursday, September 15, 2022 at 8:30 a.m. Chair Cesnik brought the Bassett Creek Watershed Management Commission (Commission) to order.

Commissioners, city staff, and others present

City	Commissioner	Alternate Commissioner	Technical Advisory Committee Members (City Staff)
Crystal	D. Anderson	Joan Hauer	Mark Ray
Golden Valley	<i>Absent</i>	<i>Absent</i>	Eric Eckman
Medicine Lake	Clint Carlson	Shaun Kennedy	<i>Absent</i>
Minneapolis	Michael Welch	Jodi Polzin	Katie Kowalczyk
Minnnetonka	Maryna Chowan	<i>Vacant Position</i>	Sarah Schweiger
New Hope	Jere Gwin-Lenth	Jen Leonardson	Nick Macklem
Plymouth	Catherine Cesnik	<i>Absent</i>	Ben Scharenbroich
Robbinsdale	<i>Absent</i>	<i>Vacant Position</i>	Mike Sorenson
St. Louis Park	<i>Vacant Position</i>	<i>Absent</i>	Erick Francis
Administrator	Laura Jester, Keystone Waters		
Engineers	Karen Chandler and Greg Wilson, Barr Engineering		
Recording Secretary	<i>Absent</i>		
Legal Counsel	Sarah Sonsalla, Kennedy & Graven		
Presenters/ Guests/Public	Jim Rock, Golden Valley Resident		

2. PUBLIC FORUM ON NON-AGENDA ITEMS

No comments from the public were made.

3. APPROVAL OF AGENDA

MOTION: Commissioner Gwin-Lenth moved to approve the agenda. Commissioner Carlson seconded the motion. The motion carried 6-0, with the cities of Robbinsdale, St. Louis Park, and Golden Valley absent from the vote.

4. CONSENT AGENDA

The following items were approved as part of the consent agenda.

- Approval of Minutes – August 18, 2022 Commission Meeting
- Acceptance of September 2022 Financial Report
- Approval of Payment of Invoices
 - Keystone Waters, LLC – August 2022 Administrative Services
 - Keystone Waters, LLC – August 2022 Meeting Expenses
 - Barr Engineering – August 2022 Engineering Services
 - Kennedy & Graven – July 2022 Legal Services
 - Redpath – August 2022 Accounting Services
 - Triple D Espresso – Meeting Catering
 - Juan Del Valle Lopez – BCWMC Intern
 - MMKR – 2021 Financial Audit
 - Shaun Kennedy – Salt Symposium Registration Reimbursement
- Approval to submit comments on MAWD Draft Strategic Plan
- Approval to amend Clean Water Fund Grant Agreement for Bryn Mawr Water Quality Project for chair to execute amended agreement

MOTION: Commissioner Welch moved to approve the consent agenda. Commissioner Gwin-Lenth seconded the motion. The motion carried 6-0, with the cities of Robbinsdale, St. Louis Park, and Golden Valley absent from the vote.

5. BUSINESS

A. Consider Approval of Scope and Budget for Additional Analysis of Issues for Watershed Management Plan

Administrator Jester noted this item was tabled at the August meeting. She noted that at the Commission meeting in July, the Commission reviewed results of the Plan Steering Committee workshop and directed staff to develop a scope and budget for additional analysis of certain challenging or emerging issues as included in Phase 2 of the original Watershed Plan Update scope.

Commission Engineer Chandler noted that 6 of the 13 challenging issues identified for deeper analysis would need a more technical analysis by the Commission Engineers. She reviewed those 6 issues within the memo:

- Climate Change and Climate Resiliency – This work would include analyzing a larger storm event and developing flood inundation maps
- Chloride Pollution – This work may include looking at better site design to reduce winter maintenance issues and deicer use and/or may include establishing protection zones. Chair Cesnik added her desire to explore how chloride-laden waters mobilize heavy metals.
- Water Quality Standards for Linear Projects – This will take into consideration the new MS4 permit requirements and another analysis of the impacts of linear projects in BCWMC.
- Bassett Creek Valley Study – This work will consider next steps and possible Commission roles
- Manage and Restore Riparian Areas – This work will be related to the item below and may look at appropriate buffer regulations, shoreland management practices, etc.
- Evaluating Stream Health to Address Biotic Impairments – This work will include results of MPCA's stressor ID work in 2023 and discussions with MPCA on expectations for urban streams

Engineer Chandler noted the total cost of these analyses of \$38,375. There was some discussion about how investigation of changing Medicine Lake water levels might work into the Climate Change and Climate Resiliency issue. Commissioner Welch noted the Commission should set its own stream health goals if MPCA's goals don't seem appropriate.

There was discussion about how the “deeper analysis” work should be iterative and include regular check-ins with the Plan Steering Committee/Commission to make sure expectations are aligned between Commission and staff/cities. It was also noted that some technical analysis of other issues not included here is expected throughout the plan development process. It was also noted that the Commission shouldn’t revise current policies and roles if not warranted.

Golden Valley resident, Jim Rock, noted that stream health assessments should also consider indigenous indicators of health such as wild rice stands and other relationships with the natural world.

MOTION: Commissioner Welch moved to approve the scope and budget for the Phase II analyses with a not to exceed amount of \$38,375. Commissioner Anderson seconded the motion. The motion carried 6-0, with the cities of Robbinsdale, St. Louis Park, and Golden Valley absent from the vote.

B. Receive Report on Salt Symposium and Awards to Minneapolis and Golden Valley

Chair Cesnik congratulated the cities of Minneapolis and Golden Valley on their Environmental Leadership Awards, recognized at the Salt Symposium. Chair Cesnik reported that she attended the whole conference and learned a lot including how salty water mobilizes heavy metals. She indicated it might be good to have a study session on the content of the symposium. Administrator Jester indicated she would send links or recordings of presentations, if available. Alternate Commissioner Kennedy agreed that the symposium was very informative, with great detailed information presented.

C. Consider Selection of Contractor and Awarding Contract for Sweeney Lake Alum Treatment

Commission Engineer Chandler reported that the Commission Engineers recommend that the Commission award a contract for Sweeney Lake Alum Treatment Phase II to the lowest responsible bidder, SOLitude Lake Management, by adopting Resolution No. 22-07 and authorizing the chair to sign the notice of award. She noted that although two bids were received by the bidding deadline, one company withdrew their bid from consideration.

Commission Engineer Greg Wilson noted that although the price is about 30% higher than the 2020 Sweeney Lake alum treatment, the price is fair given the economy. He also noted he has worked with staff at SOLitude Lake Management in the past and is comfortable with their abilities and equipment. There was some discussion about the bidder that withdrew and reasons for choosing the lowest responsible bidder.

MOTION: Commissioner Welch moved to adopt Resolution 22-07, accepting the bid of \$185,994 from SOLitude Lake Management for the Sweeney Lake Alum Treatment. Commissioner Carlson seconded the motion.

There was discussion about overall project costs continuing to rise. Commission Engineer Wilson noted that prices do seem to be moderating in recent weeks. Upon request, Engineer Wilson also explained how an alum treatment works to reduce phosphorus and improve water quality.

VOTE: The motion carried 6-0, with the cities of Robbinsdale, St. Louis Park, and Golden Valley absent from the vote.

D. Consider Approving Scope and Budget for Study of Chloride Extraction/Dilution from Parkers Lake

Commission Engineer Chandler reviewed the scope and budget to perform an initial study of Parkers Lake to determine the practicality of removing chloride-laden water from within Parkers Lake as part of the Parkers Lake Chloride Reduction CIP Project. She noted that two options would be studied: extraction (removing bottom waters from the lake and discharging to the sanitary sewer); and dilution (pumping and treating bottom waters using reverse osmosis to remove the chloride before returning water to the lake). The work includes monitoring by Three Rivers Park District (through an existing agreement with the City of Plymouth, and a future agreement with either the Commission Engineer or the City of Plymouth) and the study will determine the mass of chloride in the lake. She reviewed the steps of the study including data collection, modeling, discussions with Met Council regarding discharge to the sanitary sewer, and further evaluation of concepts.

It was acknowledged that this study is an iterative process and that discussions with Met Council will help determine the path forward. Alternate Commissioner Polzin indicated that the study has intriguing solutions and she would like to see additional information included in the final report such as impacts on the sanitary sewer and a list of potential

partners or grant funds that might be available if a solution moves forward. It was noted that this seems more like a demonstration project.

There was discussion about ongoing sources of chloride within the lake’s subwatershed, including the Hennepin County maintenance facility. It was noted that there is historical, high chloride loading to the lake being addressed here and that this project is just one mechanism being used to reduce chlorides in the lake.

MOTION: Commissioner Welch moved to authorize a not to exceed amount of \$45,000 for the Study of Chloride Extraction/Dilution from Parkers Lake. Commissioner Carlson seconded the motion. The motion carried 6-0, with the cities of Robbinsdale, St. Louis Park, and Golden Valley absent from the vote.

E. Consider Approval of Resolution 22-08 Certifying Final 2023 Levy to Hennepin County

Administrator Jester reminded commissioners that at the meeting in June, the Commission set a maximum 2023 levy of \$2,207,000 and that final 2023 levy figures are due to Hennepin County at the beginning of October. She noted her recommendation to certify a final levy of \$2,207,000 by resolution. She further explained how additional expenses for the Bryn Mawr Project were added to the 2023 levy by moving funds away from the SEA School-Wildwood Park Flood Reduction Project in 2023 and into the 2024 levy. She reviewed impacts to the overall CIP table.

MOTION: Commissioner Carlson moved to adopt Resolution 22-08 certifying a final levy of \$2,207,000 to Hennepin County for 2023. Commissioner Gwin-Lenth seconded the motion. The motion carried 6-0, with the cities of Robbinsdale, St. Louis Park, and Golden Valley absent from the vote.

F. Receive Report on One Water Summit

Administrator Jester gave a brief report on the One Water Summit she attended in Milwaukee, WI as part of the Met Council’s delegation. She noted that she attended several sessions on providing equity in water services and participated in a three-hour workshop on how to use the Equity Guide for Green Stormwater Infrastructure Practitioners. She noted the Summit was a very large event with over 800 people from all over the United States and video or in-person addresses from Vice President Kamala Harris, Wisconsin Governor Evers, Wisconsin DNR Commissioner, and President Biden’s appointee to lead implementation of the new Infrastructure and Investment and Jobs Act.

6. COMMUNICATIONS

A. Administrative Report

Administrator Jester asked for volunteers for the September 25th events. She also reported on attending an event in the Jordan Neighborhood in Minneapolis; an abstract for a presentation on water quality improvements in Sweeney Lake being accepted for the MAWD conference; a request for a presentation on the history of the BCWMC and watershed management for the Golden Valley Historical Society; and articles in the Sun Post and Sun Sailor on the BCWMC Plan Update process and public input survey.

