



Bassett Creek Watershed Management Commission

Regular Meeting
Wednesday November 15, 2017
8:30 – 9:00 a.m.

Council Conference Room, Golden Valley City Hall, Golden Valley, MN

AGENDA

1. CALL TO ORDER and ROLL CALL

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

3. APPROVAL OF AGENDA

4. BUSINESS

- A. Approval of Minutes – October 19, 2017 Commission Meeting
- B. Approval of November 2017 Financial Report
- C. Approval of Payment of Invoices
 - i. Keystone Waters, LLC – October Administrator Services
 - ii. Keystone Waters, LLC – October Meeting Materials Distribution Expenses
 - iii. Barr Engineering – October 2017 Engineering Services
 - iv. Triple D Espresso – November 2017 Meeting Refreshments
 - v. Wenck – October 2017 WOMP Monitoring
 - vi. Wenck – October Routine Lake Monitoring
 - vii. Lawn Chair Gardener – October 2017 Administrative and Education Services
 - viii. Kennedy & Graven – September Legal Services
 - ix. Lawn Chair Gardener – Reimbursement for Creek Signs
 - x. Hennepin County – 2017 River Watch Payment
- D. Approval of Minneapolis Impound Lot Facility Improvement Project

5. COMMUNICATIONS

- A. Administrator (verbal only)
- B. Chair
- C. Commissioners
- D. TAC Members
- E. Committees
- F. Legal Counsel
- G. Engineer
 - i. Update on zebra mussels in Medicine Lake

6. INFORMATION ONLY (Information online only)

- A. [CIP Project Update Chart](#)
- B. Grant Tracking Summary and Spreadsheet
- C. WCA Notice of Application, Plymouth
- D. WCA Notice of Decision, Plymouth

7. ADJOURNMENT

Upcoming Meetings & Events

- DeCola Ponds Improvement Project Public Open House: November 9th, 5:00 – 7:30 p.m., Golden Valley City Hall
- BCWMC Administrative Services Committee Meeting: November 15th, 8:30 a.m. immediately following BCWMC meeting
- Winter Maintenance Training – Level 1 Certification (sponsored by Plymouth): November 20th, 7:30 a.m. – 1:00 p.m., Plymouth City Hall, [Register](#) by Nov 16th
- BCWMC Regular Monthly Meeting: Thursday December 21st, 8:30 a.m., Golden Valley City Hall



Item 4A.
BCWMC 11-15-17

Bassett Creek Watershed Management Commission

DRAFT Minutes of Regular Meeting
Thursday, October 19, 2017
8:30 a.m.
Golden Valley City Hall, Golden Valley MN

Commissioners and city staff present:

City	Commissioner	Alternate Commissioner	Technical Advisory Committee Members (City Staff)
Crystal	Guy Mueller	Tim Wodarski	Mark Ray
Golden Valley	Stacy Harwell		Jeff Oliver
Medicine Lake	<i>Absent</i>	<i>Absent</i>	
Minneapolis	Michael Welch		Liz Stout
Minnetonka	<i>Absent</i>	<i>Absent</i>	
New Hope	<i>Absent</i>	Pat Crough	Megan Albert
Plymouth	<i>Absent</i>	John Byrnes	Ben Scharenbroich
Robbinsdale	Michael Scanlan	<i>Absent</i>	Richard McCoy, Marta Roser
St. Louis Park	<i>Absent</i>	<i>Absent</i>	Erick Francis
Administrator	Laura Jester, Keystone Waters		
Engineer	Karen Chandler, Barr Engineering Jeff Weiss, Barr Engineering		
Recorder	Dawn Pape, Lawn Chair Gardener Creative Services		
Legal Counsel	Troy Gilchrist, Kennedy & Graven		
Presenters/ Guests/Public	Hugh Morris, Minneapolis resident		

1. CALL TO ORDER and ROLL CALL

On Thursday, October 19, 2017 at 8:31 a.m. in the Council Conference Room at Golden Valley City Hall (7800 Golden Valley Rd.), Vice Chair Mueller called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken.

2. CITIZEN FORUM ON NON-AGENDA ITEMS

Mr. Hugh Morris introduced himself as a Minneapolis resident and riprap expert who lives near Bassett Creek. He was invited by Commissioner Welch to attend this meeting.

3. APPROVAL OF AGENDA

MOTION: Commissioner Welch moved to approve the agenda. Alternate Commissioner Byrnes seconded the motion. Upon a vote, the motion carried 6-0. [Cities of Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

4. CONSENT AGENDA

The following items were approved as part of the consent agenda: the September 21, 2017 Commission Meeting Minutes, the October 2017 Financial Report, the payment of invoices, approval to reimburse the City of Crystal for North Branch Bassett Creek Channel Maintenance Project, approval of Metro Transit C Line Bus Rapid Transit Project, Minneapolis.

The general and construction account balances reported in the October 2017 Financial Report are as follows:

Checking Account Balance	\$537,086.83
TOTAL GENERAL FUND BALANCE	\$537,086.83
TOTAL CASH & INVESTMENTS ON-HAND (10/11/17)	\$3,358,531.12
CIP Projects Levied – Budget Remaining	(4,373,577.47)
Closed Projects Remaining Balance	(1,015,046.35)
2012-2016 Anticipated Tax Levy Revenue	\$10,014.74
2017 Anticipated Tax Levy Revenue	643,220.55
Anticipated Closed Project Balance	(361,811.06)

MOTION: Alternate Commissioner Crough moved to approve the consent agenda. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 6-0. [Cities of Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

5. BUSINESS

A. Consider Approval of 90% Plans for Main Stem Erosion Repair Project (CIP: 2017CR-M), Minneapolis

Engineer Chandler reminded the Commission that at their meeting in August, the Commission approved the 50% design plans for this project.

Jeff Weiss of Barr Engineering (the city's design consultant) gave an overview of the 90% plans, described where more specificity was added since the 50% plans, and described an open house of the project held at the Harrison Community Center. He reported that eleven people attended the open house plus city staff and Minneapolis Park and Recreation Board staff. Mr. Weiss noted that area residents would like to see this project coincide with the master plan for the Bassett Creek Valley. Administrator Jester brought up a few other concerns that were raised: a desire that the footpath across from Fruen Mill be improved to be less muddy and wet, and navigability of the stream.

Mr. Weiss reviewed how the footpath would be stabilized with class 5 rock which would require minimal maintenance. Commissioner Welch asked how the rock will be contained and not fall into creek. Mr. Weiss replied that the rock will be compacted and that the velocity over the trail isn't high so it should stay in place. He noted there will be stone toe protection in this area and that geo-cells have been tried in other projects, but haven't held up well because the cells scoured. TAC member Liz Stout pointed out that the trail will be relocated away from the creek by the Minneapolis Park and Recreation Board within 5-10 years, so class 5 rock seems appropriate.

Mr. Weiss covered hydraulic modeling, permitting, plans and specifications (minor edits to 50% design), and the construction cost estimate. He noted that to-date, this project is expected to come in under budget unless the bids don't come in as expected. Construction is scheduled to start in February of 2018.

Administrator Jester asked who has been working with property owners along the creek regarding access, etc. Mr. Weiss replied that Barr Engineering has been working on getting access from property owners and hope to get all signatures needed soon. Commissioner Welch asked about MPCA approvals and Mr. Weiss responded that the MPCA approved the Response Action Plan.

