



Bassett Creek Watershed Management Commission

Regular Meeting
Thursday July 19, 2018
8:30 – 11:00 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. CONSENT AGENDA

- A. Approval of Minutes – June 21, 2018 Commission Meeting
- B. Acceptance of July 2018 Financial Report
- C. Approval of Payment of Invoices
 - i. Keystone Waters, LLC – June 2018 Administrative Services
 - ii. Keystone Waters, LLC – June 2018 Meeting Materials Distribution Expenses
 - iii. Barr Engineering – June 2018 Engineering Services
 - iv. Triple D Espresso – July 2018 Meeting Refreshments
 - v. Wenck – June 2018 WOMP Monitoring
 - vi. Lawn Chair Gardener – June 2018 Administrative and Education Services
 - vii. Kennedy Graven – May 2018 Legal Services
 - viii. ECM Publishers – Public Hearing Notice
 - ix. Finance & Commerce – Public Hearing Notice
 - x. Metro Blooms – Harrison Neighborhood Local Match
- D. Approval of Reimbursement Request from Plymouth for Plymouth Creek Restoration Project (2017CR-P)

5. BUSINESS

- A. Receive Presentation from Wellington Management on Potential Bassett Creek Valley Redevelopment (30 minutes)
- B. Consider Approval of 50% Design Plans for Westwood Lake Improvement Project (WST-2) (20 minutes)
- C. Consider Approval of Proposal to Develop Jevne Park Stormwater Improvement Project Feasibility Study (ML-21) (30 minutes)
- D. Consider Honeywell Pond Expansion Project Reimbursement Adjustment (BC-4) (15 minutes)
- E. Review Process for Review and Approval of Local Water Management Plans (15 minutes)
- F. Review Comments on Minneapolis Local Water Management Plan (15 minutes)
- G. Receive Update on Mater Water Stewards Program (10 minutes)

6. COMMUNICATIONS (15 minutes)

- A. Administrator's Report
 - i. Update on Sweeney Lake Aeration Study Public Meeting
- B. Chair
- C. Commissioners
- D. TAC Members
- E. Committees
 - i. CIP Prioritization Committee
- F. Legal Counsel
- G. Engineer
 - i. Zebra Mussels in Medicine Lake
 - ii. Schaper Pond Effectiveness Monitoring
 - iii. Routine Water Quality Monitoring

7. INFORMATION ONLY (Information online only)

- A. Administrative Calendar
- B. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet
- D. WCA Notice of Decision, Blue Line LRT
- E. WCA Notice of Decision, Plymouth
- F. WCA Notices of Application (3), Plymouth

8. ADJOURNMENT

Upcoming Meetings & Events

- Sweeney Lake Aeration Study Informational Meeting: August 1st, 6:30 p.m., Brookview Community Center, Golden Valley
- BCWMC Regular Meeting: August 16th, 8:30 a.m., Golden Valley City Hall



Bassett Creek Watershed Management Commission

AGENDA MEMO

Date: July 11, 2018

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: Background Information for 7/19/18 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 – June 21, 2018 Commission Meeting- **ACTION ITEM with attachment**
 - B. Acceptance of July 2018 Financial Report - **ACTION ITEM with attachment**
 - C. Approval of Payment of Invoices - **ACTION ITEM with attachments (online)** – *I reviewed the following invoices and recommend approval of payment.*
 - i. Keystone Waters, LLC – June 2018 Administrative Services
 - ii. Keystone Waters, LLC – June 2018 Meeting Materials Distribution Expenses
 - iii. Barr Engineering – June 2018 Engineering Services
 - iv. Triple D Espresso – July 2018 Meeting Refreshments
 - v. Wenck – June 2018 WOMP Monitoring
 - vi. Lawn Chair Gardener – June 2018 Administrative and Education Services
 - vii. Kennedy Graven – May 2018 Legal Services
 - viii. ECM Publishers – Public Hearing Notice
 - ix. Finance & Commerce – Public Hearing Notice
 - x. Metro Blooms – Harrison Neighborhood Local Match
 - D. Approval of Reimbursement Request from Plymouth for Plymouth Creek Restoration Project (2017CR-P) – **ACTION ITEM with attachment (full document online)** – *At their meeting in September 2016, the Commission approved an agreement with the City of Plymouth to design and construct this project. Most of the construction is complete. The city is requesting reimbursement for construction costs and construction-related expenses. Staff recommends approval.*
5. **BUSINESS**
 - A. Receive Presentation from Wellington Management on Potential Bassett Creek Valley Redevelopment (30 minutes) – **INFORMATION ITEM with attachment** – *Wellington Management is the “developer of record” for three city-owned parcels at the SW corner of 2nd and Van White in Minneapolis. The firm is working closely with the City, and the project team is performing geotechnical, environmental, and civil investigations sponsored by grants from Hennepin County and Met Council. BCWMC and Minneapolis staff met with the Wellington team in June and thought the Commission would like to review master plan concepts and learn about potential impacts on the surrounding Bassett Creek Valley area. Attached are maps showing the area with the creek in it’s current alignment and a possible future meandered alignment. David Wellington will review potential redevelopment scenarios.*

- B. Consider Approval of 50% Design Plans for Westwood Lake Improvement Project (WST-2) (20 minutes) – **ACTION ITEM with attachment** – *At their meeting in May, the Commission approved the final feasibility report for this project and chose “Concept 3” – a linear water feature that will capture roof runoff and offer interactive educational opportunities. The Hennepin County Administrative Committee recently approved the maximum levy for the project. The County Board will act on the max levy on July 24. The Commission is expected to officially order the project at their August meeting. The City recently hired Barr Engineering to design the project. Barr staff will present the attached 50% designs. Staff recommends approval.*
- C. Consider Approval of Proposal to Develop Jevne Park Stormwater Improvement Project Feasibility Study (ML-21) (30 minutes) - **ACTION ITEM with attachment** – *This project was officially added to Table 5-3 (CIP) of the Watershed Plan through a plan amendment last year and is included in the Commission’s 5-year CIP for implementation in 2020. A feasibility study should get underway in the coming months so field work can take place before winter conditions. The City of Medicine Lake requested that the Commission Engineer develop the feasibility study for this project. The Commission Engineers and I recently met with the city’s team assigned to this project and walked through the proposed activities. Staff recommends approval of the attached scope of work and direction to begin the study.*
- D. Consider Honeywell Pond Expansion Project Reimbursement Adjustment (BC-4) (15 minutes) – **DISCUSSION ITEM with attachment** – *At the June 21st meeting, the Commission approved the final report and reimbursement request from the City of Golden Valley for this project. The Commission also directed staff to provide further information on the city costs vs. BCWMC costs in light of pollutant removal credits the city used for the adjacent Douglas Drive Project. Please see the attached letter from Golden Valley including findings and a recommendation to reimburse the BCWMC a portion of the CIP funds.*
- E. Review Process for Review and Approval of Local Water Management Plans (15 minutes) – **DISCUSSION ITEM no attachment** – *Attorney Gilchrist will provide a review of State Law and Rules regarding approval of local water management plans along with recommendations on the review/approval timing and process. Staff is requesting direction and Commission consensus on what is needed to approve a local plan, and the appropriate review timeframe and process.*
- F. Review Comments on Minneapolis Local Water Management Plan (15 minutes) – **ACTION ITEM with attachment** – *The Commission Engineer reviewed the Minneapolis Water Resources Management Plan and has the attached comments including revisions required in order to be in compliance with the Bassett Creek Watershed Plan, and other recommended revisions. Staff also took into consideration Met Council’s comments which are attached for reference. Staff recommends submitting the attached letter and comments to the city. The city recently extended the review and approval period to September 20th.*
- G. Receive Update on Mater Water Stewards Program (10 minutes) – **INFORMATION ITEM no attachment** - *Hennepin County is sponsoring 5 residents in the Master Water Stewards program <https://masterwaterstewards.org/> including paying the tuition, contributing \$2000 toward installation of capstone projects for each student, and providing technical and design assistance to each student. Stewards complete classes on a variety of topics from governance to hydrology to community engagement. They are required to complete a capstone project which includes installation of a water management project and an associated public outreach campaign. They do all this with a cohort of other stewards, to build connection and community around shared values. The County would like help recruiting residents to participate. Let me know if you know someone interested.*