B. Chair

Chair Cesnik asked about the Commission’s role in filling vacant commissioner and alternate commissioner positions. Administrator Jester noted it is the member city’s role to fill positions but that she can help develop materials for recruiting. There was discussion about mechanisms, barriers, and drivers for recruiting volunteers.

C. Commissioners

Commissioner Carlson relayed the pressure that property owners get from their lawyers and the public to apply more winter salt to avoid slip and fall lawsuits. Commission Engineer Chandler noted that Barr Engineering staff attended the Salt Symposium and will bring ideas for salt reduction to the Commission.

D. TAC Members

TAC Chair Mark Ray reported on a blue green algae bloom in Winnetka Pond. Golden Valley TAC member Eric Eckman reported that bids for the Medley Park Stormwater Improvement Project came in under engineer’s estimates and that a contract would be awarded by the city soon. Plymouth TAC member Ben Scharenbroich reported a blue green algae bloom on Lost Lake.

It was noted the TAC will meet during their regular time on Wednesday October 5th at 10:30 a.m. at Brookview. Alternate Commissioner Hauer agreed to be the liaison.

E. Committees

No reports were given.

F. Legal Counsel

No report was given.

G. Engineer

Commission Engineer Chandler reported that the Main Stem Lagoon Dredging project bid documents were posted on September 9th, with bids due September 30th, and she expects an engineer's recommendation to award the contract at the October Commission meeting. She also noted that the hot, dry summer has contributed to blue green algae blooms, including continued high numbers in Northwood Lake.

Before the meeting adjourned, there was discussion about where to hold future BCWMC meetings. There was discussion that the current meeting space (the Council Conference Room at Golden Valley City Hall) seemed to work nicely and should be used moving forward. The room may also support hybrid meetings in the future.

7. INFORMATION ONLY (Information online only)

- i. BCWMC Administrative Calendar
- ii. CIP Project Updates www.bassettcreekwmo.org/projects
- iii. Grant Tracking Summary and Spreadsheet
- iv. WCA Notices – Plymouth
- v. [News Story on Winnetka Pond Blue Green Algae](#)

8. ADJOURNMENT

The meeting adjourned at 10:41 a.m. Future meetings will be held in the same room.

Bassett Creek Watershed Management Commission

Item 4B.
BCWMC 10-20-22

Statement of Financial Position

		Capital Improvement Projects	General Fund	TOTAL
ASSETS				
Current Assets				
Checking/Savings				
	101 · Wells Fargo Checking	157,681.32	627,570.79	785,252.11
	102 · 4MP Fund Investment	3,501,986.62	21,709.28	3,523,695.90
	103 · 4M Fund Investment	2,483,650.36	14,985.52	2,498,635.88
	Total Checking/Savings	6,143,318.30	664,265.59	6,807,583.89
Accounts Receivable				
	111 · Accounts Receivable	0.00	600.67	600.67
	112 · Due from Other Governments	52,806.40	-0.26	52,806.14
	113 · Delinquent Taxes Receivable	11,396.55	0.00	11,396.55
	Total Accounts Receivable	64,202.95	600.41	64,803.36
Other Current Assets				
	114 · Prepays	0.00	2,978.75	2,978.75
	116 · Undeposited Funds	0.00	1,500.00	1,500.00
	Total Other Current Assets	0.00	4,478.75	4,478.75
	Total Current Assets	6,207,521.25	669,344.75	6,876,866.00
TOTAL ASSETS		6,207,521.25	669,344.75	6,876,866.00
LIABILITIES & EQUITY				
Liabilities				
Current Liabilities				
Accounts Payable				
	211 · Accounts Payable	27,004.57	104,949.11	131,953.68
	Total Accounts Payable	27,004.57	104,949.11	131,953.68
Other Current Liabilities				
	212 · Unearned Revenue	438,823.00	0.00	438,823.00
	251 · Unavailable Rev - property	11,396.55	0.00	11,396.55
	Total Other Current Liabilities	450,219.55	0.00	450,219.55
	Total Current Liabilities	477,224.12	104,949.11	582,173.23
	Total Liabilities	477,224.12	104,949.11	582,173.23
Equity				
	311 · Nonspendable prepaids	0.00	2,978.75	2,978.75
	312 · Restricted for improvements	4,562,582.00	0.00	4,562,582.00
	315 · Unassigned Funds	0.00	375,424.57	375,424.57
	32000 · Retained Earnings	1,075,938.11	15,876.48	1,091,814.59
	Net Income	91,776.76	170,116.10	261,892.86
	Total Equity	5,730,296.87	564,395.90	6,294,692.77
TOTAL LIABILITIES & EQUITY		6,207,520.99	669,345.01	6,876,866.00
UNBALANCED CLASSES		0.26	-0.26	0.00

Bassett Creek Watershed Management Commission					
Statement of Revenues, Expenditures and Changes in Fund Balances - General					
		Annual Budget	Sep 15 - Oct 20, 22	Year to Date	Budget Balance
Ordinary Income/Expense					
Income					
	411 · Assessments to Cities	565,998.00	0.00	565,998.00	0.00
	412 · Project Review Fees	60,000.00	10,000.00	58,126.21	1,873.79
	413 · WOMP Reimbursement	5,000.00	0.00	1,875.00	3,125.00
	414 · State of MN Grants	0.00	0.00	12,044.48	-12,044.48
	415 · Investment earnings	0.00	11,067.05	36,694.80	-36,694.80
	416 · TRPD Reimbursement	1,400.00	0.00	13,900.00	-12,500.00
	Total Income	632,398.00	21,067.05	688,638.49	-56,240.49
Expense					
1000 · Engineering					
	1010 · Technical Services	145,000.00	12,050.00	94,094.00	50,906.00
	1020 · Development/Project Reviews	75,000.00	11,107.50	71,711.42	3,288.58
	1030 · Non-fee and Preliminary Reviews	22,000.00	833.00	13,322.50	8,677.50
	1040 · Commission and TAC Meetings	14,000.00	1,074.25	9,488.46	4,511.54
	1050 · Surveys and Studies	10,000.00	5,079.50	10,422.00	-422.00
	1060 · Water Quality / Monitoring	110,000.00	14,291.11	82,465.65	27,534.35
	1070 · Water Quantity	8,000.00	1,124.00	4,344.51	3,655.49
	1080 · Annual Flood Control Inspection	12,000.00	506.50	12,816.50	-816.50
	1090 · Municipal Plan Review	2,000.00	0.00	741.50	1,258.50
	1100 · Watershed Monitoring Program	28,500.00	5,504.40	17,369.70	11,130.30
	1110 · Annual XP-SWMM Model Updates	5,000.00	0.00	8,983.50	-3,983.50
	1120 · TMDL Implementation Reporting	7,000.00	90.00	1,140.00	5,860.00
	1130 · APM/AIS Work	13,000.00	0.00	36,844.06	-23,844.06
	1140 · Erosion Control Inspections	0.00	0.00	0.00	0.00
	1000 · Engineering - Other		0.00	0.00	0.00
	Total 1000 · Engineering	451,500.00	51,660.26	363,743.80	87,756.20
2000 · Plan Development					
	2010 · Next Gen Plan Development	18,000.00	2,217.00	25,944.00	-7,944.00
	2000 · Plan Development - Other		0.00	0.00	0.00
	Total 2000 · Plan Development	18,000.00	2,217.00	25,944.00	-7,944.00
3000 · Administration					
	3010 · Administrator	70,848.00	6,156.00	47,682.00	23,166.00
	3020 · MAWD Dues	7,500.00	0.00	7,500.00	0.00
	3030 · Legal	17,000.00	1,130.75	12,814.64	4,185.36
	3040 · Financial Management	13,500.00	1,000.00	9,500.00	4,000.00
	3050 · Audit, Insurance & Bond	18,700.00	0.00	18,118.00	582.00
	3060 · Meeting Catering	1,300.00	161.23	1,347.06	-47.06
	3070 · Administrative Services	8,000.00	547.32	4,496.89	3,503.11
	3000 · Administration - Other		0.00	0.00	0.00
	Total 3000 · Administration	136,848.00	8,995.30	101,458.59	35,389.41
4000 · Education					
	4010 · Publications / Annual Report	1,300.00	0.00	1,164.00	136.00
	4020 · Website	1,800.00	0.00	546.13	1,253.87
	4030 · Watershed Education Partnership	18,350.00	0.00	3,850.00	14,500.00
	4040 · Education and Public Outreach	28,000.00	10,966.80	21,815.87	6,184.13
	4050 · Public Communications	1,100.00	0.00	0.00	1,100.00
	4000 · Education - Other		0.00	0.00	0.00
	Total 4000 · Education	50,550.00	10,966.80	27,376.00	23,174.00
	Total Expense	656,898.00	73,839.36	518,522.39	138,375.61
	Net Ordinary Income	541,498.00	-52,772.31	736,114.10	-194,616.10
	Net Income	541,498.00	-52,772.31	736,114.10	-194,616.10