MOTION: Commissioner Welch moved to approve the 90% design plans for Main Stem Erosion Repair Project (CIP: 2017CR-M). Alternate Commissioner Byrnes seconded the motion. Upon a vote, the motion carried 6-0. [Cities of Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

B. Consider Approval of Agreement with Wenck Associates for Assistance with Review of Local Water Management Plans

Administrator Jester reminded the Commission that at their July meeting Commissioners were informed that the Cities of Minnetonka and Golden Valley hired Barr Engineering to develop the cities' local water management plans (LWMP). She noted the Commission is required to review LWMPs for consistency with the Watershed Plan and that this activity is typically performed by the Commission Engineer. She noted that commissioners expressed concern that in the case of reviewing the Minnetonka and Golden Valley LWMPs, the Commission Engineer (Barr) would be reviewing a plan prepared by Barr and that in July, Commissioners seemed to like the suggestion that she review the bulk of these cities' plans and hire an outside consultant to assist with review of the technical aspects of the plans. Administrator Jester reviewed the agreement between the Commission and Wenck Associates to perform this technical review, noting it was reviewed by the Commission Legal Counsel and Wenck's contract office. She recommended approval of the agreement at a cost not to exceed \$6,000.

MOTION: Commissioner Welch moved to approve the agreement with Wenck Associates for assistance with review of Local Water Management Plans for Golden Valley and Minnetonka. Alternate Commissioner Crough seconded the motion. Upon a vote, the motion carried 6-0. [Cities of Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

C. Consider Revision to Feasibility Study Scope and Budget for DeCola Ponds B & C Improvement Project (BC-2, 3, 8)

Commission Engineer Chandler reminded commissioners that at last month's meeting, the Commission approved a proposal to complete a feasibility study for the DeCola Ponds B & C Improvement Project, with amendments, and that one of the amendments was to remove soil testing from the study due to liability concerns at the time. She noted that it was

determined that the city is already enrolled in the Voluntary Investigation Clean Up (VIC) program. She noted that after discussions with city staff and Commissioner Welch, staff recommends revising the scope of the study to include soil testing and the development of a soil testing work plan for submittal to the MPCA. Engineer Chandler also recommended amending the feasibility study budget from \$72,000 (approved in September) to \$86,000 to accommodate this added task.

MOTION: Commissioner Harwell moved to accept the revision to the feasibility study scope and budget for the DeCola Ponds B & C Improvement Project. Alternate Commissioner Crough seconded the motion. Upon a vote, the motion carried 6-0. [Cities of Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

Commissioner Welch added that this was a good approach.

D. Consider Approval of Recommendations of the Aquatic Plant Management/Aquatic Invasive Species Committee

Administrator Jester reminded commissioners that at the July meeting, the Commission began reviewing and discussing recommendations by the APM/AIS committee. She noted that at that meeting, recommendations 1-5 were approved. She proceeded to walk through recommendations 6-16.

Recommendation #6 was about AIS prevention at boat launches, including inspections of boats entering/leaving lake for AIS; installation and management of washing stations and/or compost bins at launches; regulation of launch closures/open hours. Recommendation: The committee believes that boat launch owners (including private owners, cities, Three Rivers Park District, and Minneapolis Park and Rec Board) should be responsible for monitoring and managing launches. However, the committee recommends the Commission begin an AIS Prevention Grant Program beginning with the 2019 BCWMC Budget to assist boat launch owners with inspections, equipment purchase, educational signage, staff training, etc. Commissioner Mueller asked what type of budget might be needed for such a grant program. Administrator Jester noted a specific amount was not included in the committee's recommendation. She noted that the 2018 AIS budget is \$32,000. Administrator Jester also mentioned that zebra mussel sampler plates were recently purchased by the BCWMC and will be distributed to volunteers in the spring. There was some discussion about current inspections being performed by Three Rivers Park District on Medicine Lake. Alt. Commissioner Byrnes noted that a good role for the Commission is to be the catalyst but not necessarily the doer.

Recommendation #7 pertained to AIS prevention through education. The committee recommended that the Commission add materials and activities regarding AIS to its education and outreach program including 1) providing printed educational materials during events (using existing materials rather than developing new materials); 2) distributing newsletter articles to cities about AIS; 3) adding AIS information to news items on BCWMC website home page; and 4) considering ideas or requests from cities/lake groups for tailored educational materials through Education Committee's annual work and budget planning.

Recommendation #8 pertained to prevention through policy development and advocacy. Administrator Jester noted that committee members had requested the Commission become a member of the Minnesota Lakes and Rivers Association but that the Commission Legal Counsel had indicated the Commission could not be a member due to the Association's lobbying activities. There were questions about whether or not the Commission could be a member of the Minnesota Association of Watershed Districts due to their lobbying activities.

This recommendation was tabled and forwarded to the Administrative Services Committee because it was determined to be a separate policy issue regarding the lobbying abilities of the Commission and their desire to actively lobby.

Recommendation #9 dealt with monitoring current infestations. BCWMC's current routine monitoring program includes monitoring AIS infestations with the exception of fish. The committee recommends that the Commission gather and review existing information on fish surveys during routine lake monitoring to determine if a survey is needed and/or if there are ways to partner with others on surveys. The AIS committee also recommended that the Commission request a presentation from the DNR and others performing fish surveys (such as Three Rivers Park District and the City of Plymouth) on fish populations in BCWMC water bodies.

The question about whether carp are a problem in Medicine Lake was raised. It was noted that, as recommended, fish data wouldn't be assessed for Medicine Lake until 2019 when the Commission is scheduled to routinely monitor the lake. Commissioner Welch suggested that existing information on carp in Medicine Lake be gathered now rather than waiting until 2019. Commissioners agreed with that approach.

Recommendation #10 pertained to herbicide spot treatments in lakes with an approved plan. The committee recommends that the Commission perform herbicide spot treatments of aquatic invasive plants where the following conditions are met: 1) treatment of the plant is considered a management tool for improving water or habitat quality according to an approved management plan such as a TMDL; and 2) another entity or organization is sharing the cost of the treatment. Administrator Jester noted this is consistent with the committee's recommendation and Commission approval of curly-leaf pondweed control on Medicine Lake in January 2017.

Recommendation #11 pertained to herbicide spot treatments without an approved plan. The committee recommends that the Commission consider requests for spot treatments on lakes without an approved plan on a case by case basis.

Recommendation #12 pertained to whole lake herbicide treatments. The committee recommends that the Commission consider requests for whole lake herbicide treatments and that the Commission Engineer continue to engage with the DNR regarding this as well as other new treatment methods and technologies.

Recommendation #13 dealt with carp harvesting and fish barriers. The committee recommends that the Commission consider the need for managing carp populations in Priority 1 lakes if fish surveys and other data indicate that carp are a significant problem.

Recommendation #14 pertained to managing water levels to consolidate sediments, encourage native plant growth, and reduce invasive plants, e.g. curly-leaf pondweed. The committee recommends that the Commission consider water level management on a case by case basis if recommended in an approved management plan.

[Commissioner Harwell departs.]

Recommendation #15 covered using biological treatment (i.e. insects) to control invasive species. The committee recommends that the Commission consider biological control on a case by case basis as a possible future control method and to stay informed on new biological control agents.