6. COMMUNICATIONS

- A. Administrator's Report – **INFORMATION ITEM with attachment**
 - i. Update on Sweeney Lake Aeration Study Public Meeting
- B. Chair
- C. Commissioners
- D. TAC Members
- E. Committees
 - i. CIP Prioritization Committee
- F. Legal Counsel
- G. Engineer
 - i. Zebra Mussels in Medicine Lake
 - ii. Schaper Pond Effectiveness Monitoring
 - iii. Routine Water Quality Monitoring

7. INFORMATION ONLY (Information online only)

- A. Administrative Calendar
- B. CIP Project Updates <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet
- D. WCA Notice of Decision, Blue Line LRT
- E. WCA Notice of Decision, Plymouth
- F. WCA Notices of Application (3), Plymouth

8. ADJOURNMENT

Upcoming Meetings & Events

- Sweeney Lake Aeration Study Informational Public Meeting: August 1st, 6:30 p.m., Brookview Community Center, Golden Valley
- BCWMC Regular Meeting: August 16th, 8:30 a.m., Golden Valley City Hall



Item 4A.
BCWMC 7-19-18

Bassett Creek Watershed Management Commission

DRAFT Minutes of Regular Meeting
Thursday, June 21, 2018
8:30 a.m.

Golden Valley City Hall, Golden Valley MN

1. CALL TO ORDER and ROLL CALL

On Thursday, June 21, 2018 at 8:31 a.m. in the Council Conference Room at Golden Valley City Hall (7800 Golden Valley Rd.), Chair de Lambert called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken.

Commissioners and city staff present:

City	Commissioner	Alternate Commissioner	Technical Advisory Committee Members (City Staff)
Crystal	NA	NA	Mark Ray
Golden Valley	Stacy Harwell	<i>Absent</i>	Eric Eckman
Medicine Lake	Clint Carlson	Gary Holter	<i>Absent</i>
Minneapolis	Michael Welch	NA	<i>Absent</i>
Minnetonka	Mike Fruen*	<i>Absent</i>	Tom Dietrich
New Hope	<i>Absent</i>	Pat Crough	Megan Albert
Plymouth	<i>Absent</i>	John Byrnes	Derek Asche
Robbinsdale	Michael Scanlan*	<i>Absent</i>	Marta Roser
St. Louis Park	Jim de Lambert	Patrick Noon	Erick Francis
Administrator	Laura Jester, Keystone Waters		
Engineer	Karen Chandler, Jim Herbert, and Patrick Brockamp, Barr Engineering		
Recorder	Dawn Pape, Lawn Chair Gardener		
Legal Counsel	Troy Gilchrist, Kennedy & Graven		
Presenters/ Guests/Public	Chuck Schmidt, New Hope resident; Christopher Gise, Golden Valley resident; Dave Anderson, Crystal resident		

*Arrived after business started

2. CITIZEN FORUM ON NON-AGENDA ITEMS

None.

3. APPROVAL OF AGENDA

Chair de Lambert requested to approve the agenda. There was a request to add agenda item 6F Consider Approval of Blue Line LRT WCA Notice of Decision.

MOTION: Commissioner Carlson moved to approve the amended agenda. Alt. Commissioner Crough seconded the motion. Upon a vote, the motion carried 7-0. [Cities of Minnetonka, Robbinsdale, and Crystal absent from the vote.]

4. CONSENT AGENDA

There was a request to remove 4H Approval to Submit Comments on Golden Valley Surface Water Management Plan from the consent agenda and add that item to the meeting agenda as 6G.

MOTION: Alt. Commissioner Byrnes moved to approve the amended consent agenda. Commissioner Carlson seconded the motion. Upon a vote, the motion carried 6-0. [Cities of Minnetonka, Robbinsdale, and Crystal absent from the vote.]

[Commissioner Fruen arrives.]

The following items were approved as part of the consent agenda: May 2018 commission meeting minutes, June 2018 financial report, payment of invoices, approval to reimburse the City of Plymouth for Plymouth Creek Restoration Project (2017CR-P), approval to reimburse the City of New Hope for Northwood Lake Improvement Project (NL-1), approval to reimburse Commissioner Scanlan for Workshop on the Water Registration, and set public hearing on 2019 Capital Improvement Projects for August 16, 2018

The general and construction account balances reported in the June 2018 Financial Report are as follows:

Checking Account Balance	\$ 688,977.64
<hr/>	
TOTAL GENERAL FUND BALANCE	\$ 688,977.64
<hr/>	
TOTAL CASH & INVESTMENTS ON-HAND (6/13/18)	\$ 2,555,805.06
<hr/>	
CIP Projects Levied – Budget Remaining	(\$ 4,117,153.27)
<hr/>	
Closed Projects Remaining Balance	(\$ 1,561,348.21)
<hr/>	
2012-2016 Anticipated Tax Levy Revenue	\$ 3,721.01
<hr/>	
2017 Anticipated Tax Levy Revenue	\$ 1,771.12
<hr/>	
Anticipated Closed Project Balance	(\$ 1,555,856.08)
<hr/>	

5. Public Hearing

A. Receive Comments from Cities and Public on Proposed Minor Plan Amendment

Chair de Lambert opened the public meeting at 8:35 a.m. Administrator Jester reminded commissioners that at the April meeting, the Commission approved a 5-year Capital Improvement Program (CIP) and directed staff to begin a

minor plan amendment process to incorporate new projects into the CIP. She gave an overview of the proposed minor plan amendment and reported that the Commission received correspondence from the MnDNR, BWSR, and Met Council that they had no comments on the proposed amendment. Chair de Lambert asked if any commissioners, TAC members, or members of the audience had questions or comments on the proposed amendments. There were none. Chair de Lambert closed the public hearing at 8:40.

Administrator Jester also reported that Hennepin County requested an extension to the comment period to July 25, 2018.