Bassett Creek Watershed Management Commission						
Statement of Revenues, Expenditures and Changes in Fund Balances - Capital Improvement Projects						
		Annual Budget	Sep 15 - Oct 20, 22	Year to Date	Inception to Date Expense	Remaining Budget
Ordinary Income/Expense						
Income						
	418 · Property Taxes		0.00	873,225.48		
	BC2,3,8 · DeCola Ponds B&C Improve		0.00	0.00		
	BC23810 · Decola Ponds/Wildwood Par	0.00	0.00	0.00		
	BC5 · Bryn Mawr Meadows	0.00	0.00	0.00		
	BC7 · Main Stem Dredging Project		0.00	0.00		
	BCP2 · Bassett Creek Park & Winnetka	0.00	0.00	0.00		
	CRM · Main Stem Cedar Lk Rd-Dupont	0.00	0.00	40,297.44		
	ML12 · Medley Park Stormwater Treatment		0.00	0.00		
	ML21 · Jevne Park Stormwater Mgmt	0.00	0.00	0.00		
	NL2 · Four Seasons Mall Area	0.00	0.00	0.00		
	SL1,3 · Schaper Pond Enhancement	0.00	0.00	0.00		
	SL8 · Sweeny Lake Water Quality	0.00	0.00	10,010.56		
	TW2 · Twin Lake Alum Treatment	0.00	0.00	0.00		
	Total Income	0.00	0.00	923,533.48		
Expense						
	2017CRM · CIP-Main Stem Cedar Lk Rd	1,064,472.00	0.00	596,360.42	728,389.67	336,082.33
	2024CRM · CIP-BS Main Stem Restore	85,500.00	4,417.50	4,417.50	4,417.50	81,082.50
	BC-238 · CIP-DeCola Ponds B&C	1,600,000.00	0.00	0.00	1,507,985.31	92,014.69
	BC-2381 · CIP-DeCola Ponds/Wildwood	1,300,000.00	0.00	0.00	56,789.39	1,243,210.61
	BC-5 · CIP-Bryn Mawr Meadows	1,835,000.00	2,277.00	125,347.16	253,181.33	1,581,818.67
	BC-7 · CIP-Main Stem Lagoon Dredging	2,759,000.00	7,982.65	58,391.89	172,819.71	2,586,180.29
	BCP-2 · CIP- Basset Cr Pk & Winnetka	1,123,351.00	0.00	0.00	1,066,648.32	56,702.68
	ML-12 · CIP-Medley Park Stormwater	1,500,000.00	0.00	0.00	87,218.61	1,412,781.39
	ML-20 · CIP-Mount Olive Stream Restor	178,100.00	0.00	0.00	43,157.42	134,942.58
	ML-21 · CIP-Jevne Park Stormwater Mg	500,000.00	0.00	1,319.50	56,390.75	443,609.25
	ML-22 · CIP-Ponderosa Wood Strm Res	43,800.00	2,891.00	2,891.00	2,891.00	40,909.00
	ML-23 · CIP-Purch High Eff St Sweeper	81,600.00	0.00	0.00	0.00	81,600.00
	NL-2 · CIP-Four Seasons Mall	990,000.00	0.00	0.00	185,236.56	804,763.44
	PL-7 · CIP-Parkers Lake Stream Restor	485,000.00	831.00	831.00	71,744.12	413,255.88
	SL-1,3 · CIP-Schaper Pond	612,000.00	0.00	16,473.55	459,551.97	152,448.03
	SL-8 · CIP-Sweeny Lake WQ Improver	568,080.00	8,605.42	25,724.70	368,429.49	199,650.51
	TW-2 · CIP-Twin Lake Alum Treatment	163,000.00	0.00	0.00	91,037.82	71,962.18
	Total Expense	16,532,526.00	27,004.57	831,756.72	5,560,388.97	10,972,137.03
	Net Ordinary Income	-16,532,526.00	-27,004.57	91,776.76	-5,560,388.97	
	Net Income	-16,532,526.00	-27,004.57	91,776.76		



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4D: Bassett Creek Park Pedestrian Bridge Improvement – Crystal, MN
BCWMC October 20, 2022 Meeting Agenda
Date: October 13, 2022
Project: 23270051.53 2022 2287

4D Bassett Creek Park Pedestrian Bridge Improvement–Crystal, MN BCWMC 2022-08

Summary:

Project Proposer: City of Crystal

Proposed Work: Installation of a new pedestrian bridge and associated grading

Basis for Review at Commission Meeting: Proposed crossing and fill in the floodplain

Impervious Surface Area: No change

Project Schedule: Fall/Winter 2022 Construction

Recommendation for Commission Action: Approval

General Project Information

The proposed project is located along the North Branch of Bassett Creek, approximately 130 feet north of Bassett Creek Park Pond in Crystal. The work includes replacement of a pedestrian bridge and associated grading, resulting in 0.12 acres of disturbance and no change in impervious surface from existing to proposed. Although the existing bridge abutments remain in place, the bridge has been removed. For clarity, this structure will be referenced as the existing bridge.

The initial application and submittal was received on August 26, 2022. The BCWMC engineer reviewed the submittal and provided comments to the city on September 2, 2022. The comments were addressed and revised plans and documentation were submitted on September 30, 2022.

Floodplain

The proposed project includes work in the BCWMC 100-year floodplain. The 1% annual-chance (base flood elevation, 100-year) floodplain elevation along the North Branch of Bassett Creek at the project site is 850.9 feet NAVD88. The February 2021 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects must meet the following criteria:

- Projects within the floodplain must maintain no net loss in floodplain storage
- Projects within the floodplain must maintain no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet).

- The lowest member of all crossings shall be at least 1 foot above the floodplain to prevent debris accumulation unless approved by the BCWMC.

Floodplain Storage

The proposed project will result in approximately 134 cubic yard of floodplain fill due to the installation of the new bridge. The proposed project will create 157 cubic yards of compensating storage northwest of the proposed bridge, resulting in a net gain of approximately 23 cubic yards of floodplain storage.

Floodplain Elevation (No Rise)

A HEC-RAS model was developed to model the existing and proposed condition to demonstrate no rise in flood level along the creek. The HEC-RAS model was used to perform a relative comparison of the existing bridge and the new bridge at this location.

Information used to create the HEC-RAS model included flow data and boundary conditions from the BCWMC XP-SWMM model, topography data from the MDNR, and survey data collected as part of the proposed project. The HEC-RAS model included roughly 320 feet of Bassett Creek north of Bassett Creek Park Pond. Approximately 190 feet of channel upstream of the pedestrian bridge was modeled, and 130 feet of the downstream channel was modeled. The applicant developed 8 cross-sections along this reach to define the channel and/or bridge geometry that was used to calculate the water surface level. Figure 1 shows the cross-section locations.

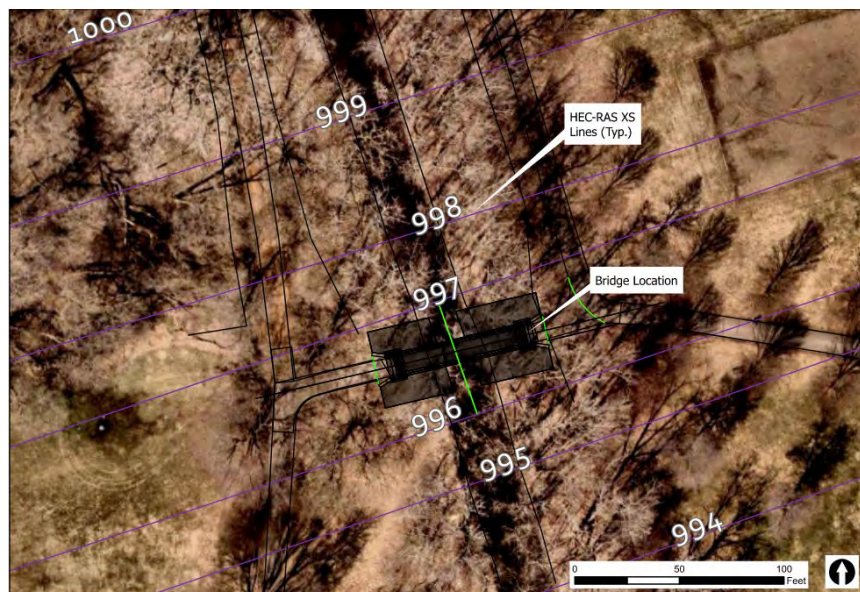


Figure 1: Model Extents in HEC-RAS

Table 1 reports the 100-year high water elevation for all eight cross sections for the existing conditions (existing bridge) and proposed conditions (new bridge). Results shown in Table 1 demonstrate “no increase in flood level” when comparing the existing and proposed bridge.

Table 1: Comparison of Existing and Proposed 100-Year High Water Elevation

Cross-Section	100-Year Existing High Water Elevation (ft)	100-Year Proposed High Water Elevation (ft)	Increase in Flood Level from Proposed to Existing (ft)
1000	850.91	850.91	0.00
999	850.92	850.92	0.00
998	850.91	850.91	0.00
997	850.91	850.91	0.00
996	850.90	850.90	0.00
995	850.90	850.90	0.00
994	850.90	850.90	0.00

Lowest Crossing Member

The existing bridge and the proposed bridge both have portions of the bridge deck lower than the 100-year floodplain elevation. For the proposed project, the lowest member is 4.2 feet below the 100-year floodplain (compared to 4.5 feet for existing conditions). The conveyance area under the bridge will increase by approximately 65 square feet under proposed conditions (from 349 square feet to 414 square feet).

The Requirements document states the lowest member of all crossings shall be at least 1 foot above the floodplain unless approved by the BCWMC, to minimize obstruction of flood flows. The floodplain in this area is over 250 feet wide, thus spanning the floodplain to avoid impacts is not feasible. Also, raising the bridge abutments would be counterproductive because fill would be needed at the bridge approaches, which would reduce the cross-sectional area of the floodplain. At this location along the creek, a significant portion of the conveyance area is in the floodplain, so the modification in the bridge elevation should not significantly alter the 100-year flow flows. Due to the wide floodplain, flood flows will pass around the proposed bridge, thus, the new bridge will not result in stage increases during flooding (as shown in Figure 1). The BCWMC has approved similar pedestrian/golf cart bridge projects at wide floodplain locations where the bridge across the creek did not meet the lowest member criteria (i.e. Theodore Wirth Park, Golden Valley Country Club). City staff will remove and clear debris as it collects under the bridge as part of its maintenance plan.

Lakes, Streams, and Wetlands

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

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.

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4D: Bassett Creek Park Pedestrian Bridge Improvement – Crystal, MN
Date: October 13, 2022
Page: 4

Water Quality

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







Erosion and Sediment Control

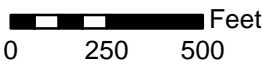
The proposed project results in more than 10,000 square feet of land disturbance; therefore, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features includes stabilized construction entrance, silt fence, and floating silt curtain. Permanent erosion and sediment control features include stabilization riprap, seed and turf.

Recommendation

Approval



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



BCWMC #2022-08
 BASSETT CREEK PARK
 PEDESTRIAN BRIDGE
 IMPROVEMENT
 Crystal, MN
 LOCATION MAP



Memorandum

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4E: Brookview Golf Course Streambank Stabilization – Golden Valley, MN
BCWMC October 20, 2022 Meeting Agenda
Date: October 13, 2022
Project: 23270051.53 2022 2292

4E Brookview Golf Course Streambank Stabilization – Golden Valley, MN BCWMC 2022-13

Summary:

Project Proposer: City of Golden Valley

Proposed Work: Stream stabilization

Basis for Review at Commission Meeting: Work involving Bassett Creek trunk system

Impervious Surface Area: No change

Project Schedule: November/December 2022 Construction

Recommendation for Commission Action: Approval

General Project Information

The proposed project is in the Bassett Creek Main Stem subwatershed in the Brookview Golf Course owned and operated by the City of Golden Valley. The proposed project includes stabilizing approximately 500 linear feet of Bassett Creek by streambank grading and installing hybrid restoration techniques (i.e., a combination of soft armoring like vegetation and hard armoring such as rock riprap).

The initial application and submittal was received August 8, 2022. The BCWMC engineer reviewed the submittal and provided comments to the city on August 30, 2022. The BCWMC engineer met with the city and its consultant on September 23, 2022 to discuss the comments for the proposed project. The comments were addressed and revised plans and supporting documentation were submitted on September 30, 2022.