Recommendation #16 pertained to convening lake groups to understand options for organizing. Administrator Jester noted that during the discussion of many of the prevention and management options, the committee noted that formal lake improvement districts may be the best type of organization to implement many of the AIS prevention and management tools and that BCWMC lake groups might need more information about the pros and cons of forming a lake improvement district. The committee recommends that the Commission convene a meeting of lake groups and other interested groups/individuals in the BCWMC and request a presentation from the DNR and other experts to learn about lake improvement districts vs. lake associations and other less formal lake groups. There was some discussion about the work of the existing lake groups, including AMLAC on Medicine Lake. Commissioner Welch noted that the Freshwater Society might be able to help facilitate this discussion as they do that work with other organizations.

MOTION: Commissioner Scanlan moved to approve APM/AIC Committee recommendations #6, 7, and 10-16. Alternate Commissioner Crough seconded the motion. Upon a vote, the motion carried 5-0. [Cities of Golden Valley, Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

MOTION: Commissioner Welch moved to approve APM/AIS Committee recommendation #9, amended to include gathering data on Medicine Lake carp populations now rather than waiting until 2019. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 5-0. [Cities of Golden Valley, Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

E. Consider Approval of Technical Advisory Committee Recommendations

TAC Chair, Erick Francis, reminded commissioners that at last month's meeting, the Commission approved TAC recommendations #1 and #2, but did not have time to address recommendations #3 and #4. He reported that the TAC recommends that the Commission develop a one-page explanation of why there are two different numbers for floodplain elevations and a description of the modeling effort (#3). Regarding the timing and process for BCWMC model updates, (#4), he reported that the TAC recommends that the Commission direct member cities to submit all pertinent information from

the calendar year to the Commission Engineer no later than March 1st of the following year; and that the Commission direct the Commission Engineer to finalize model updates no later than June 1st of each year.

MOTION: Commissioner Scanlan moved to approve Technical Advisory Committee Recommendations #3 and #4. Alternate Commissioner Byrnes seconded the motion. Upon a vote, the motion carried 5-0. [Cities of Golden Valley, Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

F. Consider Approval of Administrator’s Attendance at Minnesota Association of Watershed Districts Annual Meeting

Administrator Jester sought approval to attend the MAWD conference Nov 30 – Dec 1, 2017 in Alexandria, MN. She noted the costs would include conference registration (\$200), one night’s lodging (\$98), mileage (\$143), and time attending sessions (up to 16 hours or \$1,120) for a total of \$1,561. She reported these costs would fit within the “Administrator” budget line.

Commissioner Welch also recommended that Commissioners attend the conference, if possible.

MOTION: Commissioner Scanlan moved to approve the administrator’s attendance at the Minnesota Association of Watershed Districts Annual Meeting. Commissioner Welch seconded the motion. Upon a vote, the motion carried 5-0. [Cities of Golden Valley, Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

6. COMMUNICATIONS

A. Administrator’s Report

- i. Report on Winter Maintenance Workshop – Administrator Jester reported that 26 people attended the workshop and that Channel 12 did a segment on the workshop. She noted she will send a link to the news coverage.
- ii. Reminder of November’s WEDNESDAY Commission Meeting

Administrator Jester also noted that the Bassett Creek road signs (designed by Dawn Pape) were delivered and will be installed at three crossings in Golden Valley, including on Douglas Drive. She also noted that she’s been working to update the BCWMC CIP webpages. Administrator Jester also distributed the revised Watershed Management Plan on CDs and noted the revised plan is also on the website.

B. Chair - Nothing to report

C. Commissioners - Commissioner Scanlan attended the Water Resources Conference and said it was very interesting; he learned a lot.

D. TAC Members - Nothing to report

E. Committees - Administrator Jester noted the Administrative Services Committee will convene soon. Additionally, Dawn Pape reported that she attended a Watershed Partners Meeting about social media and suggested doing Facebook posts highlighting FAQs about BCWMC, e.g. what is BCWMC, who serves on the Commission, why have they volunteered their time to do so, etc. Ms. Pape will be following up with Commission members.

F. Legal Counsel

Attorney Gilchrist reported that a letter from the Starrs’ lawyer was received by the Commission, raising concerns about the Plymouth Creek Restoration Project. He noted he had discussed the letter with the City of Plymouth’s attorney and that they were in agreement that the Commission and the City are not violating laws with their plans to restore the creek adjacent to the Starr’s property. He noted it is the City of Plymouth’s decision as to how to proceed.

G. Engineer - Nothing to report

7. INFORMATION ONLY (Information online only)

- A. CIP Project Updates: Available Online <http://www.bassettcreekwmo.org/projects>
- B. Grant Tracking Summary and Spreadsheet
- C. Letter to Commission Regarding Plymouth Creek Restoration Project
- D. Minnesota Association of Watershed Districts Annual Meeting
- E. Hennepin County Level II Performance Review Results
- F. WCA Notice of Decision, Golden Valley

8. ADJOURNMENT

The meeting was adjourned at 10:03 a.m.

MOTION: Commissioner Welch moved to adjourn. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 5-0. [Cities of Golden Valley, Medicine Lake, Minnetonka, and St. Louis Park were absent from the vote.]

Signature/Title

Date

Signature/Title

Date

Bassett Creek Watershed Management Commission General Account
 General Fund (Administration) Financial Report
 Fiscal Year: February 1, 2017 through January 31, 2018
 MEETING DATE: November 16, 2017

Item 4B.
 BCWMC 11-15-17

UNAUDITED)

BEGINNING BALANCE	11-Oct-17	537,086.83
ADD:		
General Fund Revenue:		
Interest less Bank Fees		27.91
Assessments:		
Metropolitan Council	Tunnel (MT)	3,783.55
Permits:		
The Schuett Companies	BCWMC 2017-35	2,500.00
Oppidan Inc	BCWMC 2017-36	2,500.00
SRF Consulting	BCWMC 2017-37	1,400.00
Reimbursed Construction Costs		50,608.29
	Total Revenue and Transfers In	60,819.75
DEDUCT:		
Checks:		
3016 Barr Engineering	Oct Engineering	73,964.16
3017 Kennedy & Graven	September Legal	1,798.20
3018 Keystone Waters LLC	Oct Admin/Mtg Materials	6,253.35
3019 Lawn Chair Gardener	Minutes/newsletter/Social Media	1,781.92
3020 Triple D Espresso	Nov Meeting	20.41
3021 Wenck Associates	Outlet Monitor/Lake Monitor	1,614.27
3022 Hennepin County	River Watch Program	2,000.00
	Total Checks/Deductions	87,432.31
ENDING BALANCE	8-Nov-17	510,474.27

**Bassett Creek Watershed Management Commission General Account
General Fund (Administration) Financial Report**

(UNAUDITED)

Fiscal Year: February 1, 2017 through January 31, 2018

MEETING DATE: November 16, 2017

BEGINNING BALANCE	11-Oct-17	537,086.83
ADD:		
General Fund Revenue:		
Interest less Bank Fees	27.91	
Assessments:		
Metropolitan Council	Tunnel (MT)	3,783.55
Permits:		
The Schuett Companies	BCWMC 2017-35	2,500.00
Oppidan Inc	BCWMC 2017-36	2,500.00
SRF Consulting	BCWMC 2017-37	1,400.00
Reimbursed Construction Costs		50,608.29
	Total Revenue and Transfers In	60,819.75
DEDUCT:		
Checks:		
3016 Barr Engineering	Oct Engineering	73,964.16
3017 Kennedy & Graven	September Legal	1,798.20
3018 Keystone Waters LLC	Oct Admin/Mtg Materials	6,253.35
3019 Lawn Chair Gardener	Minutes/newsletter/Social Media	1,781.92
3020 Triple D Espresso	Nov Meeting	20.41
3021 Wenck Associates	Outlet Monitor/Lake Monitor	1,614.27
3022 Hennepin County	River Watch Program	2,000.00
	Total Checks/Deductions	87,432.31
ENDING BALANCE	8-Nov-17	510,474.27