MOTION: Commissioner Welch moved to extend the comment period on the proposed minor plan amendment until July 25, 2018. Commissioner Carlson seconded the motion. Upon a vote, the motion carried 7-0. [Cities of Robbinsdale and Crystal absent from the vote.]

6. Business

[Business items were taken out of order to accommodate staff schedules.]

C. Discuss Interest and Logistics of Inviting Commissioners to Participate in Bassett Creek Deep Tunnel Inspection

Engineer Chandler introduced Commission Engineer Jim Herbert. Engineer Herbert gave an overview of the Bassett Creek deep tunnel and noted it is slated for inspection this year if the Army Corps of Engineers (ACOE) will allow the Mississippi River pool to be lowered. He noted this presents an opportunity for commissioners/TAC members to enter and observe portions of the tunnel. He said if the Commissioners/TAC members are interested in participating in a tour, there are several logistical items regarding planning, safety, equipment, etc. to be considered and planned. Engineer Herbert walked through various options for the tour and noted costs are difficult to estimate with so many variables. He also noted a short (30-minute) confined space training will be required for tour participants.

[Commissioner Scanlan arrives.]

Attorney Gilchrist noted that there is risk involved and that a liability waiver will be needed.

Commissioner Fruen asked what the purpose of the tour would be. Staff noted that this would be informational and educational for commissioners to see a significant structure that is discussed often by the commission and which performs such an important role to the flood control in the watershed. There was a suggestion that a video of the tunnel tour might be a good idea.

Through a show of hands, 17 people at the meeting expressed interest in a short tour. Several members were also interested in a longer tour, but they were concerned about incurring expenses to pay for the tour. Administrator Jester reminded the Commission that watershed tours have been done every other year in the past, so spending \$1,000-2,000 on a tour isn't unprecedented.

Engineer Herbert closed by laying out a timeline. They would need a variance from ACOE and Xcel Energy needs to turn off turbines so this tour would likely happen in October or November. Barr will come back with details and an updated cost estimate at a future meeting.

A. Consider Approval of 90% Design Plans for Bassett Creek Park Phase I Dredging Project: Winnetka Pond (BCP-2)

Engineer Chandler reminded commissioners that 50% plans for this project were approved at the April meeting. She gave a presentation on the changes since the presentation of the 50% plans. She reported on the May 24, 2018 open house feedback, noting that the four attendees were in support of the project, especially the native buffer, although there was concern about the damage rabbits may do to young plants. She noted the NPDES Phase II permit is not triggered even though the project is an acre in size because the grading will not exceed one acre. She also reviewed the project costs, noting they had been refined and were lower than at 50% design estimates. However, she noted that since 75% of the costs are from dredging, that even a slight change in unit cost for that work would have a large impact on the overall project cost.

Engineer Chandler recommended requested that the Commission approve the plans and authorize the city to proceed with final plans, contract documents, and permitting. She also asked the Commission to consider the request from the city for reimbursement of easement development and acquisition costs of approximately \$3,000.

Commissioner Welch asked if there were any changes in the effectiveness of the project between the 50% plans and 90% plans. Engineer Chandler replied no. The only things that might change effectiveness are: if the MnDNR would not allow dredging to 6 feet or if construction costs are higher than expected. It was also noted that dump trucks will not be driving through any neighborhoods and will not access the project area through the apartment driveway.

MOTION: Commissioner Welch moved to approve the 90% Design Plans for Bassett Creek Park Phase I Dredging Project: Winnetka Pond (BCP-2), authorize the city to proceed with final plans, contract documents, and permitting; and not to reimburse the city for easement development and acquisition costs. Commissioner Carlson seconded the motion.

Discussion: Commissioner Carlson asked for clarification on the easement. Mr. Ray (Crystal TAC member) informed the Commission that it would be a permanent easement from the apartment owners and that the easement itself is being offered at no cost. Administrator Jester offered some context noting that approving this easement cost does not mean future easements will be reimbursed because the Watershed Plan states that easement costs will be considered an eligible project cost on a case-by-case basis.

Commissioner Welch stated that there is no policy regarding easements so the Commission should not pay for easement costs without distinguishing criteria and a clearly articulated policy. He noted that considering costs on a case-by-case basis seems random and arbitrary.

Commissioner Carlson said that he considers the easement as part of the project cost because the project cannot be done without the easement. Mr. Ray added that this easement is needed for the ability to maintain the project.

There was consensus that a policy was needed to address this and similar issues regarding the need for criteria in determining eligible project costs. Administrator Jester noted the CIP Prioritization Committee might be able to address this.

MOTION: Commissioner Harwell moved to amend the motion to add the \$3,000 reimbursement for easement costs. Alt. Commissioner Crough seconded the motion. Upon a vote, the motion carried 5-3. [Welch, Byrnes and de Lambert voting against; City of Crystal was absent from the vote.]

VOTE on original motion, as amended: Upon a vote, the motion carried 8-0. [City of Crystal absent from the vote.]

B. Consider Approval of Final Report and Reimbursement Request for Honeywell Pond Expansion Project (BC-4)

Administrator Jester reminded commissioners that at the August 2015 meeting, the Commission approved an agreement with the City of Golden Valley to design and construct this project. She noted the project is complete and the city is presenting a final report and requesting final reimbursement.

Mr. Eckman (TAC member, Golden Valley) gave an overview of the project noting the project was completed in conjunction with Hennepin County's Douglas Drive Reconstruction Project. He reported the project expanded Honeywell pond from a surface area of 1.5 acres to 2.4 acres which also increased the flood storage and dead storage of the pond. A 48-inch low-flow diversion pipe was installed from Douglas Drive to maximize the volume of water to Honeywell Pond from low-flow events. A native buffer was also installed to provide habitat around much of the pond.

Mr. Eckman reported Honeywell Pond is also used as a source of irrigation water for the Sandburg athletic fields and is treated by an infiltration system that was installed along Douglas Drive. A pump system was installed along with a force main to allow the water to be pumped from the pond and run to the different sites. The pumps have automatic sensors that will not allow the pond to be pumped below a designated level. The project's 90% design plans estimated that 61 lbs. of total phosphorus per year will be removed by the pond after expansion, compared to

36 lbs./year prior to expansion. The irrigation and infiltration systems will remove an additional 15 lbs. of total phosphorus/year.

Commissioner Welch recalled that the Commission agreed to allow a portion of the pollutant removal from this project to be used as part of the water quality requirements for the Douglas Drive reconstruction project because the city was also putting funding towards the CIP project. Administrator Jester noted that city costs for the project were expected to be \$450,000 which is considerably more than the \$153,000 reported to have been actually spent by the city. Mr. Eckman told the Commission that the agreement between the city and Commission states total maximum reimbursable cost to the city and he acknowledged that the city's costs were less than expected, but that the agreement was followed.

MOTION: Commissioner Scanlan moved to approve the final report and reimbursement request for Honeywell Pond Expansion Project (BC-4). Alternate Commissioner Crough seconded the motion.

Discussion continued. It was noted the cooperative agreement does not address pollutant removal percentages.

MOTION: Commissioner Welch moved to amend the prior motion by adding direction to staff to review pollutant removals and funding expectations on this project and come back with additional information at a future meeting. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 8-0. [City of Crystal absent from the vote.]