Floodplain

The proposed project includes work in the BCWMC (Bassett Creek Main Stem) 100-year floodplain. The 1% annual-chance (base flood elevation, 100-year) floodplain elevation of Bassett Creek Main Stem near the proposed project site is 888.1 feet NAVD88. The February 2021 BCWMC Requirements for Improvements and Development Proposals (Requirements) document states that projects within the floodplain must maintain no net loss in floodplain storage and no increase in flood level at any point along the trunk system (managed to at least a precision of 0.00 feet). The proposed project will result in

an increase of approximately 358 cubic yards of floodplain storage.. The applicant used the BCWMC XP-SWMM model to demonstrate no-rise for the 100-year floodplain elevation along the trunk system.

Lakes, Streams, and Wetlands

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

The purpose of the proposed project is to stabilize approximately 500 linear feet of Bassett Creek by grading a 3:1 slope and armoring the banks against erosion. The existing channel stretch has 1.5:1 side slopes, which were eroding. Figure 1 shows that the eastern bank erosion and undercutting has led to exposed roots and failed trees.



Figure 1: Channel erosion in the proposed project area

The BCWMC Stream Restoration and Protection Policies (policy 60) encourage the use of soft armoring techniques (rock vanes, geotextiles, plants, logs, etc.) as much as possible and wherever feasible as opposed to hard armoring techniques such as rock riprap. At a meeting with the city and its consultant, the hybrid stabilization approach and the Commission Engineers' recommendation to re-evaluate soft armoring solutions were discussed.

Given the shallow heights of the banks and site constraints, the applicant proposed a hybrid restoration technique that includes hard armoring practices (field stone) and soft armoring (partially buried field

stone with native seeding) as shown in Figure 2 and Figure 3. After the meeting, the city reviewed the plans along the outside bends and modified the design to remove over 100 cubic yards of rock by increasing soft armoring.

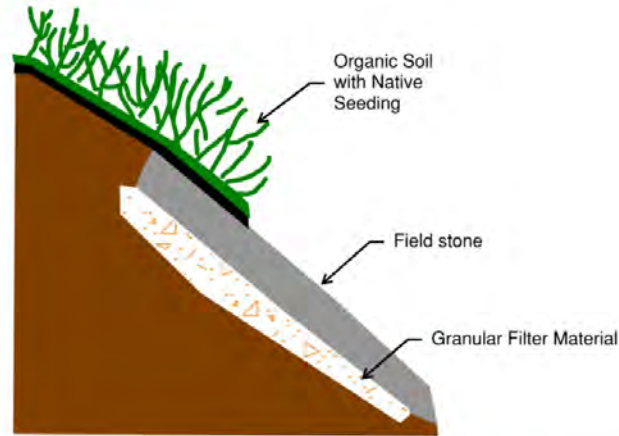


Figure 2: Graphic to demonstrate proposed hybrid armoring technique



Figure 3: Proposed hybrid armoring technique, as installed in a stream on a previous project

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.

To: Bassett Creek Watershed Management Commission (BCWMC)
From: Barr Engineering Co. (Barr)
Subject: Item 4E: Brookview Golf Course Streambank Stabilization – Golden Valley, MN
Date: October 13, 2022
Page: 4

Water Quality

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

Erosion and Sediment Control

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

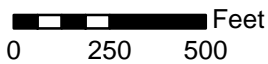
Recommendation

Approval



Project Location

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



BCWMC #2022-13
 BROOKVIEW GOLF COURSE
 STREAMBANK STABILIZATION
 Golden Valley, MN

LOCATION MAP

October 12, 2022

Item 5A.
BCWMC 10-20-22
Plan Set Available
Online



7800 Golden Valley Road
Golden Valley, MN 55427

Ms. Laura Jester
BCWMC Administrator
Keystone Waters, LLC
16145 Hillcrest Lane
Eden Prairie, MN 55346

Subject: DeCola Ponds SEA School-Wildwood Park Flood Mitigation Project
City Project 20-27; BCWMC CIP Project BC-2,3,8,10
90% Design Plans

Dear Laura:

Enclosed please find Barr Engineering's correspondence dated October 12, 2022 along with the 90% design plans for the SEA School-Wildwood Park Flood Mitigation Project. These items are being submitted for consideration at the BCWMC meeting scheduled for October 20, 2022.

Please call me at 763-593-8034 if you have any questions regarding the enclosures.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Oliver".

Jeff Oliver, P.E.
City Engineer

Enclosures

C: Eric Eckman, Environmental Resources Supervisor

October 12, 2022

Mr. Jeff Oliver, P.E.
City Engineer
City of Golden Valley
7800 Golden Valley Road
Golden Valley, MN 55427

**Re: 90% Design Plans - SEA School-Wildwood Park Flood Mitigation Project Golden Valley
Project 20-27**

Dear Mr. Oliver:

Attached please find the 90% design plans for the SEA School-Wildwood Park Flood Mitigation project. This project is the third in a series of capital projects designed to reduce chronic flooding in the Medicine Lake Road & Winnetka Avenue Area and DeCola Ponds neighborhood. The project (BCWMC CIP project BC-10) will be funded by several sources including the Minnesota Department of Natural Resources Flood Damage Reduction Grant, the BCWMC's ad valorem tax levy (via Hennepin County) for CIP projects, and funding from the City of Golden Valley. Per the cooperative agreement between the City of Golden Valley and the BCWMC, the city is to construct the project, and the plans and specifications are subject to approval by the Commission. Also, per the agreement, the 90% design plans for this project must be submitted to the BCWMC for review and approval. If the attached 90% plans meet the city's approval, we recommend submitting them, along with this letter, to the BCWMC for inclusion in the meeting packet for their October 20, 2022 meeting. Barr staff will present the 90% plans to the BCWMC at the meeting and answer any questions from the BCWMC.

The remainder of this letter presents information about the feasibility study, the design features of the project, and approval/permitting needs.

Feasibility Study Summary and Selected Project

The BCWMC's *SEA School-Wildwood Park Flood Mitigation Project Feasibility Study* (Barr Engineering, June 2021) examined the feasibility of three different concepts for the modification to the DeCola Pond D outlet, diversion of runoff away from DeCola Pond E, expansion of flood mitigation volume, increasing water quality treatment, and habitat improvement in the area around Wildwood Park owned by the City of Golden Valley and the northern drive area at the K-4th grade School of Engineering and Arts (SEA) School property, owned by Robbinsdale Area Schools. This project will significantly reduce flood elevations on DeCola Pond D, slightly reduce flood elevations on DeCola Ponds E & F, and increase pollutant removals from watershed runoff, which ultimately drains to Bassett Creek.

The three concepts developed during feasibility included:

- 1) Concept 1 – Underground Storage with a Stream

- 2) Concept 2 – Open Water
- 3) Concept 3 – Wet Meadow

The feasibility report recommended the implementation of Concept 3, which includes installing a vegetated iron-enhanced sand filter to provide additional water quality treatment of runoff diverted to the project area, and the creation of two wet meadow areas and a higher prairie area for the storage of 8.5 acre-ft of flood waters. The feasibility report estimated that project implementation (Concept 3) would reduce the 100-year flooding on DeCola Pond D by 2.8 feet, eliminating the risk of flooding at all homes on this pond during the 100-year event. Although the project only slightly reduces the 100-year peak flood elevation on DeCola Ponds E and F, it has a more significant impact during smaller, more frequent events like the 10-year event. The project further reduces the annual total phosphorus load to Bassett Creek by 4.1 pounds per year. Additionally, the concept would restore 2.3 acres of wetland and prairie habitat in the SEA School/Wildwood Park area along with 0.7 acres of restored turf grass.

At their June 2021 meeting, the Commission approved the final feasibility study for this project, supporting implementation of Concept 3, and the Commission ordered the project at their September 2021 meeting. Design began in early October 2021.

Design features – 90% plans

The 50% plans were approved by the BCWMC at the January 2022 meeting. As presented at the meeting, the 50% design reflected a flood mitigation concept that preserved the existing playground, shade structure, and basketball court and realigned the SEA School driveway to accommodate additional storage. This design was based on feedback received from Robbinsdale Area Schools during the City of Golden Valley planning study as well as the BCWMC feasibility study. The 50% design was presented to the public at a virtual open house on February 3, 2022.

Following review of the 50% design, Robbinsdale Area Schools discussed new plans for capital improvements at the school site and expressed concern about realignment of the north driveway. The City undertook additional engagement with Robbinsdale Area Schools to define a revised solution that meets the flood mitigation needs of the project and the requests of the school. This included preservation of the existing driveway alignment, while shifting the location of the shared playground and shade structure on to the SEA School property to provide additional flood storage within Wildwood Park. This revised 50% design was presented to the public at an in-person open house on June 1, 2022. The flood mitigation project will include the construction of an ADA-accessible path, a concrete pad and new or relocated shade structure, and playground envelope curb and subgrade to replace existing infrastructure removed for the construction of the flood mitigation storage. However, the school district will be leading the design and construction of the playground structure and associated components and is committed to maintaining shared public access to these community assets.

The 90% design reflects all the comments from the City of Golden Valley staff, City Commissioners, Robbinsdale Area School district staff, SEA School Faculty, neighborhood residents, park users, residents along the DeCola Pond D outlet, and the public during the feasibility study, the 50% design and 50%

revised design public open houses, and a more recent 90% design in-person public open house held on September 29, 2022.

The table below compares the flood mitigation volume developed, the increase in total phosphorus removal, and restored wetland and prairie areas, as presented in the feasibility study, the 50% design plans, and the 90% design plans.

	Flood Mitigation Volume Developed	At-Risk Structures (exist/prop)	Additional Total Phosphorus Removal	Restored Wetland and Prairie Area	Restored Turf Area	Total Project Cost (Construction + Engineering)
Feasibility Study (June 2021)	8.5 acre-ft	10 yr: (9/6) 100 yr: (29/19)	4.1 lb/yr	2.3 acres	0.7 acres	\$3.1 million
50% Design Plans	8.1 acre-ft	10 yr: (9/7) 100 yr: (29/19)	4.0 lb/yr	2.2 acres	1.1 acres	\$3.1 million
90% Design Plans	8.5 acre-ft	10 yr: (9/7) 100 yr: (29/19)	3.9 lb/yr	2.1 acres	1.2 acres	\$3.1 million

The current 90% design plans capture the same flood mitigation volume as originally identified during the feasibility study with modifications to the design. The current design results in slightly less annual total phosphorus removal (0.2 pounds) than what was achieved during feasibility due to minor modifications to the filtration basin design.