	2017 / 2018 BUDGET	CURRENT MONTH	YTD 2017 / 2018	BALANCE
OTHER GENERAL FUND REVENUE				
ASSESSMENTS TO CITIES-PREPAID			0.00	
ASSESSMENTS TO CITIES	500,000	0.00	500,001.00	(1.00)
PROJECT REVIEW FEES	60,000	6,400.00	69,100.00	(9,100.00)
WOMP REIMBURSEMENT	5,000	0.00	4,500.00	500.00
MET COUNCIL REIMBURSEMENTS-LRT PROJECTS	7,000	3,783.55	13,001.72	(6,001.72)
MET COUNCIL - METRO BLOOMS	0	0.00	60,918.23	(60,918.23)
MISCELLANEOUS	0	0.00	2,889.50	(2,889.50)
TRANSFERS FROM LONG TERM FUND & CIP	38,072	0.00	0.00	38,072.00
REVENUE TOTAL	610,072	10,183.55	650,410.45	(40,338.45)
EXPENDITURES				
ENGINEERING & MONITORING				
TECHNICAL SERVICES	125,000	11,763.50	100,240.75	24,759.25
DEV/PROJECT REVIEWS	65,000	3,750.34	61,530.81	3,469.19
NON-FEE/PRELIM REVIEWS	15,000	854.50	18,298.46	(3,298.46)
COMMISSION AND TAC MEETINGS	14,000	408.00	9,413.04	4,586.96
SURVEYS & STUDIES	20,000	0.00	16,347.15	3,652.85
WATER QUALITY/MONITORING	74,300	243.90	51,188.40	23,111.60
WATER QUANTITY	11,500	826.72	6,727.29	4,772.71
WATERSHED INSPECTIONS - EROSION CONTROL	1,000	0.00	0.00	1,000.00
ANNUAL FLOOD CONTROL INSPECTIONS	12,000	4,182.50	4,215.50	7,784.50
REVIEW MUNICIPAL PLANS	8,000	0.00	1,179.00	6,821.00
WOMP	15,500	2,297.68	14,394.53	1,105.47
XP-SWMM MODEL UPDATES/REVIEWS	10,000	0.00	4,019.00	5,981.00
APM / AIS WORK	35,000	643.00	20,593.45	14,406.55
ENGINEERING & MONITORING TOTAL	406,300	24,970.14	308,147.38	98,152.62
ADMINISTRATION				
ADMINISTRATOR	67,200	6,090.73	44,063.84	23,136.16
LEGAL COSTS	18,500	1,798.20	13,104.73	5,395.27
AUDIT, INSURANCE & BONDING	15,500	0.00	17,304.00	(1,804.00)
FINANCIAL MANAGEMENT	3,200	0.00	40.76	3,159.24
MEETING EXPENSES	2,000	20.41	956.47	1,043.53
ADMINISTRATIVE SERVICES	18,000	1,085.09	10,282.85	7,717.15
ADMINISTRATION TOTAL	124,400	8,994.43	85,752.65	38,647.35
OUTREACH & EDUCATION				
PUBLICATIONS/ANNUAL REPORT	2,500	0.00	1,138.50	1,361.50
WEBSITE	4,400	0.00	525.99	3,874.01
PUBLIC COMMUNICATIONS	2,500	0.00	731.61	1,768.39
EDUCATION AND PUBLIC OUTREACH	20,000	859.45	87,562.12	(67,562.12)
WATERSHED EDUCATION PARTNERSHIPS	15,500	2,000.00	7,794.25	7,705.75
OUTREACH & EDUCATION TOTAL	44,900	2,859.45	97,752.47	(52,852.47)
MAINTENANCE FUNDS				
EROSION/SEDIMENT (CHANNEL MAINT)	25,000	0.00	0.00	25,000.00
LONG TERM MAINTENANCE (moved to CF)	25,000	0.00	0.00	25,000.00
MAINTENANCE FUNDS TOTAL	50,000	0.00	0.00	50,000.00
TMDL WORK				
TMDL IMPLEMENTATION REPORTING	20,000	0.00	542.50	19,457.50
TMDL WORK TOTAL	20,000	0.00	542.50	19,457.50
TOTAL EXPENSES	645,600	36,824.02	492,195.00	153,405.00

BCWMC Construction Account
Fiscal Year: February 1, 2017 through January 31, 2018
October 2017 Financial Report

(UNAUDITED)

Cash Balance 10/11/17				
Cash			3,110,531.12	
		Total Cash		3,110,531.12
		Total Cash & Investments		3,110,531.12
Add:				
Interest Revenue (Bank Charges)			215.60	
Investment Interest Revenue			1,453.35	
Matured Investments			248,000.00	
		Total Revenue		249,668.95
Less:				
CIP Projects Levied - Current Expenses - TABLE A			(8,716.37)	
Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B			(41,891.92)	
		Total Current Expenses		(50,608.29)
		Total Cash & Investments On Hand	11/08/17	<u>3,309,591.78</u>
		Total Cash & Investments On Hand	3,309,591.78	
		CIP Projects Levied - Budget Remaining - TABLE A	(4,364,861.10)	
		Closed Projects Remaining Balance	(1,055,269.32)	
		2012 - 2016 Anticipated Tax Levy Revenue - TABLE C	10,014.74	
		2017 Anticipated Tax Levy Revenue - TABLE C	643,220.55	
		Anticipated Closed Project Balance	(402,034.03)	
		Proposed & Future CIP Project Amount to be Levied - TABLE B	0.00	

TABLE A - CIP PROJECTS LEVIED

	Approved Budget	Current Expenses	2017 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget	Grant Funds Received
Lakeview Park Pond (ML-8) (2013)	196,000	0.00	0.00	11,589.50	184,410.50	
Four Seasons Mall Area Water Quality Proj (NL-2)	990,000	0.00	20,953.50	162,805.34	827,194.66	
2014						
Schaper Pond Enhance Feasibility/Project (SL-1)(SL-3)	612,000	8,716.37	42,797.95	346,061.40	265,938.60	
Briarwood / Dawnview Nature Area (BC-7)	250,000	0.00	0.00	250,000.00	0.00	
Twin Lake Alum Treatment Project (TW-2)	163,000	0.00	0.00	91,037.82	71,962.18	
2015						
Main Stem 10th to Duluth (CR2015)	1,503,000	0.00	57,299.09	1,003,746.24	499,253.76	
2016						
Honeywell Pond Expansion (BC-4) ¹	810,930	0.00	0.00	25,307.00	785,623.00	
Northwood Lake Pond (NL-1) ²	822,140					
Budget Amendment	611,600	1,433,740	0.00	416.00	1,438,689.98	(4,949.98)
2017						
Main Stem Cedar Lk Rd-Dupont (2017CR-M)	2017 Levy 400,000	1,064,472	0.00	196.00	114,757.79	949,714.21
	2018 Levy 664,472					
Plymouth Creek Restoration (2017 CR-P)	2017 Levy 580,930	863,573	0.00	12,254.70	77,858.83	785,714.17
	2018 Levy 282,643					267,298
		7,886,715	8,716.37	133,917.24	3,521,853.90	4,364,861.10

TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED

	Approved Budget - To Be Levied	Current Expenses	2017 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
2018					
Bassett Creek Park & Winnetka Ponds Dredging (BCP-2)		190.00	29,750.20	61,069.25	(61,069.25)
2018 Project Totals	0	190.00	29,750.20	61,069.25	(61,069.25)
2019					
Bryn Mawr Meadows (BC-5)	0	12,664.31	17,420.51	22,703.31	(22,703.31)
Decola Ponds B&C Improvement(BC-2,BC-3,BC-8)		28,781.11	30,684.66	30,684.66	(30,684.66)
Westwood Lake Water Quality Improvement Project(Feasibility)		256.50	256.50	256.50	(256.50)
2019 Project Totals	0	41,701.92	48,361.67	53,644.47	(53,644.47)
Total Proposed & Future CIP Projects to be Levied	0	41,891.92	78,111.87	114,713.72	(114,713.72)

BCWMC Construction Account

Fiscal Year: February 1, 2017 through January 31, 2018

(UNAUDITED)

October 2017 Financial Report

TABLE C - TAX LEVY REVENUES

	County Levy	Abatements / Adjustments	Adjusted Levy	Current Received	Year to Date Received	Inception to Date Received	Balance to be Collected	BCWMO Levy
2017 Tax Levy	1,303,600.00		1,303,600.00	0.00	0.00	660,379.45	643,220.55	1,303,600.00
2016 Tax Levy	1,222,000.00	(6,075.91)	1,215,924.09	0.00	0.00	1,211,989.75	3,934.34	1,222,000.00
2015 Tax Levy	1,000,000.00	1,935.37	1,001,935.37	0.00	0.00	998,801.29	3,134.08	1,000,000.00
2014 Tax Levy	895,000.00	(7,436.49)	887,563.51	0.00	0.00	885,449.96	2,113.55	895,000.00
2013 Tax Levy	986,000.00	(10,440.29)	975,559.71	0.00	0.00	974,888.42	671.29	986,000.00
2012 Tax Levy	762,010.00	(7,488.24)	754,521.76	0.00	0.00	754,360.28	161.48	762,010.00
				<u>0.00</u>			<u>653,235.29</u>	

OTHER PROJECTS:

	Approved Budget	Current Expenses / (Revenue)	2017 YTD Expenses / (Revenue)	INCEPTION To Date Expenses / (Revenue)	Remaining Budget
TMDL Studies					
TMDL Studies	135,000.00	0.00	0.00	107,765.15	27,234.85
TOTAL TMDL Studies	135,000.00	0.00	0.00	107,765.15	27,234.85
Flood Control Long-Term					
Flood Control Long-Term Maintenance	673,373.00	0.00	14,912.00	320,742.41	
Less: State of MN - DNR Grants			(9,300.00)	(93,000.00)	
	673,373.00	0.00	5,612.00	227,742.41	445,630.59
Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
Annual Water Quality					
Channel Maintenance Fund	350,000.00	0.00	60,915.00	182,157.95	167,842.05
Total Other Projects	1,658,373.00	0.00	66,527.00	517,665.51	1,140,707.49

Cash Balance 10/11/17 **1,038,206.44**

Add:

Transfer from GF 0.00

Less:

Current (Expenses)/Revenue 0.00

Ending Cash Balance 11/08/17 **1,038,206.44**

Additional Capital Needed **(102,501)**

Bassett Creek Construction Project Details

11/8/2017

CIP Projects Levied											
	Total	2013	2013	2014	2014	2014	2015	2016	2016	2017	2017
	CIP Projects Levied	Lakeview Park Pond (ML-8)	Four Seasons Mall Area Water Quality Project (NL-2)	Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	Briarwood / Dawnview Water Quality Improve Proj (BC-7)	Twin Lake In-Lake Alum Treatment Project (TW-2)	Main Stem - 10th Ave to Duluth (CR2015)	Honeywell Pond Expansion (BC-4)	Northwood Lake Pond (NL-1)	Main Stem-Cedar Lk Rd to Dupont (CR-M)	Plymouth Creek Restoration (CR-P)
Original Budget	7,275,115	196,000	990,000	612,000	250,000	163,000	1,503,000	810,930	822,140	1,064,472	863,573
Added to Budget	611,600								611,600		
Expenditures:											
Feb 2004 - Jan 2014	269,971.68	11,589.50	101,635.49	89,594.90	19,598.09	23,793.65	11,179.35	7,461.95	5,118.75		
Feb 2015-Jan 2016	313,510.98		25,866.35			432.00	93,862.65	6,442.53	94,823.44	42,671.88	49,412.13
Feb 2016-Jan 2017	2,804,454.00		14,350.00	213,668.55	230,401.91	66,812.17	841,405.15	11,402.52	1,338,331.79	71,889.91	16,192.00
Feb 2017-Jan 2018	133,917.24		20,953.50	42,797.95			57,299.09		416.00	196.00	12,254.70
Total Expenditures:	3,521,853.90	11,589.50	162,805.34	346,061.40	250,000.00	91,037.82	1,003,746.24	25,307.00	1,438,689.98	114,757.79	77,858.83
Project Balance	4,364,861.10	184,410.50	827,194.66	265,938.60		71,962.18	499,253.76	785,623.00	(4,949.98)	949,714.21	785,714.17
CIP Projects Levied											
	Total	2013	2013	2014	2014	2014	2015	2016	2016	2017	2017
	CIP Projects Levied	Lakeview Park Pond (ML-8)	Four Seasons Mall Area Water Quality Project (NL-2)	Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	Briarwood / Dawnview Water Quality Improve Proj (BC-7)	Twin Lake In-Lake Alum Treatment Project (TW-2)	Main Stem - 10th Ave to Duluth (CR2015)	Honeywell Pond Expansion (BC-4)	Northwood Lake Pond (NL-1)	Main Stem-Cedar Lk Rd to Dupont (CR-M)	Plymouth Creek Restoration (CR-P)
Project Totals By Vendor											
Barr Engineering	453,752.18	6,338.95	63,974.04	118,049.45	13,089.74	15,712.00	15,825.00	13,157.98	17,966.00	111,939.39	77,699.63
Kennedy & Graven	11,961.70	1,200.55	2,471.95	993.40	1,038.35	1,058.65	2,223.75	796.00	1,701.45	318.40	159.20
City of Golden Valley	1,471,580.12			213,668.55	230,401.91	66,812.17	960,697.49				
City of Minneapolis											
City of Plymouth	75,759.35		75,759.35								
City of New Hope	1,413,267.55								1,413,267.55		
City of Crystal										2,500.00	
MPCA	2,500.00										
Blue Water Science	3,900.00					3,900.00					
Misc											
2.5% Admin Transfer	83,378.02	4,050.00	20,600.00	13,350.00	5,470.00	3,555.00	25,000.00	11,353.02			
Transfer to General Fun											
Total Expenditures	3,516,098.92	11,589.50	162,805.34	346,061.40	250,000.00	91,037.82	1,003,746.24	25,307.00	1,432,935.00	114,757.79	77,858.83
CIP Projects Levied											
	Total	2013	2013	2014	2014	2014	2015	2016	2016	2017	2017
	CIP Projects Levied	Lakeview Park Pond (ML-8)	Four Seasons Mall Area Water Quality Project (NL-2)	Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	Briarwood / Dawnview Water Quality Improve Proj (BC-7)	Twin Lake In-Lake Alum Treatment Project (TW-2)	Main Stem - 10th Ave to Duluth (CR2015)	Honeywell Pond Expansion (BC-4)	Northwood Lake Pond (NL-1)	Main Stem-Cedar Lk Rd to Dupont (CR-M)	Plymouth Creek Restoration (CR-P)
Levy/Grant Details											
2010 - 2014 Levies	1,881,000	162,000	824,000	534,000	218,800	142,200					
2014/2015 Levy	1,000,000						1,000,000				
2015-2016 Levy	1,222,000							810,930	411,070		
2016-2017 Levy	1,303,600								322,670	580,930	400,000
2017-2018 Levy	947,115									282,643	664,472
Construction Fund Balance	703,000	34,000	166,000				503,000				
BWSR Grant- BCWMO	470,000								470,000		
DNR Grants-LT Maint											
Total Levy/Grants	7,526,715	196,000	990,000	534,000	218,800	142,200	1,503,000	810,930	1,203,740	863,573	1,064,472
BWSR Grants Received									670,000		267,298
MPCA Grant-CWP (Total \$300,000)									75,000.00		
									19,932.80		