VOTE on original motion, as amended: Upon a vote, the motion carried 8-0. [City of Crystal absent from the vote.]

D. Receive Report on Status of Twin Lake Alum Treatment and Consider Recommendations

Commission Engineer Chandler reminded the Commission that Twin Lake received the first phase of an alum treatment in the spring of 2015 (CIP project TW-2). She noted that the first phase delivered half of the total dosage of aluminum to immobilize phosphorus in the lake sediments and reduce internal phosphorus loading, protecting the high water quality of the lake. She reported the split dosage minimizes the potential impacts on aquatic biota and improves the overall treatment efficiency and longevity of the alum treatment. She reported that the Commission Engineer recently analyzed Twin Lake's sediment and water quality data to determine when, or if, a second dose of alum is needed.

Engineer Chandler walked through the results of the recent sediment and water testing, She reported that based on Barr's review of the data, the first phase of alum treatment was very successful at controlling internal phosphorus loading and they do not feel that it would be beneficial to conduct the second phase of the alum treatment now. She noted the floc is still near the top of the sediment (as shown by the sediment core) and there are very low phosphorus levels in the bottom waters of the lake. She noted a second dose is likely to be necessary in the future and that staff recommends holding the CIP funds (approximately \$71,000 remaining) until the second dose of alum treatment was needed.

There was consensus among commissioners that this was a logical way to proceed.

E. Receive Update on Process and Timelines on CIP Projects

Administrator Jester reported that there are several atypical CIP project schedules. She updated the Commission on the status of these projects.

Construction is delayed for the 2017 Main Stem Bassett Creek Erosion Repair Project (2017CR-M) because in late April (2018), the US Army Corps of Engineers issued an unanticipated letter requiring a field-based cultural and historical survey of the project area. The field work and reporting will take about 6-8 weeks after city approval and then the Corps requires additional time to review the report. Engineer Chandler noted that they are working with ACOE to understand if this unexpected requirement will be needed for all future CIP projects. Due to an unrelated

situation, Pioneer Paper, a business/landowner from whom construction access is necessary to complete much of the project, is requesting a delay in the project so they can manage their storage issues. Because of these situations, it is anticipated that construction will proceed in the winter or spring of 2019.

Construction is on schedule for winter of 2018-19 for the 2018 Bassett Creek Park Phase I Dredging Project: Winnetka Pond (BCP-2).

Construction for the 2019 DeCola Ponds Improvement Project is also on schedule with the county board considering levy requests this summer, MnDNR grant agreement and contract to be signed in August, public hearing at August 16th BCWMC board meeting and project design slated to start in the fall of 2018.

The 2019 Westwood Lake Improvement Project (WST-2) design is ahead of schedule. Design is ahead of schedule to coincide with design of the new nature center. 50% design plans are expected in July, even before the Commission officially orders the project and enters into an agreement with the city. Administrator Jester noted the city is aware of the slight financial risk they have to begin incurring costs on a project not yet ordered. 90% plans are expected at the August meeting. Construction is scheduled to begin in the spring of 2019.

2020 Crane Lake Improvement Project via Ridgedale Drive (CL-3) feasibility/design is also ahead of schedule and in a similar situation as Westwood Lake with the city incurring costs well before the BCWMC orders the project and enters into an agreement with the city. It's expected the BCWMC will review a feasibility study late summer or early fall and review 60% and 90% designs in September and November of this year. The BCWMC won't officially order the project until next summer.

2020 Bryn Mawr Meadows Improvement Project (BC-5) is ahead of schedule because it was recently moved from a 2019 project to a 2020 project. The Commission is expected to review the draft feasibility study in July and consider the final feasibility study and set the project budget for the 2020 levy late this summer. Next May the Commission will set the maximum levy for 2020. During the summer of 2019, the county board will consider the maximum levy request with BCWMC to hold a public hearing, order project, set the final levy, and enter into an agreement with the city to design and construct the project in the fall of 2019.

2020 Jevne Park Stormwater Pond (ML-21) is on typical schedule with a similar timeline as the above Bryn Mawr Meadows.

F. Consider Approval of Blue Line LRT Wetland Conservation Act Notice of Decision

Engineer Chandler told the Commission that the BCWMC is the local government unit (LGU) responsible for administering the Wetland Conservation Act (WCA) in the cities of Medicine Lake, Robbinsdale and St. Louis Park. The other member cities are the LGUs for WCA in BCWMC. She reminded commissioners that in 2016, the BCWMC delegated to BCWMC staff (Engineer and Administrator) the final decision-making authority for WCA exemption, no loss, and wetland boundary and type delineations.

Engineer Chandler noted that in the BCWMC, the Blue Line LRT is located in the cities of Minneapolis, Golden Valley, Robbinsdale, and Crystal. Within BCWMC, the Blue Line LRT project only affects wetlands in Minneapolis, Golden Valley and Robbinsdale. Even though the BCWMC is the LGU only for Robbinsdale, the other cities requested BCWMC to do WCA administration assistance for the wetlands, but the cities are retaining their decision-making authority.

Engineer Chandler reported that the Notice of Decision the BCWMC is being asked to approve covers three decisions in Robbinsdale: no loss, sequencing, and replacement plan. Because two of the decisions were not delegated to BCWMC staff, the Commission needs to make the final decision. A decision is needed by July 8th.

Engineer Chandler reported that the entire Blue Line LRT project will impact nearly 15 acres of wetland. About 6.7 acres are permanent impacts that require 2:1 replacement. As a result, the wetland replacement plan calls for the purchase of 13.3112 acres of wetland banking credits. 6.556 acres of these banking credits are required for impacts within Robbinsdale. There are other impacts within the BCWMC, but they are under the jurisdiction of Minneapolis

and Golden Valley. The Technical Evaluation Panel (TEP) recommended approval of the no loss activity, the wetland impact sequencing and the wetland replacement plan. The banking credits are to be purchased within Hennepin County and/or the watershed expanding to other counties within the U.S. Army Corps of Engineers' bank service area. The only condition on the approval is that the purchase agreements and withdrawal transaction forms be provided as soon as they are available. The TEP recommended approval of the three decisions including purchasing banking credits. Engineer Chandler also recommended that the Commission support this and authorize the Commission Chair to sign the Notice of Decision form.

MOTION: Commissioner Welch moved to approve the no loss, sequencing, and replacement plan for wetland impacted by the Blue Line LRT. Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 8-0. [City of Crystal absent from the vote.]

G. Consider Approval to Submit Comments on Golden Valley Surface Water Management Plan (SWMP)

Administrator Jester noted that since the meeting materials went out, staff learned that the 60-day comment period for local water management plans needs to include not only the review and preparation of a comment letter, but also the approval or disapproval of the LWMP. Since there is not enough time for those actions to take place, she is recommending the Commission request an extension from the City of Golden Valley.

MOTION: Commissioner Scanlan moved to request a 60-day extension and to submit comments on the Surface Water Management Plan to the City of Golden Valley. Commissioner Welch seconded the motion. Upon a vote, the motion carried 8-0. [City of Crystal absent from the vote.]