The main components of the 90% design include:

1. Upsizing the outlet from DeCola Pond D to a 48" RCP with design and restoration in coordination with impacted property owners and City maintenance staff.
2. Diverting runoff from Pennsylvania Ave and Duluth Street toward the water quality treatment and flood storage in the SEA School-Wildwood Park properties, including pretreatment of flows prior to the iron-enhanced sand filtration basin.
3. Providing an iron-enhanced sand filtration basin that integrates vegetation/screening between the iron-enhanced sand filtration trenches, for the removal of particulate and soluble phosphorus.
4. Developing approximately 8.5 acre-feet of flood storage, with an overflow berm and extended detention outlet in the northeast corner of the project area, discharging to the storm sewer system at the corner of Duluth Street and Kelly Drive.
5. Incorporating a low wet meadow habitat area including a sloped, intermittent stream channel in the north wet meadow and sloped bottom in the east wet meadow to promote better drainage toward the proposed outlet. The intermittent stream channel will provide energy dissipation at

the outlet into the north wet meadow and can also be used as a seating and interactive play area. The restored prairie area located on the south end of the park includes an outdoor classroom, which provides seating along a more vertical slope for additional flood storage and a small open area within the prairie for SEA school students and staff as part of their outdoor curriculum. The interactive seating and play areas and outdoor classroom space is provided to mitigate the lost classroom and play areas impacted by the creation of flood storage throughout the park. All areas restored as turf in the project area are proposed as bee lawns and have a specific community purpose (neighborhood groups, recreation groups, etc) based on stakeholder input.

6. Replacing disturbed trails with an accessible looped walking trail around the site that is above the approximate 10-year flood event elevation, to make the trail more accessible, reduce maintenance needs, provide maintenance access to the stormwater features, and reflect community input. Trails are aligned with the back of curb along Duluth Street and Kelly Drive, based on conversation with city staff, to improve safety by reducing ice dam potential and eliminating the need for salt/chloride treatment, while maximizing flood storage volume. Additionally, the trail alignments and design include access and space needs around the pickleball courts (based on input from Golden Valley parks staff), and consider future Safe Routes to School alignments along Kelly Drive (based on direction from Golden Valley engineering staff). The cost of these park features will be paid for by non-BCWMC project funds.
7. Restoring a variety of habitat types and replanting trees to mitigate loss of some significant trees and provide shade in specific locations. We estimated that 49 significant trees, as defined by City of Golden Valley Ordinance, will be removed. The 90% design includes a tree planting plan that meets the City of Golden Valley's goal of replacing significant tree removals at a ratio of at least 1:1, by replacing with 87 trees based on stakeholder input. The City of Golden Valley has already transplanted several trees that were determined to be good candidates for salvaging rather than removing.
8. Maintaining the northern SEA School bus driveway in its current alignment. The driveway will not be realigned with Maryland Avenue, as originally shown in the 50% plans, based on feedback from Robbinsdale Area Schools facilities staff following the 50% design review. To provide the required amount of flood storage, the playground and shade structure locations were shifted to the SEA School property. The flood mitigation project will include the construction of an ADA-accessible path, a concrete pad for the new or relocated shade structure, and playground envelope curb and subgrade to replace existing infrastructure being relocated for the construction of the flood mitigation storage. However, the school district will be leading and financing the design and construction of the playground structure and associated components and is committed to maintaining shared public access to these community facilities. As we finalize plans, we are continuing to investigate phasing construction in this area to minimize impacts to SEA School access and operations.
9. Preserving key park features, including the pickleball courts, the wooded knoll, the sledding hill, and open turf areas for various recreation activities and gathering (e.g., the northeast corner of the park).

The drawings are at a 90% design stage, which means there are minor details yet to be worked out before the design is final and ready for bid. Additionally, the 90% plans have been provided to the residents around the DeCola Pond D outlet and to the Robbinsdale Area School District facilities staff for review and comment; revisions to the plans based on comments received will be incorporated into the design. Any comments received from the BCWMC will also be addressed in the ongoing revisions to the 90% design drawings.

Approvals/permit requirements

In addition to BCWMC approval of the plans, other permits/approvals will be required for this project. Other permitting and reviews include the following:

- MPCA Construction Stormwater General Permit
- Compliance with the Minnesota Wetland Conservation Act (WCA)
- City of Golden Valley Right-of-Way Permit
- City of Golden Valley Stormwater Permit

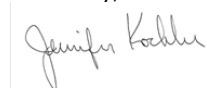
We anticipate that the permitting process could take 2-3 months. We submitted the WCA application materials in early October 2022 to begin the permitting review process, with the permitting anticipated to be complete by December 2022.

Recommendations

We recommend that the city request 1) BCWMC approval of the 90% drawings, and 2) BCWMC authorization for the city to proceed with 100% design, permitting and contract documents and bidding the project when ready.

If you have any questions, please contact me at 952-832-2750 or jkoehler@barr.com.

Sincerely,



Jennifer Koehler, P.E.
Senior Water Resources Engineer

90% design

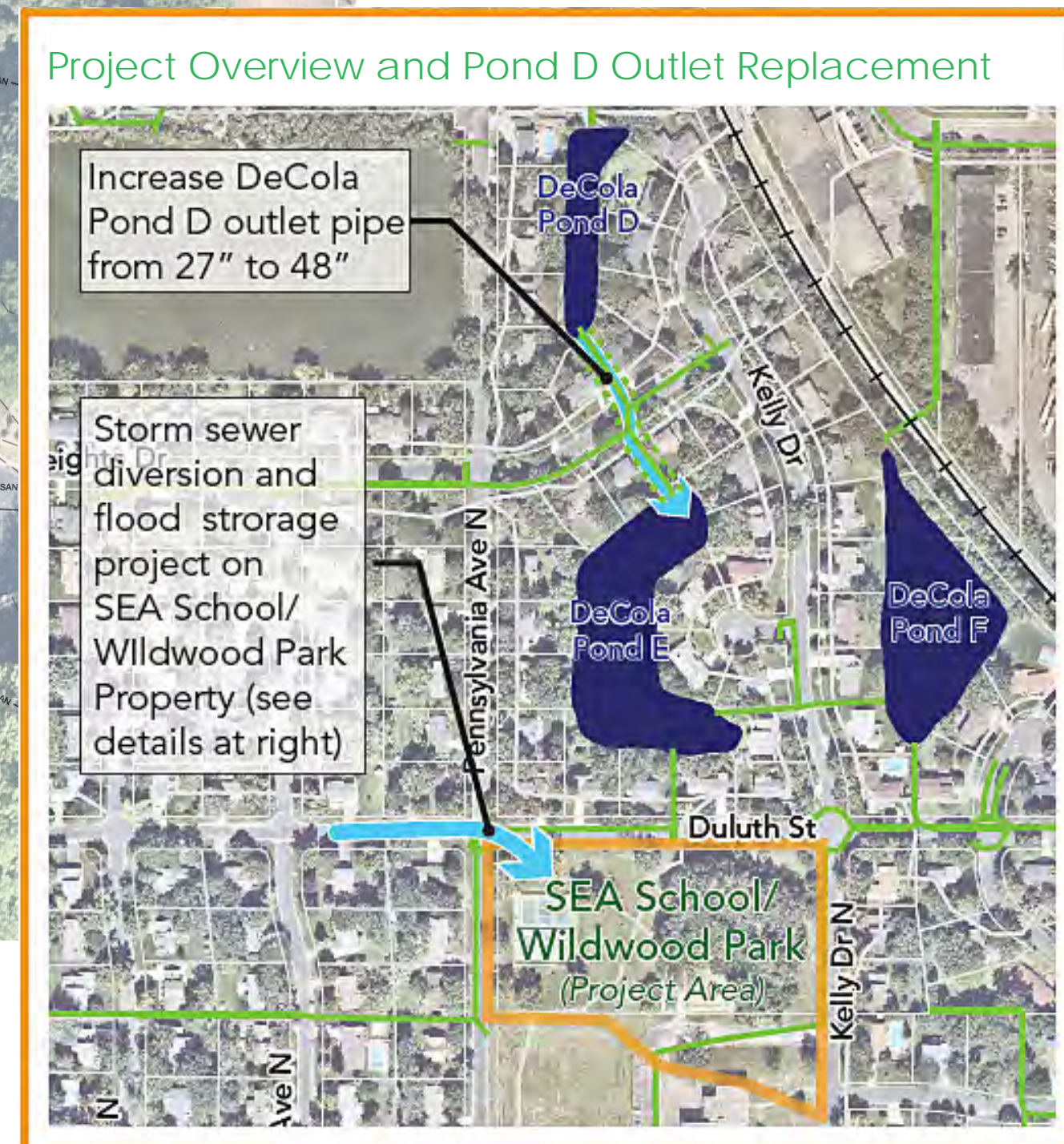
Total project cost (-10%/+15%) = \$3.1 million (estimated construction cost = \$2.6 million)



SEA School & Wildwood Park Flood Mitigation Project 90% Design Plan

LEGEND

- Preserved Woodland
- Existing Footpath
- Natural Surface Path
- Proposed Paved Trails
- Proposed Concrete Pad
- Proposed Vegetation**
- Perennial Plantings
- Wet Meadow Seeding + Planting
- Prairie Seeding + Planting
- Turf Seeding
- Tree Planting
- Screening Planting



Design summary

- Additional flood storage created:**
8.5 acre-feet
 - Improved water quality:**
Additional 3.9 lbs/yr phosphorus removed
 - Restored wetland and prairie habitat:**
2.1 acres total
 - Restored turf area:**
1.2 acres total
 - Tree replacement:**
49 significant trees removed
87 trees replanted
(meets replacement goal of 1:1)
 - Reduction of flood level on ponds:**
- | DeCola | 10-Yr | 100-Yr |
|--------|--------|--------|
| D | - 0.4' | - 3.0' |
| E,F | - 0.7' | - 0.1' |
- At-risk flooded structures (existing/proposed):**
- | DeCola | 10-Yr | 100-Yr |
|--------|-------|--------|
| D | 0/0 | 10/0 |
| E,F | 9/7 | 19/19 |



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5B: Consider Selection of Contractor and Award Contract for Main Stem Lagoon Dredging Project
BCWMC October 20, 2022 Meeting Agenda
Date: October 12, 2022

Recommendation:

The Commission Engineer recommends that the Commission award a contract for the Main Stem Lagoon Dredging Project (2021 CIP Project BC-7) to the lowest, responsive, and responsible bidder, Fitzgerald Excavating & Trucking Inc., by adopting Resolution No. 22-09.

1.0 Project Update and Results of Bid Opening

The Main Stem Lagoon Dredging Project will dredge accumulated, contaminated sediment from 3 lagoons within the creek in Theodore Wirth Park. Approximately 40,000 cubic yards of sediment will be removed, deepening the ponds to a depth of 6 feet. The goal is to complete the dredging project by spring 2023. Project webpage: www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project.