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4D – Minneapolis Impound Lot Facility Improvements – Minneapolis, MN
BCWMC November 15, 2017 Meeting Agenda
Date: November 8, 2017
Project: 23270051 2017 2144

4D Minneapolis Impound Lot Facility Improvements – Minneapolis, MN BCWMC 2017-37

Summary:

Proposed Work: Demolition of an existing building, construction of a new building, new access road from Van White Blvd, and other site and utility improvements.

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

Impervious Surface Area: Decrease 0.77 acres

Recommendation: Conditional Approval

General Background & Comments

The proposed project is located in the Bassett Creek Main Stem subwatershed at 51 Colfax Avenue North in Minneapolis, MN. The project includes demolition of existing buildings, construction of a new building, parking improvements, stormwater management improvements, and other site improvements; resulting in 18.8 acres of disturbance (grading). The project creates 4.91 acres of reconstructed impervious surfaces, and results in a 0.77-acre decrease of impervious surfaces from 8.96 acres (existing conditions) to 8.19 acres (proposed conditions).

Barr Engineering Co. has been working for the City of Minneapolis to assist with evaluation of environmental impacts and geotechnical conditions for the project site. The work has consisted of conducting environmental and geotechnical investigations and preparing reports, and consulting with the City's project team with recommendations to address the contamination and poor geotechnical soils during implementation of the project. SRF is performing the site design and stormwater management for the project under a separate contract with the City. None of Barr's work requires review by the BCWMC.

Floodplain

The proposed project includes work in the Bassett Creek floodplain. The August 2017 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 floodplain elevation of Bassett Creek at the project site is 810.9 feet NAVD88. A portion of the northwest corner of

the site is within the BCWMC floodplain, requiring the creation of compensatory storage for any proposed fill within the floodplain.

The proposed project results in 4,667 cubic yards of floodplain fill along the new access road from Van White Memorial Boulevard and other site facilities. Compensatory floodplain storage of 4,693 cubic yards is proposed by floodplain cuts to construct a filtration basin and swales to balance floodplain fill. This results in a net increase in floodplain storage of 26 cubic yards. In addition, during construction, surcharge material for the proposed Van White Memorial Boulevard access will be sourced from the proposed filtration basin area to prevent a temporary floodplain fill condition.

Wetlands

The proposed project appears to involve work in or adjacent to wetlands. The City of Minneapolis is the local governing unit (LGU) responsible for administering the Wetland Conservation Act.

Stormwater Management

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

Under existing conditions, stormwater runoff from the majority of the site flows to Bassett Creek, either overland or through a stormwater pond and storm sewer under or adjacent to Van White Memorial Blvd. Additionally, stormwater runoff from a portion of the east side of the site is collected in a storm sewer and is routed to the Bassett Creek Tunnel, stormwater runoff from a portion of the southwest corner of the site flows offsite to a parcel to the west, and stormwater runoff from a portion of the southeast corner of the site flows offsite along the railroad right of way (ROW).

The proposed stormwater management system includes a filtration basin, swales with permanent rock ditch checks, and a Rain Guardian pretreatment feature. Stormwater runoff from the majority of the site will be routed through the swales (or Rain Guardian) and the filtration basin and continue on to Bassett Creek. Stormwater runoff from the same portion of the east side of the site is collected into a storm sewer and routed to the Bassett Creek Tunnel, and stormwater runoff from the same portion of the southeast corner of the site will flow offsite along the railroad ROW. Stormwater runoff from a smaller portion of the southwest corner of the site will flow offsite to a parcel to the west, although less runoff is produced than in existing conditions due to the proposed grading. The following table summarizes the existing and proposed peak discharges from the project area to Bassett Creek.

Discharge Point	Existing (cfs)			Proposed (cfs)		
	2-Year	10-Year	100-Year	2-Year	10-Year	100-Year
Bassett Creek	16.4	26.2	74.2	13.2	23.9	38.2
Bassett Creek Tunnel	8.9	13.6	23.8	8.9	13.6	23.8
West Parcel	2.3	3.8	7.1	0.5	0.8	1.4
Railroad ROW	0.1	0.1	0.2	0.1	0.1	0.2

Water Quality Management

The BCWMC Requirements document states that redevelopment projects that create more than one (1) acre of new or fully reconstructed impervious area must treat stormwater in accordance with the BCWMC water quality standards performance goals. If the BCWMC performance goal is not feasible and/or is not allowed for a proposed project, then the applicant must implement flexible treatment options.

The proposed project results in 4.91 acres of new/fully reconstructed impervious surfaces. Due to soil contamination, no infiltration practices are allowed, and Flexible Treatment Option (FTO) #2 was selected for the proposed project. FTO #2 requires that the project provide 60% removal of total phosphorus (TP). The proposed stormwater management system was modeled with the Minimal Impact Design Standards (MIDS) calculator.

The following table summarizes the proposed TP removal rates for the proposed BMPs.

BMP	TP Load From	TP Load From	TP	Outflow	%
	Direct Watershed	Upstream BMPs	Retained	Load	Retained
	(lbs/year)	(lbs/year)	(lbs/year)	(lbs/year)	(%)
East Swale	2.56	0.00	1.03	1.54	40%
West Swale	6.61	0.00	2.65	3.95	40%
Filtration Basin ¹	1.73	5.49	4.36	2.86	60%
Total	10.91		8.04	2.87	74%