Commissioner Welch stated that it would be good practice to approve local water management plans by resolution and to include a memo on how the city addressed comments and how ordinances were updated and/or incorporated into city code.

7. COMMUNICATIONS

A. Administrator's Report

- i. BCWMC is sponsoring a Smart Salt Training on September 26th with a focus on Level 1 for roads. She will distribute registration information soon.
- ii. The analysis of linear project requirements will be presented at the September Commission meeting.

B. Chair

Chair de Lambert gave a friendly reminder that the work of the committees is very important and that committee members should make efforts to attend committee meetings.

C. Commissioners

Commissioner Harwell reported that she attended a Metro GIS workshop on data collaboration and that attendees are looking for pilot study projects. She will bring more information to a future meeting. Commissioner Fruen noted that his niece works with the MnDNR on invasive plants in Lake Pepin and he found her work very interesting and applicable here. Commissioner Welch stated that the limited liability legislation for chloride didn't pass, but it wasn't likely due to political reasons.

D. TAC Members

Nothing to report

E. Committees

Commissioner Welch reported the CIP prioritization committee met and received a presentation from Minnehaha Creek Watershed District that should be given, in part, to commissioners at an upcoming meeting.

F. Legal Counsel

Nothing to report

G. Engineer

i. Zebra Mussels in Medicine Lake

One adult zebra mussel was found in each of 4 distinct locations. The MnDNR indicates this population isn't treatable because they are not limited to an isolated area. Three Rivers Park District is responsible for taking the lead on this issue, according to the BCWMC AIS Rapid Response plan. Staff contacted MAISRC regarding the situation and any recommendations. They haven't yet received a response. Staff will follow up with MnDNR on a SCUBA survey and will distribute the map of zebra mussel locations.

ii. Schaper Pond Effectiveness Monitoring

The bathymetric survey and spring water quality sampling are complete. The carp survey hasn't yet been completed.

iii. Sweeney Lake Aeration Study BCWMC

Results were reviewed at a meeting with city staff and the president of the Sweeney Lake Association. A public meeting will be held later this summer.

8. INFORMATION ONLY (Information online only)

- A. Administrative Calendar
- B. CIP Project Updates Chart <http://www.bassettcreekwmo.org/projects>
- C. Grant Tracking Summary and Spreadsheet
- D. WCA Notice of Decision, Plymouth
- E. One Water Summit (<http://uswateralliance.org/summit/one-water-summit-2018>)
- F. Upcoming Meetings & Events – BCWMC Regular Meeting: July 19th, 8:30 a.m., Golden Valley City Hall

9. ADJOURNMENT

The meeting adjourned at 11:04 a.m.

Signature/Title Date

Signature/Title Date

Bassett Creek Watershed Management Commission General Account
 General Fund (Administration) Financial Report
 Fiscal Year: February 1, 2018 through January 31, 2019
 MEETING DATE: July 19, 2018

Item 4B.
 BCWMC 7-19-18

BEGINNING BALANCE	13-Jun-18	688,977.64
ADD:		
General Fund Revenue:		
Interest less Bank Fees		67.36
Metropolitan Council	MT	1,740.50
Permits:		
Waters Edge Townhomes	BCWMC 2018-19	1,500.00
Reimbursed Construction Costs		139,524.18
	Total Revenue and Transfers In	142,832.04
DEDUCT:		
Checks:		
3093 Barr Engineering	june Engineering	42,911.47
3094 Kennedy & Graven	May Legal	1,711.40
3095 Keystone Waters LLC	June Administrator	5,309.32
3096 Lawn Chair Gardener	June Admin Serv/Educ	1,177.89
3097 Triple D Espresso	July Meeting	104.22
3098 Wenck Associates	June WOMP	1,342.41
3099 ECM Publishers	Legal Notice	333.20
3100 Finance & Commerce	Legal Notice	68.00
3101 Metro Blooms	Harrison Neighborhood	4,000.00
3102 VOID	VOID	0.00
3103 City of Plymouth	Plymouth Creek Restor	130,749.83
	Total Checks/Deductions	187,707.74
Outstanding from previous month:		
3087 Three Rivers Park District	Decontamination Unit/!	19,211.84
ENDING BALANCE	11-Jul-18	644,101.94

Bassett Creek Watershed Management Commission General Account

General Fund (Administration) Financial Report

(UNAUDITED)

Fiscal Year: February 1, 2018 through January 31, 2019

MEETING DATE: July 19, 2018

	2018 /2019 BUDGET	CURRENT MONTH	YTD 2018 /2019	BALANCE
OTHER GENERAL FUND REVENUE				
ASSESSMENTS TO CITIES	515,000	0.00	515,050.00	(50.00)
PROJECT REVIEW FEES	55,000	1,500.00	32,500.00	22,500.00
WOMP REIMBURSEMENT	5,000	0.00	4,500.00	500.00
METROPOLITAN COUNCIL - LRT		1,740.50	1,740.50	
METRO BLOOMS - MET COUNCIL GRANT		0.00	36,541.24	
TRANSFERS FROM LONG TERM FUND & CIP	75,000	0.00	0.00	75,000.00
REVENUE TOTAL	650,000	3,240.50	590,331.74	97,950.00
EXPENDITURES				
ENGINEERING & MONITORING				
TECHNICAL SERVICES	125,000	11,159.00	61,710.74	63,289.26
DEV/PROJECT REVIEWS	75,000	3,689.47	27,712.47	47,287.53
NON-FEE/PRELIM REVIEWS	10,000	3,840.50	12,716.95	(2,716.95)
COMMISSION AND TAC MEETINGS	12,000	1,133.26	4,770.79	7,229.21
SURVEYS & STUDIES	12,000	0.00	0.00	12,000.00
WATER QUALITY/MONITORING	80,700	8,609.92	47,968.90	32,731.10
WATER QUANTITY	6,300	437.89	2,949.92	3,350.08
WATERSHED INSPECTIONS -EROSION CONTROL	1,000	0.00	0.00	1,000.00
ANNUAL FLOOD CONTROL INSPECTIONS	48,000	285.00	2,321.50	45,678.50
REVIEW MUNICIPAL PLANS	8,000	402.50	2,620.00	5,380.00
WOMP	20,500	1,885.99	8,326.75	12,173.25
XP-SWMM MODEL UPDATES/REVIEWS	10,000	3,956.00	8,918.00	1,082.00
APM / AIS WORK	32,000	0.00	23,427.74	8,572.26
ENGINEERING & MONITORING TOTAL	440,500	35,399.53	203,443.76	237,056.24
ADMINISTRATION				
ADMINISTRATOR	67,200	5,092.50	29,085.00	38,115.00
LEGAL COSTS	17,000	1,711.40	4,656.60	12,343.40
AUDIT, INSURANCE & BONDING	15,500	0.00	17,648.00	(2,148.00)
FINANCIAL MANAGEMENT	3,200	0.00	0.00	3,200.00
MEETING EXPENSES	1,600	104.22	624.12	975.88
ADMINISTRATIVE SERVICES	15,000	995.71	6,004.25	8,995.75
ADMINISTRATION TOTAL	119,500	7,903.83	58,017.97	61,482.03
OUTREACH & EDUCATION				
PUBLICATIONS/ANNUAL REPORT	1,500	0.00	937.00	563.00
WEBSITE	4,200	0.00	0.00	4,200.00
PUBLIC COMMUNICATIONS	2,500	401.20	401.20	2,098.80
EDUCATION AND PUBLIC OUTREACH	22,000	4,399.00	11,646.51	10,353.49
WATERSHED EDUCATION PARTNERSHIPS	13,850	0.00	3,850.00	10,000.00
OUTREACH & EDUCATION TOTAL	44,050	4,800.20	16,834.71	27,215.29
MAINTENANCE FUNDS				
EROSION/SEDIMENT (CHANNEL MAINT)	25,000	0.00	0.00	25,000.00
LONG TERM MAINTENANCE (moved to CF)	25,000	0.00	0.00	25,000.00
MAINTENANCE FUNDS TOTAL	50,000	0.00	0.00	50,000.00
TMDL WORK				
TMDL IMPLEMENTATION REPORTING	10,000	80.00	4,668.00	5,332.00
TMDL WORK TOTAL	10,000	80.00	4,668.00	5,332.00
TOTAL EXPENSES	664,050	48,183.56	282,964.44	381,085.56