At its June 2022 meeting, the Commission authorized the advertisement of bids for this project. Bid documents were posted on September 9, 2022. At the bid opening on September 30, 2022, four bids were received, and we reviewed each in detail. Fitzgerald Excavating & Trucking Inc. (Fitzgerald) was the low bidder. Fitzgerald's bid was \$662,320 below the Engineer's Estimate for project construction.

Contractor Name	Bid
Fitzgerald Excavating & Trucking Inc.	\$1,588,970.00
Rachel Contracting, LLC	\$2,119,808.53
Peterson Companies, Inc.	\$2,180,610.80
<i>Engineers Estimate</i>	<i>\$2,251,290.00</i>
Veit & Company, Inc.	\$3,563,673.30

We received a signed Bid Bond and signed Responsible Bidder Affidavit-Oath from Fitzgerald, which indicates that they are a responsive bidder. Further, Fitzgerald's previous experience with dredging projects and our previous experience working with Fitzgerald on successful dredging projects in the Twin Cities area indicate they are a responsible bidder. The bid amount is within the Commission's project budget and the contractor has the requisite experience and qualifications to perform the project.

As the lowest, responsive and responsible bidder, we recommend that the Commission accept its bid and award the project to Fitzgerald Excavating & Trucking, Inc. Staff recommends the Commission adopt Resolution 22-09.

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
RESOLUTION NO. 22-09

A RESOLUTION ACCEPTING BID FOR THE MAIN STEM LAGOON DREDGING PROJECT

WHEREAS, pursuant to an advertisement for bids for the Main Stem Lagoon Dredging Project, 2021 CIP Project BC-7 (the "Project"), bids were received, opened, and tabulated according to law, and the following bids were received complying with the advertisement and thereafter presented to the Board of Commissioners of the Bassett Creek Watershed Management Commission (the "Commission"):

<u>Contractor</u>	<u>Total Bid</u>
Fitzgerald Excavating & Trucking Inc.	\$1,588,970.00
Rachel Contracting, LLC	\$2,119,808.53
Peterson Companies, Inc.	\$2,180,610.80
Veit & Company, Inc.	\$3,563,673.30

; and

WHEREAS, based on the above bids that were received and reviewed by the Commission Engineer, Fitzgerald Excavating & Trucking Inc. is deemed the lowest responsive and responsible bidder.

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

1. Fitzgerald Excavating & Trucking Inc.'s bid for the Project is hereby accepted. The Commission chair and secretary are authorized and directed to enter into a contract with Fitzgerald Excavating & Trucking Inc. in the name of the Commission for the Project, according to the bid package that was previously prepared.
2. Commission officials, staff and consultants, as the case may be, are hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next lowest bidder shall be retained until a contract has been executed.
3. Finally, Commission officials, staff and consultants are hereby authorized and directed to take any and all additional steps and actions necessary or convenient in order to accomplish the intent of this Resolution and carry out the Project as contemplated herein.

Adopted by the Board of Commissioners of the Bassett Creek Watershed Management Commission on the 20th day of October, 2022.

Chair

ATTEST: _____
Secretary



Bassett Creek Watershed Management

Item 5C.
BCWMC 10-20-22
Full Document
Online

MEMO

To: BCWMC Commissioners and Alternate Commissioners
From: BCWMC Technical Advisory Committee
Date: October 11, 2022

RE: Recommendations on Channel Maintenance Fund

The BCWMC Technical Advisory Committee met on October 5th to discuss multiple items. Attendees included:

City/Partner	Technical Advisory Committee Members and Others
Crystal	Absent
Golden Valley	RJ Kakach and Drew Chirpich
Medicine Lake	Susan Wiese
Minneapolis	Katie Kowalczyk
Minnetonka	Sarah Schweiger
New Hope	Nick Macklem
Plymouth	Ben Scharenbroich and Chris LaBounty
Robbinsdale	Mike Sorensen
St. Louis Park	Erick Francis
Others	Rachael Crabb (MPRB), Laura Jester, Karen Chandler, Alternate Commissioner Hauer

Channel Maintenance Fund Request for Plymouth Creek Project

The BCWMC maintains a Channel Maintenance Fund to help finance minor stream maintenance, repair, stabilization, sediment removal projects, smaller restoration projects, and/or portions of larger stream restoration projects. Policies related to this fund are found in the BCWMC Policy Manual in Section 3.5. www.bassettcreekwmo.org/application/files/3815/9050/1896/BCWMC_Policies_2016_Revisions_plus_20_20_DPA.pdf.

Each year, \$25,000 of annual operating funds are transferred to this long-term account. Cities with a portion of the BCWMC Trunk System are allocated a portion of the funds according to a formula. Cities can accumulate funds over time. Currently, the City of Plymouth has \$25,099 in Channel Maintenance Funds available.

The City of Plymouth is requesting the use of \$25,099 to repair a section of Plymouth Creek that was originally included in the Commission’s 2010 Plymouth Creek Restoration Project just west of West

Medicine Lake Park. However, the work was not completed at that time in this section, as the landowners were unwilling to participate in the project. Now, the current landowners are willing to have the project completed in this section of the creek.

The total project cost is estimated at \$50,000 - \$75,000. Project design is underway and will be reviewed by the Commission Engineer. The project will include stabilization of a highly eroded section using root wads, rock toe, and native plantings. An agreement between the city and the BCWMC is needed before work can begin.

Recommendations:

- The BCWMC Technical Advisory Committee (TAC) recommends that the Commission approve the use of \$25,099 in BCWMC Channel Maintenance Funds for the Plymouth Creek Restoration Project at 12615 24th Avenue North by the City of Plymouth
- The BCWMC TAC recommends that the Commission approve the attached agreement with the City of Plymouth.

Additional Discussion Topics

The TAC also began discussions on a request from Shingle Creek WMC to update the legal boundary of the watersheds. That discussion is ongoing as affected cities review and comment on proposed changes to the boundary. We expect this item to come before the Commission at the November meeting.

The TAC also discussed city activities related to chlorides and climate resiliency as part of the challenging issues analysis for the 2025 Watershed Management Plan. The information gathered from TAC members will be included with information gathered from other sources and presented to the Commission and/or Plan Steering Committee in the future.

**AGREEMENT FOR USE OF BASSETT CREEK WATERSHED MANAGEMENT COMMISSION
CHANNEL MAINTENANCE FUNDS**

This Agreement is made this _____ day of _____, 202__, by and between the Bassett Creek Watershed Management Commission, a Minnesota joint powers organization, (“BCWMC”) and the City of Plymouth, a Minnesota municipal corporation (“City”);

WHEREAS, the BCWMC has established a program to work in cooperation with member cities to fund channel maintenance projects; and

WHEREAS, the City has applied to the BCWMC for funds for a channel maintenance project in the City, a description of which is attached hereto as Exhibit A and is made part of this Agreement (the “Project”); and

WHEREAS, the BCWMC is willing to provide funding for the City’s Project in accordance with the terms and conditions hereinafter set forth.

NOW, THEREFORE, on the basis of the premises and the mutual covenants hereinafter set forth, the parties hereto agree as follows:

1. The City agrees to undertake and complete the work of the Project as described in the attached Exhibit A, and in accordance with BCWMC’s policies regarding such grant projects. The City may request a change in the Project, which may be authorized, in writing, by the BCWMC’s Administrator or Engineer.
2. The plans for the Project shall be reviewed by the BCWMC’s Engineer, who may approve or require modifications to the Plans. Project design, construction and maintenance will conform to all conditions of approval imposed by the BCWMC.
3. The City shall require that engineers, architects and contractors for the work of each part of the Project have liability insurance in the amount of at least the current statutory limits specified in Minnesota Statutes, Chapter 466, and that the BCWMC and the BCWMC’s Engineer are named as additional insureds on such policies. Before commencing construction of the Project, the City shall provide to the BCWMC a Certificate of Insurance demonstrating compliance with this requirement. The Certificate shall provide that the insurance may not be cancelled without giving the certificate holder the same notice of cancellation as is given to the policyholder. The City will require that the contractor defend, indemnify, protect and hold harmless the BCWMC and the City, their agents, officers, and employees, from all claims or actions arising from performance of the work of the Project conducted by the contractor.
4. The City shall undertake, or cause to be undertaken, the Project in accordance with the approved plans. Contracts will be awarded by the City in accordance with all applicable public bidding and contracting requirements including, but not limited to, requiring the contractor to provide performance and payment bonds to the extent required by law. The City will supervise the work of the contractor; however, the BCWMC may observe and review the work of the Project until it is completed. The City will pay the contractor and all other expenses related to the construction of the Project and keep and maintain complete records of such costs incurred.
5. The City shall be responsible for securing, or causing to be secured, all necessary permits for the work of the Project.

6. Upon completion of the work of the Project, the City shall secure record drawings prepared by the design engineer or architect, with a certification by the Contractor that the work was completed according to the approved plans. A copy of the record drawings and certification shall be forwarded to the BCWMC's Engineer.
7. The City will submit invoices to the BCWMC, no more frequently than monthly, for partial reimbursement for the work of the Project. Reimbursable expenses include out-of-pocket costs incurred for construction and the costs of design, engineering, and contract administration. Reimbursement will be made subject to the following limitations:
 - a) Total reimbursement for the work of the Project will not exceed \$25,099.00, and no reimbursement will be made for costs paid to the City by other parties.
 - b) Reimbursements will be made from that part of the BCWMC's Creek and Streambank Trunk System Maintenance, Repair and Sediment Removal Fund (the "Channel Maintenance Fund") allocated to channel maintenance in the City. If the cost of the Project exceeds \$25,099.00, the City may apply to the BCWMC for additional reimbursement from funds allocated to the City in the Channel Maintenance Fund.
8. Claims by the City for reimbursement shall be accompanied by such proof of costs as may reasonably be requested by the BCWMC, and the books and records of the City shall be available for inspection by the BCWMC upon reasonable notice during normal business hours. If the City intends to seek reimbursement for design, engineering, or contract administration by City staff, it is required to maintain and provide to the BCWMC detailed time records showing daily records of time spent, description of activities, staff personnel involved, and rate of total compensation. Hourly rates charged will include pro-rated salary and fringe benefits in accordance with the schedule of rates attached to this Agreement as Exhibit B, which rates are subject to annual adjustment commensurate with changes in City costs of salary and benefits.
9. The BCWMC shall reimburse the City for eligible expenses in accordance with this Agreement within 45 days of receipt of an invoice therefor, provided the BCWMC determines the invoice contains adequate details to allow reimbursement. If the BCWMC determines an invoice is not adequate, within 10 days of receipt it shall notify the City in writing of the additional information needed to make the invoice complete.
10. This Agreement will terminate on the third anniversary of the effective date of this Agreement, unless extended by mutual agreement of the City and the BCWMC. The BCWMC will have no obligation to reimburse claims not submitted prior to the termination date, or any agreed upon extension.
11. The parties agree that the BCWMC's participation in the Project is limited to the payment of channel maintenance grant funds in accordance with this Agreement. This Agreement does not make the BCWMC a partner, agent or co-venturer in the City's Project and the BCWMC will incur no responsibility or liability for the work of the City's Project.
12. The City will defend, indemnify, protect and hold harmless the BCWMC and its officers, employees, and agents from any claims arising out of the design, construction, or maintenance of the Project, including environmental claims. Nothing herein shall be deemed a waiver of the limitations of liability in Minnesota Statutes, Chapter 466.