¹Filtration Basin receives outflow from East Swale and West Swale

Erosion and Sediment Control

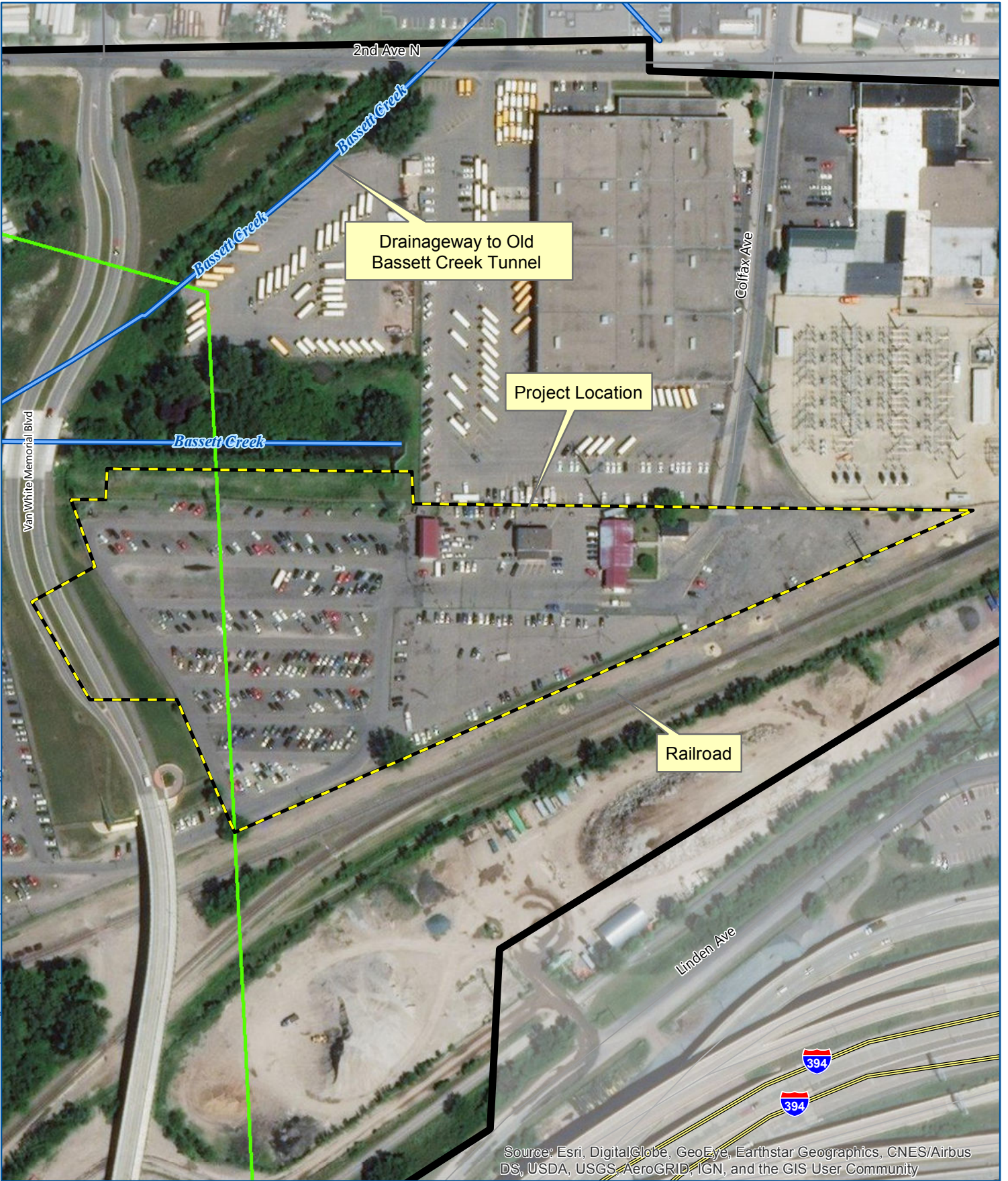
Because the proposed project involves more than 200 cubic yards of cut and fill and the area to be graded for the project is greater than 10,000 square feet, the proposed project must meet the BCWMC erosion and sediment control requirements. Proposed temporary erosion and sediment control features include silt fence, a rock construction entrance, and inlet protection. Permanent erosion and sediment control features include riprap, permanent ditch checks, and stabilization through seeding and sod.

Recommendation

Conditional approval based on the following comments:






1. The narrative of the Stormwater Management Report indicates that no infiltration is proposed for the site due to the site contamination; however, the MIDS Calculator file shows that the swales and filtration basins provide infiltration. The MIDS Calculator file should be revised to match site plan. Applicant should describe how contaminated soils will be separated from new engineered soils.
2. We recommend using Dynamic Storage Indication for the Reach and Pond Routing Methods in HydroCAD to account for tailwater conditions.

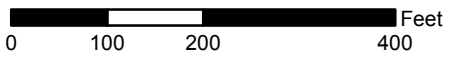
3. In HydroCAD, the invert out and diameter of the pipe from the Filtration Basin to Bassett Creek should be revised to match the plans.
4. The 2-Year and 10-Year proposed conditions HydroCAD outputs must be provided for verification of the runoff values.
5. The outlet velocity at FES 120 exceeds 11 feet per second when the pipe is flowing full. Modifications must be made to reduce outlet velocities to less than 8 feet per second if riprap is used or less than 4 feet per second if no riprap is used.
6. FES 301 should be lowered to discharge at or below the normal water level of Bassett Creek. As an alternative, adequate erosion protection must be provided between FES 301 and the creek to prevent channelization and erosion. FES 301 must also discharge in a downstream direction along Bassett Creek to minimize erosion. This work should be coordinated with the City's stream restoration project.
7. Inlet protection must be shown on Sheet C4.1 of the plans for the catch basin on the east side of the site.
8. Silt fence must be placed on the southwest corner of the site to intercept sediment-laden runoff to the west. Additionally, the rock construction entrance detail on Sheet C8.1 must be modified to include a wash-off berm a minimum height of 2 feet above the adjacent roadway to intercept runoff through the construction entrance.
9. Modify *City of Minneapolis Erosion Control Note #9* on Sheet C5 and Sheet C5.1 to require that all exposed soil areas be stabilized in no case later than 7 days, due to the project's location within 1 mile of a special or impaired water.
10. An inspection and maintenance plan must be established for the filtration basin.
11. An outdated BCWMC Application Form was submitted, therefore the current BCWMC Application Form must be provided. In addition, based on the new fee schedule, the review fees for this project are \$1,500. The applicant paid \$1,400 for the project review. The applicant must provide the outstanding review fee amount of \$100.
12. Revised Drawings (paper copy and final electronic files) and a revised Stormwater Management Report must be provided to the BCWMC Engineer for final review and approval.



Barr Footer: ArcGIS 10.4.1, 2017-11-07 11:12 File: I:\Client\BassettCreek\gis\maps\Permits\Maps-2017\2017-37.mxd User: jpp

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

-  Project Location
-  Municipality
-  Bassett Creek
-  WMC Boundary
-  Major Subwatershed



BCWMC #2017-37
 Minneapolis Impound Lot
 Facility Improvements
 Minneapolis, MN
LOCATION MAP



Bassett Creek Watershed Management Commission

MEMO

Date: November 8, 2017
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: At their meetings in September and October, the Commission approved a proposal and additional proposed actions (respectively) from the Commission Engineer to complete a feasibility study for this project. A project kick-off meeting was held October 6th. Feasibility study field work began in late September. A public open house is scheduled for November 9th. The Commission Engineer (with significant input from city staff) spent considerable time developing materials and display boards for the open house. A CIP project webpage was developed and includes project information, announcements and documents. <http://www.bassettcreekwmo.org/index.php?CID=433>

2019 Bryn Mawr Meadows Water Quality Improvement Project (BC-5), Minneapolis: At their meeting in September, the Commission approved a proposal from the Commission Engineer to complete a feasibility study for this project. A project kick-off meeting was held on October 23rd and included me, Commissioner Welch, the Commission Engineer, city staff and staff with the Minneapolis Park and Rec Board (MPRB). The development and implementation of the project will coincide nicely with the MPRB's planning and implementation of significant improvements and redevelopment of Bassett Creek Park where the project will be located. A CIP project webpage was developed and includes project information, announcements and documents. <http://www.bassettcreekwmo.org/projects/all-projects/bryn-mawr-meadows-water-quality-improvement-project>