Cash Balance 6/13/18				
Cash			46,879.00	
Transfer to purchase investments				
		Total Cash		46,879.00
Investments:				
Minnesota Municipal Money Market (4M Fund)			2,500,000.00	
Dividends-prior months			8,926.06	
Dividends-Current			3,310.68	
		Total Investments		<u>2,512,236.74</u>
		Total Cash & Investments		2,559,115.74
Add:				
Interest Revenue (Bank Charges)			108.66	
		Total Revenue	<u>108.66</u>	716,636.70
Less:				
CIP Projects Levied - Current Expenses - TABLE A			(134,158.18)	
Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B			<u>(2,106.00)</u>	
		Total Current Expenses		(136,264.18)
		Total Cash & Investments On Hand	07/11/18	<u><u>3,139,488.26</u></u>
Total Cash & Investments On Hand			3,139,488.26	
CIP Projects Levied - Budget Remaining - TABLE A			(3,982,995.09)	
Closed Projects Remaining Balance			(843,506.83)	
2012 - 2016 Anticipated Tax Levy Revenue - TABLE C			4,537.93	
2017 Anticipated Tax Levy Revenue - TABLE C			3,895.88	
Anticipated Closed Project Balance			<u><u>(835,073.02)</u></u>	
Proposed & Future CIP Project Amount to be Levied - TABLE B			0.00	

TABLE A - CIP PROJECTS LEVIED							
	Approved Budget	Current Expenses	2018 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	0.00	162,907.34	827,092.66		
2014							
Schaper Pond Enhance Feasibility/Project (SL-1)(SL-3)	612,000	3,408.35	7,857.87	357,519.27	254,480.73		
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	0.00	1,003,746.24	499,253.76		
2016							
Honeywell Pond Expansion (BC-4) ¹	810,930	0.00	785,623.00	810,930.00	0.00		
Northwood Lake Pond (NL-1) ²	822,140						
Budget Amendment	611,600						
	1,433,740	0.00	2,000.00	1,447,143.38	(13,403.38)	670,000	
2017							
Main Stem Cedar Lk Rd-Dupont (2017CR-M)	2017 Levy 400,000	1,064,472	0.00	0.00	126,376.39	938,095.61	
	2018 Levy 664,472						
Plymouth Creek Restoration (2017 CR-P)	2017 Levy 580,930	863,573	130,749.83	422,683.49	581,400.72	282,172.28	
	2018 Levy 282,643					200,000	
2018							
Bassett Creek Park & Winnetka Ponds Dredging (BCP-2)	1,000,000	0.00	0.00	61,069.25	938,930.75		
	<u>8,886,715</u>	<u>134,158.18</u>	<u>1,218,164.36</u>	<u>4,903,719.91</u>	<u>3,982,995.09</u>		

TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED

	Approved Budget - To Be Levied	Current Expenses	2018 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
2019					
Bryn Mawr Meadows (BC-5)	0	1,669.50	43,713.74	74,956.06	(74,956.06)
Decola Ponds B&C Improvement(BC-2,BC-3,BC-8)	0	0.00	40,828.40	85,337.56	(85,337.56)
Westwood Lake Water Quality Improvement Project(Feasibility)	0	436.50	33,343.00	35,853.20	(35,853.20)
2019 Project Totals	0	2,106.00	117,885.14	196,146.82	(196,146.82)
Total Proposed & Future CIP Projects to be Levied	0	2,106.00	117,885.14	196,146.82	(196,146.82)

BCWMC Construction Account

Fiscal Year: February 1, 2018 through January 31, 2019
July 2018 Financial Report

(UNAUDITED)

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
2018 Tax Levy	947,115.00		947,115.00	719,469.72	719,469.72	719,469.72	227,645.28	947,115.00
2017 Tax Levy	1,303,600.00	(10,691.48)	1,292,908.52	(2,124.76)	(2,124.76)	1,289,012.64	3,895.88	1,303,600.00
2016 Tax Levy	1,222,000.00	(9,526.79)	1,212,473.21	(1,622.13)	(1,622.13)	1,209,593.43	2,879.78	1,222,000.00
2015 Tax Levy	1,000,000.00	32.19	1,000,032.19	258.90	258.90	999,190.60	841.59	1,000,000.00
2014 Tax Levy	895,000.00	(8,533.75)	886,466.25	133.88	133.88	885,770.40	695.85	895,000.00
2013 Tax Levy	986,000.00	(10,510.52)	975,489.48	412.43	412.43	975,368.77	120.71	986,000.00
				<u>716,528.04</u>			<u>8,433.81</u>	

OTHER PROJECTS:

	Approved Budget	Current Expenses / (Revenue)	2018 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	690,573.00	3,260.00	4,542.00	325,284.41	
Less: State of MN - DNR Grants			0.00	(93,000.00)	
	690,573.00	3,260.00	4,542.00	232,284.41	458,288.59
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	375,000.00	0.00	73,461.65	255,619.60	119,380.40
Metro Blooms Harrison Neighborhood CWF Grant Project					
BWSR Grant	134,595.00	0.00	0.00	8,396.89	126,198.11
	134,595.00	0.00	0.00	(67,298.00)	(67,298.00)
	134,595.00	0.00	0.00	(58,901.11)	
Total Other Projects	1,835,168.00	3,260.00	78,003.65	469,470.05	1,163,803.95

Cash Balance 6/13/18		1,064,563.90
Add:		
Transfer from GF		0.00
Less:		
Current (Expenses)/Revenue		(3,260.00)
Ending Cash Balance	07/11/18	<u>1,061,303.90</u>
Additional Capital Needed		<u>(102,500)</u>