13. This Agreement, including the attached exhibits and BCWMC Channel Maintenance Fund policies, contains all negotiations and agreements between BCWMC and City regarding the subject of this Agreement. No other agreements or understandings regarding this Agreement may be used to bind either party.
14. City's books, records, documents and accounting procedures and practices relevant to this Agreement are subject to examination by the State of Minnesota and the State Auditor or Legislative Auditor, as appropriate, for a minimum of six years from the end of this Agreement.
15. City shall comply with applicable provisions of the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13.

IN WITNESS WHEREOF, the parties have executed this Agreement effective as of the date and year first written above.

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Chair

And by: _____
Secretary

CITY OF PLYMOUTH

By: _____
Mayor

And by: _____
Manager

Program Schedule Overview

10-6-22

WEDNESDAY, NOVEMBER 30

- 10 A.M.-3 P.M. **MN Association of Watershed Administrators (MAWA) Meeting** - Lake Nokomis
4 P.M.-6 P.M. MAWD Board of Directors Meeting - Lake Nokomis

THURSDAY, DECEMBER 1

PRE-CONFERENCE SESSIONS

- 8 A.M.-9 A.M. Registration and Breakfast - Ballroom Lobby
9 A.M.-4 P.M. Watershed Management Workshop - Lake Nokomis
9 A.M.-4 P.M. Minnesota Drainage Seminar - Lake Itasca and Lake Vermillion
9 A.M.-4 P.M. Staff Development I The People Side of Watershed Management - Lake Minnewaska
12 P.M. Lunch - Lake Miltona

ANNUAL MEETING

- 6 P.M.-9 P.M. Trade Show and Welcome Reception - Tennis Center
5 P.M.-7 P.M. Night at the Movies - Lake Minnewaska

FRIDAY, DECEMBER 2

- 7 A.M.-9 A.M. Breakfast - Trade Show Floor, Tennis Center
8 A.M.-10:45 A.M. **MAWD Business Meeting and Resolutions Hearing** - Lake Itasca
8 A.M.-11:40 A.M. Morning Concurrent General Sessions, check schedule for room locations.
11:15 A.M. -12 P.M. Regional Caucuses
12 P.M.-2 P.M. Luncheon - Ballroom
Keynote Speaker: Paul Gardner, Executive Director - Clean Water Council
DNR Watershed District of the Year
BWSR Watershed District Employee of the Year Award
MAWA Watershed Administrator of the year Award
Trade Show Door Prizes
2 P.M.-4:30 P.M. **Afternoon Concurrent General Sessions**, check schedule for room locations
5 P.M.-6:30 P.M. Social Hour and Live Music - Ballroom
6:30 P.M.-8 P.M. Dinner and Awards - Ballroom
Watershed District Program of the Year Award
Watershed District Project of the Year Award
MAWD Convention Award - Night at the Movies "Best Picture"
MAWD Convention Award - Watershed District - Share your Best Idea Award

SATURDAY, DECEMBER 3

- 7 A.M.-9 A.M. Last Chance Networking Breakfast - Ballroom
9 A.M.-11 A.M. MAWD Board of Directors Meeting - Lake Miltona



Bassett Creek Watershed Management Commission MEMO

Date: October 12, 2022
From: Laura Jester, Administrator
To: BCWMC Commissioners
RE: **Administrator's Report**

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

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

2019 Medicine Lake Road and Winnetka Avenue Area Long Term Flood Mitigation Plan Implementation Phase I: DeCola Ponds B & C Improvement Project (BC-2, BC-3 & BC-8) Golden Valley (No change since Nov 2021): A feasibility study for this project was completed in May 2018 after months of study, development of concepts and input from residents at two public open houses. At the May 2018 meeting, the Commission approved Concept 3 and set a maximum 2019 levy. Also in May 2018, the Minnesota Legislature passed the bonding bill and the MDNR has since committed \$2.3M for the project. The Hennepin County Board approved a maximum 2019 levy request at their meeting in July 2018. A BCWMC public hearing on this project was held on August 16, 2018 with no comments being received. Also at that meeting the Commission officially ordered the project and entered an agreement with the City of Golden Valley to design and construct the project. In September 2018, the City of Golden Valley approved the agreement with the BCWMC. The [Sun Post](#) ran an article on this project October 2018. Another public open house and presentation of 50% designs was held February 6, 2019. An EAW report was completed and available for public review and comment December 17 – January 16, 2019. At their meeting in February 2019, the Commission approved the 50% design plans. Another public open house was held April 10th and a public hearing on the water level drawdown was held April 16th. 90% Design Plans were approved at the April Commission meeting. It was determined a Phase 1 investigation of the site is not required. The City awarded a contract to Dahn Construction for the first phase of the project, which involves earthwork, utilities, and trail paving and extends through June 2020. Dewatering began late summer 2019. Tree removal was completed in early winter; excavation was ongoing through the winter. As of early June 2020, earth work and infrastructure work by Dahn Construction is nearly complete and trail paving is complete. Vegetative restoration by AES is underway including soil prep and seeding. Plants, shrubs, and trees will begin soon along with placement to goose protection fencing to help ensure successful restoration. The construction phase of this project was completed in June with minor punch list items completed in September. The restoration and planting phase is complete except for minor punch list items and monitoring and establishment of vegetation over three growing seasons. A final grant report for BWSR's Watershed Based Implementation Funding was submitted at the end of January. City staff recently completed a site walk through to document dead or dying trees and shrubs in need of replacement (under warranty). This project (along with Golden Valley's Liberty Crossing Project) recently received the award for "Project of the Year" from the Minnesota Association of Floodplain Managers as part of the overall Project website: <http://www.bassettcreekwmo.org/index.php?cID=433> .

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

BCWMC developed options for contracting and implementation which were presented at the November meeting. At that meeting staff was directed to develop a memorandum of understanding or agreement among BCWMC, MPRB, and city of Minneapolis to recognize and assign roles and responsibilities for implementation more formally. The draft agreement was developed over several months and multiple conversations among the parties. At the May 2021 meeting the Commission approved to waive potential conflict of the Commission legal counsel and reviewed a proposal for project design by the Commission Engineer. The updated design proposal and the design agreement among all three parties were approved at the June 2021 meeting. Four public open houses were held in the park in 2021 to gather input on park concepts. Project partners met regularly throughout design to discuss schedules, planning and design components, and next steps. Concept designs were approved by the MRPB Board in late 2021. Staff met with MnDOT regarding clean out of Penn Pond and continue discussions. 50% design plans were approved by the Commission at the January meeting; 90% design plans were approved at the March meeting along with an agreement with MPRB and Minneapolis for construction. The agreement was approved by all three bodies. Commission Engineers finalized designs and assisted with bidding documents. Bids were returned in early August. At the meeting in August, the Commission approved moving forward with project construction (through MPRB), and approved a construction budget (higher than previously budgeted) and an amended engineering services budget. MPRB recently awarded the construction contract. Construction is expected to get underway in early November. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/bryn-mawr-meadows-water-quality-improvement-project>

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

2014 Schaper Pond Diversion Project and Carp Management, Golden Valley (SL-3) (No change since July): Repairs to the baffle structure were made in 2017 after anchor weights pulled away from the bottom of the pond and some vandalism occurred in 2016. The city continues to monitor the baffle and check the anchors, as needed. Vegetation around the pond was planted in 2016 and a final inspection of the vegetation was completed last fall. Once final vegetation has been completed, erosion control will be pulled and the contract will be closed. The Commission Engineer began the Schaper Pond Effectiveness Monitoring Project last summer and presented results and recommendations at the May 2018 meeting. Additional effectiveness monitoring is being performed this summer. At the July meeting the Commission Engineer reported that over 200 carp were discovered in the pond during a recent carp survey. At the September meeting the Commission approved the Engineer's recommendation to perform a more in-depth survey of carp including transmitters to learn where and when carp are moving through the system. At the October 2020 meeting, the Commission received a report on the carp surveys and recommendations for carp removal and management. Carp removals were performed through the Sweeney Lake Water Quality Improvement Project. Results were presented at the February 2021 meeting along with a list of options for long term carp control. Commission took action approving evaluation of the long-term options to be paid from this Schaper Pond Project. Commission and Golden Valley staff met in March 2021 to further discuss pros and cons of various options. At the September 2021 meeting, the Commission approved utilizing an adaptive management approach to carp management in

the pond (\$8,000) and directed staff to discuss use of stocking panfish to predate carp eggs. Commission Engineers will survey the carp in 2022. At the April meeting, the Commission approved panfish stocking in Schaper Pond along with a scope and budget for carp removals to be implemented later in 2022 if needed. Commission staff informed lake association and city about summer activities and plans for a fall alum treatment. Approximately 1,000 bluegills were released into Schaper Pond in late May. Carp population assessments by electroshocking in Sweeney Lake and Schaper Pond began on June 21st. Project webpage:

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

Sweeney Lake Water Quality Improvement Project, Golden Valley (SL-8): This project was added to the 2020 CIP list after receiving a federal 319 grant from the MPCA. It is partially a result of the carp surveys completed through the Schaper Pond Diversion Project and a study of the year-round aeration on Sweeney Lake. This project will treat curly-leaf pondweed in spring 2020, will remove carp in summer 2020, and will perform an alum treatment on Sweeney Lake in late summer 2020. The project was officially ordered by the Commission after a public hearing in September 2019. A public open house on this project was held via Webex on April 8th with approximately 20 people joining. The open house presentation and a question and answer document are available online. The curly-leaf pondweed herbicide treatment was completed in May. Carp Solutions performed carp tracking and setting nets in early June. The first round of netting resulted in 334 carp removed from Sweeney Lake (mean length 620 mm, mean weight 3.1 kg), representing an estimated 29% of the total population. From Schaper Pond 82 carp removed which likely represents about 17% of the initial population. After another round of carp removals in late July, 118 additional carp were netted from Sweeney. Based on preliminary estimates, approximately 40% of the carp population was removed from Sweeney this summer. The carp biomass was reduced from approximately 129 kg/ha to 79 kg/ha, which is below the threshold where adverse impacts on water quality are expected. The first round of alum treatment was completed in late October. A grant report and payment request were submitted at the end of January. A report on the results of the carp removals and recommendations for future management were presented at the February 2021 meeting. Long term carp management evaluation will happen through the Schaper Pond Diversion Project funding. A one-page overview of 2020 activities and outcomes was developed for the Sweeney Lake Association and [posted online](#) in March. This year, the Commission is continuing carp population assessments and performing an alum treatment this fall. At the September meeting the Commission awarded a contract for the alum treatment. The treatment is scheduled for the week of October 16th and expected to take place over 5 days. The project website: [Sweeney Lake Water Quality Improvement Project, SL-8](#)).