2019 Westwood Lake Water Quality Improvement Project (WST-2), St. Louis Park: At their meeting in September, the Commission approved a proposal from the Commission Engineer to complete a feasibility study for this project. The project will be completed in conjunction with the Westwood Hills Nature Center reconstruction project. A CIP project webpage was developed and includes project information, announcements and documents. <http://www.bassettcreekwmo.org/projects/all-projects/westwood-lake-water-quality-improvement-project>

2018 Bassett Creek Park Pond Phase I Dredging Project: Winnetka Pond, Crystal (BCP-2): The final feasibility study for this project was approved at the May 2017 meeting and is now available on the project page online at <http://www.bassettcreekwmo.org/index.php?CID=403>. Hennepin County Commissioners approved the 2018 maximum levy request for this project and will consider the final levy request at their meeting in November. At the September 2017 meeting, the Commission held a public hearing on the project and adopted a resolution officially ordering the project, certifying costs to Hennepin County, and entering an agreement with the City of Crystal for design and construction. The City is hiring Barr Engineering to design the project which will get underway this winter.

2017 Plymouth Creek Restoration Project, Annapolis Lane to 2,500 feet Upstream (2017CR-P): All project documents including the feasibility study and 90% design plans are available online at

<http://www.bassettcreekwmo.org/index.php?cID=284>. The BCWMC executed agreements with the BWSR for a \$400,000 Clean Water Fund grant and with Hennepin County for a \$50,000 Opportunity Grant and a subgrant agreement with the City was executed. Project design was recently completed by the city's contractor, Wenck Associates, with 60% and 90% design plans being approved by the Commission at the April and August 2017 meetings, respectively. Project construction bids were opened on October 6th. Plymouth City Council will award the bid by the end of October. All necessary permits have been approved. The project is slated for construction this winter. In October the City and the Commission received a letter from a law firm hired by adjacent property owners indicating their belief that the project is unlawful. At the landowner's request a meeting was scheduled with city staff, the city's design consultant, the Commission Engineer and me to further discuss the project with the landowner. The landowner and their lawyer cancelled the meeting at the last minute and have requested that attorneys for the various parties meet instead. The city council will consider awarding the construction project to its chosen bidder at an upcoming council meeting.

2017 Main Stem Bassett Creek Streambank Erosion Repair Project (2017CR-M) (No change since October): The feasibility study for this project was approved at the April Commission meeting and the final document is available on the project page at: <http://www.bassettcreekwmo.org/index.php?cID=281>. A Response Action Plan to address contaminated soils in the project area was completed by Barr Engineering with funding from Hennepin County and was reviewed and approved by the MPCA. The Commission was awarded an Environmental Response Fund grant from Hennepin County for \$150,300 and a grant agreement is in the process of being signed by the county. A subgrant agreement with the City will be developed. The City hired Barr Engineering to design and construct the project. Fifty-percent and 90% designs were approved at the August and October Commission meetings, respectively. In September, design plans were presented by Commission and city staff to the Harrison Neighborhood Association's Glenwood Revitalization Team committee and through a public open house on the project.

2016 Northwood Lake Improvement Project, New Hope (NL-1): (No change since August.) Northwood Lake Improvement Project is nearing completion with all major work complete. The storm water tank was fully operational in June and will be irrigating the fields for the summer. The educational sign is being designed and will be installed soon. The 2nd rain garden was planted with the fescue grass in June.

I recently submitted grant audit materials to MPCA which were approved. A grand opening of the park was held on May 15th. Friends of Northwood Lake disseminated water quality educational materials, including BCWMC materials. A semi-annual grant report was submitted to the MPCA in July.

2016 Honeywell Pond Expansion Project, Golden Valley (BC-4) (No change since October): In spring 2016, the Honeywell Pond Project was bid as part of the City of Golden Valley and Hennepin County's Douglas Drive (CSAH 102) Reconstruction Project. The reconstruction project began in June 2016. Excavation of the pond basin is complete and the disturbed soils around the pond were temporarily stabilized. The force main work was recently completed. The lift station and pumps have been installed and will be connected to the Sandburg Athletic complex this fall. Park Construction is working with Excel Energy to complete the final connection of power to the lift station. Final stabilization of the pond is set to be completed later this month. The area will be seeded with a mix of natives including wetland and upland species.

2015 Main Stem Restoration Project 10th Avenue to Duluth Street, Golden Valley (2015CR) (No change since October): The restoration project is being constructed in two phases, each under separate contract. Phase one included stream bank shaping, placement of field stone rock and 12-inch bio-logs, and repair of storm sewer outlets. The first phase of the project began in November 2015 and was finished in June 2016. Turf establishment and minor restoration repairs in Phase 1 were accepted in late October 2016. Repairs to some areas where flooding impacted rocks or biologs were completed and accepted in mid-December 2016. Phase 1 of the construction project has entered the warranty period.

Phase 2 of the project includes the establishment of native vegetation along the stream, including grasses, wildflowers, shrubs, live stakes and fascines, and cordgrass plugs. The project has been seeded and stabilized and maintenance mowing and spot treatments have been completed. Applied Ecological Services (AES) installed live stakes and fascines this spring and completed the tree and shrub planting along the restoration project. AES will continue to monitor and maintain the native vegetation through 2018. It is anticipated that the total contract amount for both Phase one and Phase two will be within the Watershed's overall project budget.

2014 Schaper Pond Diversion Project, Golden Valley (SL-3) (No change since October): Last August (2016), the Commission Engineer reported that the structure had been vandalized and repair was needed. The City executed a change order with Sunram Construction to add weights to some of the baffle anchors; which was accomplished this spring. After another anchor pulled out earlier this year, the City's utility department added 200 pounds to the remaining anchors and replaced and reinstalled the anchor that had pulled out. The city continues to monitor the baffle and check the anchors. Vegetation around the pond was planted last year. Final inspection of the vegetation will be completed this fall to see if there is any necessary action needed from the contractor. Once final vegetation has been completed, erosion control will be pulled and the contract will be closed. This summer, the Commission Engineer began monitoring the effectiveness of the pond.

2014 Twin Lake In-lake Alum Treatment, Golden Valley (TW-2): (No change since January.) 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 this summer will help determine if a second dose of alum is needed to retain water quality.

2013 Four Season Area Water Quality Project/Agora Development (NL-2) (No change since August): 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 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.

Other Work

CIP Project Work and Technical Assistance

- Developed and posted [CIP Project Status Table](#) to be updated regularly
- Attended Bryn Mawr Improvement Project kick-off meeting and created project webpage
- Created Westwood Lake Improvement Project webpage
- Reviewed and commented on materials for DeCola Ponds public open house
- Participated in BWSR Local Water Roundtable conference call
- Participated in St. Louis Park Visioning Session for Local Water Management Plan development
- Reviewed and revised fact sheet on BCWMC XP-SWMM Project and new flood elevations

Administration and Education

- Met with Plymouth staff about file management and records retention; organized/culled some paper files and prepped some files for scanning; communicated with other BCWMC consultants about managing records they generate
- Gathered samples from CAMP volunteers
- Attended Watershed Partners Workshop on Building Climate Resilient Communities
- Attended meeting with Metro Blooms and @glenwood development team about opportunities for stormwater BMPs