CIP Projects Levied

	Total	2013	2013	2014	2014	2014	2015	2016	2016	2017	2017	2018
	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)	Bassett Cr Pk & Winnetka Ponds Dredging (BCP-2)
Original Budget	8,275,115	196,000	990,000	612,000	250,000	163,000	1,503,000	810,930	822,140	1,064,472	863,573	1,000,000
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	2,835,773.05		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	31,319.05
Feb 2017-Jan 2018	266,299.84		21,055.50	46,397.95			57,299.09		6,869.40	11,814.60	93,113.10	29,750.20
Feb 2018-Jan 2019	1,218,164.36			7,857.87				785,623.00	2,000.00		422,683.49	
Total Expenditures:	4,903,719.91	11,589.50	162,907.34	357,519.27	250,000.00	91,037.82	1,003,746.24	810,930.00	1,447,143.38	126,376.39	581,400.72	61,069.25
Project Balance	3,982,995.09	184,410.50	827,092.66	254,480.73		71,962.18	499,253.76		(13,403.38)	938,095.61	282,172.28	938,930.75

	Total	2013	2013	2014	2014	2014	2015	2016	2016	2017	2017	2018
	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)	Bassett Cr Pk & Winnetka Ponds Dredging (BCP-2)
Project Totals By Vendor												
Barr Engineering	527,654.80	6,338.95	64,076.04	129,507.32	13,089.74	15,712.00	15,825.00	13,157.98	17,966.00	111,939.39	78,973.13	61,069.25
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	570,027.74		75,759.35								494,268.39	
City of New Hope	1,413,267.55								1,413,267.55			
City of Crystal												
MPCA	2,500.00									2,500.00		
Blue Water Science	3,900.00					3,900.00						
Misc												
2.5% Admin Transfer	115,205.00	4,050.00	20,600.00	13,350.00	5,470.00	3,555.00	25,000.00	11,353.02	12,208.38	11,618.60	8,000.00	
Transfer to General Fund												
Total Expenditures	4,116,096.91	11,589.50	162,907.34	357,519.27	250,000.00	91,037.82	1,003,746.24	25,307.00	1,445,143.38	126,376.39	581,400.72	61,069.25

	Total	2013	2013	2014	2014	2014	2015	2016	2016	2017	2017	2018
	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)	Bassett Cr Pk & Winnetka Ponds Dredging (BCP-2)
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	282,643	664,472	
Construction Fund Balance	703,000	34,000	166,000				503,000		470,000			
BWSR Grant- BCWMO	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		200,000	
MPCA Grant-CWP (Total \$300,000)									75,000.00			
									19,932.80			

Bassett Creek Construction Project Details

Proposed & Future CIP Projects (to be Levied)				Other Projects					Totals - All Projects	
Total Proposed & Future CIP Projects (to be Levied)	2019 Bryn Mawr Meadows (BC-5)	2019 DeCola Ponds B&C Improve (BC-2,BC-3,BC-8)	2019 Westwood Lake Water Quality - Feasibility	Total Other Projects	TMDL Studies	Flood Control Emergency Maint	Flood Control Long-Term Maint	Channel Maint		
Original Budget										
Added to Budget										
Expenditures:				DNR Grant From GF						
Feb 2004 - Jan 2014	5,282.80	5,282.80								
Feb 2015-Jan 2016										
Feb 2016-Jan 2017										
Feb 2017-Jan 2018	72,978.88	25,959.52	44,509.16							
Feb 2018-Jan 2019	117,885.14	43,713.74	40,828.40	2,510.20						
Total Expenditures:	196,146.82	74,956.06	85,337.56	35,853.20	688,669.16	107,765.15	325,284.41	255,619.60	5,788,535.89	
Project Balance	(196,146.82)	(74,956.06)	(85,337.56)	(35,853.20)	1,104,903.84	27,234.85	500,000.00	458,288.59	119,380.40	4,891,752.11
Project Totals By Vendor										
Barr Engineering	196,146.82	74,956.06	85,337.56	35,853.20	392,481.50	104,888.70		287,592.80		1,116,283.12
Kennedy & Graven					2,648.25	1,164.30		1,099.35	384.60	14,609.95
City of Golden Valley					55,287.50				55,287.50	1,526,867.62
City of Minneapolis					38,823.35				38,823.35	38,823.35
City of Plymouth					100,209.15				100,209.15	670,236.89
City of New Hope									29,240.00	1,413,267.55
City of Crystal										
MPCA										2,500.00
Blue Water Science										3,900.00
Misc					5,704.41	1,712.15		3,992.26		5,704.41
2.5% Admin Transfer										115,205.00
Transfer to General Fun					32,600.00			32,600.00		32,600.00
Total Expenditures	196,146.82	74,956.06	85,337.56	35,853.20	656,994.16	107,765.15		325,284.41	223,944.60	4,939,997.89
Levy/Grant Details										
2010 -2014 Levies										1,881,000
2014/2015 Levy					42,200.00	30,000		175,000	175,000	1,042,200
2015-2016 Levy								17,200	25,000	
2016-2017 Levy										
2017-2018 Levy										
Construction Fund Balance										703,000
BWSR Grant- BCWMO										470,000
DNR Grants-LT Maint					93,000.00			93,000		
Total Levy/Grants					515,200.00	30,000		285,200	200,000	4,096,200



Adding Quality to Life

Item 4D.
BCWMC 7-19-18
Full Document
online

July 9, 2018

Laura Jester, Administrator
Bassett Creek Watershed Management Commission
16145 Hillcrest Lane
Eden Prairie MN 55346

SUBJECT: Plymouth Creek Stream Restoration Project
City Project No. 16007

Dear Ms. Jester,

Enclosed/attached you will find payment documentation totaling \$130,749.83 for construction of the Plymouth Creek Stream Restoration Project in Plymouth. Per the Cooperative Agreement for the Plymouth Creek Stream Restoration Project between the City of Plymouth and the Bassett Creek Watershed Management Commission, the City is requesting reimbursement of \$130,749.83 for this project at this time.

Budget Impact

The overall budget of \$863,573.00 was included with Bassett Creek levy requests in 2016/2017 and 2017/2018. With this request, total expenditures including feasibility, legal, administration, design, and construction total \$581,400.72.

The City is grateful for the partnership with the Bassett Creek Watershed Management Commission on water quality improvements and protections.

Sincerely,

A handwritten signature in blue ink that reads 'Derek Asche'.

Derek Asche
Water Resources Manager

enc



Table 1. Design, Construction, and Monitoring Costs through July 9, 2018.