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

Water monitoring continues to determine if and when a second alum treatment is necessary. Lake monitoring results from 2017 were presented at the June 2018 meeting. Commissioners agreed with staff recommendations to keep the CIP funding remaining for this project as a 2nd treatment may be needed in the future. Project webpage:

<http://www.bassettcreekwmo.org/index.php?cID=278>.

2013 Four Seasons Area Water Quality Project (NL-2): At their meeting in December 2016, the Commission took action to contribute up to \$830,000 of Four Seasons CIP funds for stormwater management at the Agora development on the old Four Seasons Mall location. At their February 2017 meeting the Commission approved an agreement with Rock Hill Management (RHM) and an agreement with the City of Plymouth allowing the developer access to a city-owned parcel to construct a wetland restoration project and to ensure ongoing maintenance of the CIP project components. At the August 2017 meeting, the Commission approved the 90% design plans for the CIP portion of the project. At the April 2018 meeting, Commissioner Prom notified the Commission that RHM recently disbanded its efforts to purchase the property for redevelopment. In 2019, a new potential buyer/developer (Dominium) began preparing plans for redevelopment at the site. City staff, the Commission Engineer and I have met on numerous occasions with the

developer and their consulting engineers to discuss stormwater management and opportunities with “above and beyond” pollutant reductions. Concurrently, the Commission attorney has been working to draft an agreement to transfer BCWMC CIP funds for the above and beyond treatment. At their meeting in December, Dominion shared preliminary project plans and the Commission discussed the redevelopment and potential “above and beyond” stormwater management techniques. At the April 2020 meeting, the Commission conditionally approved the 90% project plans. The agreements with Dominion and the city of Plymouth to construct the project were approved May 2020 and project designers coordinated with Commission Engineers to finalize plans per conditions. In June 2021, the City of Plymouth purchased the property from Walmart. The TAC discussed a potential plan for timing of construction of the stormwater management BMPs by the city in advance of full redevelopment. At the August 2021 meeting, the Commission approved development of an agreement per TAC recommendations. Project webpage: <http://www.bassettcreekwmo.org/index.php?cID=282>.

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

2021 Parkers Lake Chloride Reduction Project (PL-7): The feasibility study for this project was approved in May 2020 with Alternative 3 being approved for the drainage improvement work. After a public hearing was held with no public in attendance, the Commission ordered the project on September 17, 2020 and entered an agreement with the city of Plymouth to implement the project in coordination with commission staff. City staff and I have had an initial conversation about this project. The city plans to collect additional chloride data this winter in order to better pinpoint the source of high chlorides loads within the subwatershed. Partners involved in the Hennepin County Chloride Initiative (HCCI) are interested in collaborating on this project. A proposal from Plymouth and BCWMC for the “Parkers Lake Chloride Project Facilitation Plan” was approved for \$20,750 in funding by the HCCI at their meeting in March. The project will 1) Compile available land use data and chloride concentrations, 2) Develop consensus on the chloride sources to Parkers Lake and potential projects to address these sources, and 3) Develop a recommendation for a future pilot project to reduce chloride concentrations in Parkers Lake, which may be able to be replicated in other areas of Hennepin County, and 4) help target education and training needs by landuse. A series of technical stakeholder meetings were held last fall and winter to develop recommendations on BMPs. A technical findings report was presented at the July 2022 meeting. At the September meeting, the Commission approved a scope and budget for a study of the feasibility of in-lake chloride reduction activities. That study is now underway by the Commission Engineer. Additionally, the city is sampling the stormwater pond at their maintenance facility. Project website: www.bassettcreekwmo.org/projects/all-projects/parkers-lake-drainage-improvement-project

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

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

underway in summer 2021. Dredging of all three lagoons is planned for winter 2022/2023. A grant agreement for the \$250,000 Watershed Based Implementation Funding grant was approved at the January 2021 meeting. The project work plan was approved by BWSR. In the spring 2021 the Commission approved a grant agreement for a Hennepin County Opportunity Grant for this project. An Environmental Assessment Worksheet was approved by the Commission at their October 2021 meeting and was submitted for a 30-day comment period by the City of Golden Valley as the RGU. A meeting of project stakeholders was held December 7th and 50% designs were approved at the December 2021 meeting. Comments were received on the EAW from multiple review agencies and one private citizen. Agency comments were relatively minor and expected. Comments from the citizen were more complex and detailed. Responses to comments were developed the RGU (city of Golden Valley) made an official declaration that no Environmental Impact Statement is needed. Staff reviewed a request from a resident to add "safety" benches to the ponds, reviewed reference materials and discussed in detail with MPRB. Determined safety benches aren't appropriate or needed for this project and responded to the resident. 90% plans were approved at the June meeting. The Commission will review and consider bids at this meeting. A project flyer and FAQs page were developed in conjunction with MPRB staff. They are posted on the webpage and will be distributed to MPRB and Loppet staff at the Chalet and Trailhead. Project permitting and final surveying is underway. Project website: www.bassettcreekwmo.org/projects/all-projects/bassett-creek-main-stem-lagoon-dredging-project

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

2022 SEA School-Wildwood Park Flood Reduction Project (BC-2, 3, 8, 10) (See Item 5A): The feasibility study for this project is complete after the Commission Engineer's scope of work was approved last August. A project kick-off meeting with city staff was held in late November. Meetings with city staff, Robbinsdale Area School representatives, and technical stakeholders were held in December, along with a public input planning meeting. A virtual open house video and comment form were offered to the public including live chat sessions on April 8th. The feasibility study report was approved in June with a decision to implement Concept #3. A public hearing on this project was held in September with no members of the public attending. In September, a resolution was approved to officially order the project, submit levy amounts to the county, and enter an agreement with the city to design and construct the project. The city hired Barr Engineering to develop the project designs which are now underway. A virtual public open house was held February 3rd. 50% Design Plans were approved at the January meeting. A public open house was held September 29th. 90% plans will be presented at this meeting. www.bassettcreekwmo.org/projects/all-projects/sea-school-wildwood-park-flood-reduction-project.

Subject	Work Progress
Education and Outreach	<ul style="list-style-type: none"> • Coordinated volunteers and gathered/delivered education materials for 9/25 outreach events in Robbinsdale and Golden Valley • Began preparing presentation to Golden Valley Historical Society • Continued to communicate/help plan for with Hennepin County staff and WMWA partners re: shared county education position • Attended October WMWA meeting • Communicated with Blue Thumb executive director about steering committee and partnership benefits
CIP	<ul style="list-style-type: none"> • <u>Four Seasons Water Quality Improvement Project</u>: Reviewed and edited memo and reviewed agreement with city; corresponded with Commission Engineers, Commission Attorney, and Plymouth staff re: agreement provisions and request to Commission • <u>Main Stem Lagoon Dredging Project</u>: Finalized, posted and distributed project FAQs document and project announcement flyer • <u>Sweeney Lake Water Quality Improvement Project</u>: Coordinated notarized signature on alum treatment contract; communicated alum treatment plans with Sweeney Lake Association president and members and coordinated with Golden Valley staff; drafted signage for lake access points at request of city; updated project webpage • <u>SEA School-Wildwood Park Flood Reduction Project</u>: Attended public open house September 29th at Brookview • <u>Ponderosa Woods Stream Restoration Project</u>: Arranged for, reviewed agenda, and attended feasibility study kick off meeting • <u>Main Stem Restoration Project Regent Ave to Golden Valley Road Project</u>: Arranged for, reviewed agenda, and attended feasibility study kick off meeting; attended part of project site visit and took photos
Henn Co. Chloride Initiative	<ul style="list-style-type: none"> • Facilitated large group HCCI meeting • Reviewed liability video • Prepared for pilot of presentation with Edina staff and corresponded with Plymouth staff • Drafted and submitted MAWD Program of the Year Award application for HCCI work; requested and received letters of support
Administration	<ul style="list-style-type: none"> • Developed agenda; reviewed invoices and submitted expenses spreadsheet to Redpath; reviewed bank statements, investment statements and financial report; reviewed memos and documents for Commission meeting; disseminated Commission meeting information to commissioners, staff, and TAC; updated online calendar; participated in pre- meeting call with Chair Cesnik and Commissioner Engineer; drafted meeting follow up email; ordered catering for October Commission meeting; arranged for monthly meetings at Brookview for remainder of the year and into 2023 • Sent email to commissioners with updates and events; requested volunteers for Friends of Bassett Creek event • Prepared agenda and materials for October 5th TAC meeting; participated in meeting and drafted TAC recommendations for review by TAC members • Updated flood elevation Table 2.9 in 2015 Watershed Management Plan and posted updated pages • Submitted Commission comments on MAWD strategic plan • Attended One Water Summit in Milwaukee as part of Met Council delegation and participated in virtual debrief meeting with delegation members • Submitted resolution certifying costs to Hennepin County for 2023 levy; • Drafted September Commission meeting minutes • Arranged for and participated in meeting with several Minnetonka staff re: chloride levels in Crane Lake and possible actions to reduce pollution; corresponded with Commission Attorney re: possible city actions • Corresponded with Robbinsdale, St. Louis Park, and Minnetonka re: recruiting commissioners/alternates • Corresponded with Commission Engineers and Attorney re: Shingle Creek WMC boundary review request • Posted online water quality graphs with 2021 data
Grant Work	<ul style="list-style-type: none"> • Reviewed and submitted interim grant reports for Phase I and Phase II of Lawns to Legumes projects
2025 Watershed Management Plan	<ul style="list-style-type: none"> • Attended Jordan Area Community Council event with Metro Blooms • Finalized scope and budget for Phase II – Challenging Issues analysis • Met with Commission Engineers to plan next steps for Phase II

	<ul style="list-style-type: none">• Gathered input from TAC members on chlorides and climate resiliency actions by cities• Corresponded with Northside Resident Redevelopment Council executive director and Minneapolis commissioners about upcoming engagement opportunities• Reviewed Met Council's Climate Action Plan and attended Met Council meeting/workshop on overview of the plan
--	--