Design Costs

<u>Date</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
3/3/2017	Wenck Associates	Professional Design Services	\$6,309.60
4/4/2017	Wenck Associates	Professional Design Services	\$21,560.50
5/3/2017	Wenck Associates	Professional Design Services	\$14,397.90
6/7/2017	Wenck Associates	Professional Design Services	\$7,618.05
7/10/2017	Wenck Associates	Professional Design Services	\$7,880.40
8/3/2017	Wenck Associates	Professional Design Services	\$6,634.50
9/6/2017	Wenck Associates	Professional Design Services	\$2,890.85
9/21/2017	ECM Publishers	Advertisement for Bids	\$540.50
10/3/2017	Wenck Associates	Professional Design Services	\$2,290.70
12/6/2017	Wenck Associates	Professional Design Services	\$1,461.90
Total Design Costs:			\$71,584.90

Paid Jan 2018



Construction Costs

<u>Date</u>	<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
1/3/2018	Wenck Associates	Construction Services	\$8,673.60
1/3/2018	Standard Contracting	Construction	\$66,016.00
2/5/2018	Wenck Associates	Construction Services	\$2,798.28
2/5/2018	Standard Contracting	Construction	\$4,150.45
3/6/2018	Wenck Associates	Construction Services	\$3,470.72
3/7/2018	Standard Contracting	Construction	\$51,666.55
4/3/2018	Standard Contracting	Construction	\$62,957.45
4/6/2018	Wenck Associates	Construction Services	\$8,363.60
5/7/2018	Standard Contracting	Construction	\$78,850.61
5/7/2018	Wenck Associates	Construction Services	\$4,986.40
6/5/2018	Wenck Associates	Construction Services	\$5,290.04 *Req Reimb
6/14/2018	Standard Contracting	Construction	\$118,431.33 *Req Reimb
7/5/2018	Wenck Associates	Construction Services	\$7,028.46 *Req Reimb
Total Construction Costs:			\$422,683.49

Paid June 2018



Grand Total: \$494,268.39

Invoice

June 5, 2018
 Invoice No: 11803298



Mr. Derek Asche
 City of Plymouth
 3400 Plymouth Blvd.
 Plymouth, MN 55447

Responsive partner.
 Exceptional outcomes.

Project Manager Lucius Jonett

Project B1756-0010 Plymouth Creek Streambank Restoration Project
 City Project No. 16007

Professional Services Through May 31, 2018

Phase LSGP Plymouth Creek Streambank Restoration Pr
 Plymouth Creek Streambank Restoration Project

Fee

Billing Phase	Phase Fee	Percent Complete	Fee Earned	Prior Billing	Current Fee
1.1 Topographic/Field/Boundary Survey	21,032.00	100.00	21,032.00	21,032.00	0.00
1.2 Wetland Delineation Coordination	2,002.00	100.00	2,002.00	2,002.00	0.00
1.3 Plans	23,876.00	100.00	23,876.00	23,876.00	0.00
1.4 Specs and Contract Documents	10,430.00	100.00	10,430.00	10,430.00	0.00
1.5 Bidding Administration	2,955.00	100.00	2,955.00	2,955.00	0.00
2.1 Construction Staking - Field Survey	4,952.00	100.00	4,952.00	4,704.40	247.60
2.2 Coordination and Scheduling	3,032.00	100.00	3,032.00	2,880.40	151.60
3.1 Construction Inspection	21,680.00	100.00	21,680.00	17,994.40	3,685.60
3.2 Construction Administration	4,084.00	100.00	4,084.00	3,879.80	204.20
3.3 Final Review	2,328.00	43.00	1,001.04	0.00	1,001.04
4.1 As-Built Obtain Record Information	3,894.00	0.00	0.00	0.00	0.00
4.2 Prepare Record Drawings	3,186.00	0.00	0.00	0.00	0.00
5.1 Obtain Permits	7,399.00	100.00	7,399.00	7,399.00	0.00
5.2 Environmental Review (If Needed)	0.00	0.00	0.00	0.00	0.00
5.3 Miscellaneous	2,184.00	100.00	2,184.00	2,184.00	0.00
Total Fee	113,034.00		104,627.04	99,337.00	5,290.04

Total! Fee 5,290.04

Phase Total \$5,290.04

Total Invoice Amount \$5,290.04

Billing Summary	Current	Prior	Total
	5,290.04	99,337.00	104,627.04

*OK TO PAY
 PO# 2017-921
 Check
 5/24/18*

PAYMENT REQUEST FORM

OWNER: City of Plymouth
PROJECT: Plymouth Creek Streambank Restoration Project
City Project No. 16007
CONTRACTOR: Standard Contracting, Inc.

PAY ESTIMATE NO. 6

Original Contract Amount	\$ 399,053.65.....
Contract Changes approved to Date (List Change Order Numbers)	\$ 20,475.00 (FAI)
Revised Contract Price	\$ 419,528.65.....
Work Completed to Date (attached)	\$ 388,172.30.....
Retainage to Date, 2.5%	\$ 9,704.31.....
Work Completed to Date Less Retainage to Date	\$ 378,467.99.....
Total Amount Previously Certified	\$ 260,036.56.....
Payment Request This Estimate	\$ 118,431.43.....

\$ 118,431.43.....

OK TO PAY
PO# 2018-407
Paid due
\$2917

I declare under penalty of perjury that this account, claim, or demand is just and correct and that no part of it has been paid.

Rebecca Seidenkranz
REBECCA SEIDENKRANZ

STANDARD CONTRACTING, INC.
CONTRACTOR

CERTIFICATE OF CONTRACTOR

I hereby certify that the work and the materials supplied to date, as shown on the request for payment, represents the actual value of accomplishment under the terms of the contract dated

NOVEMBER 15, 2017 between the City of Plymouth (OWNER)

and Standard Contracting, Inc. (CONTRACTOR) and all authorized changes thereto.

STANDARD CONTRACTING, INC.

By Rebecca Seidenkranz

Title PRESIDENT

Approval:

(CONTRACTOR) Rebecca Seidenkranz Date 6-18-18
REBECCA SEIDENKRANZ

WENCK ASSOCIATES, INC. Lucius Jonett Date 6-14-2018
Lucius Jonett, P.L.A.

CITY OF PLYMOUTH [Signature] Date 6/19/18

END OF SECTION



P.O. Box 250 • Hampton, MN 55031
651-463-2510 • becky@stanconinc.com

Invoice

INVOICE NO. 1805-06REV6

DATE: June 13, 2018

TO: City of Plymouth
3400 Plymouth Road
Plymouth, MN 55447

Job No.: Estimate No.: 6
Project Name: Plymouth Creek Streambank Restoration Estimated to: 6/13/2018
Location: Plymouth, MN Contract Amt:
Subcontract No C.P. 16007

ITEM	DESCRIPTION	UM	PLAN QTY	UNIT PRICE	PREVIOUS QTY INVOICED	QTY TO DATE	QTY COMPLETED THIS PERIOD	WORK PERFORMED THIS PAY APP	TOTAL WORK PERFORMED	PERCENT COMPLETED
REACH 1 & 2										
1	FALL/WINTER MOBILIZATION & DEMOBILIZATION	LS	1.00	\$8,500.00	0.90	1.00	0.10	\$850.00	\$8,500.00	100.00%
2	TREE CLEARING AND HARVESTING	LS	1.00	\$22,000.00	1.00	1.00	0.00	\$0.00	\$22,000.00	100.00%
3	CHIP ONSITE AND SPREAD WOODCHIPS ON EXISTING TRAILS & COURSE GREENS	LS	1.00	\$6,600.00	0.50	1.00	0.50	\$3,300.00	\$6,600.00	100.00%
4	CONSTRUCT, MAINTAIN AND RESTORE SITE ACCESS & STAGING AREA	LS	1.00	\$3,430.60	0.50	1.00	0.50	\$1,715.30	\$3,430.60	100.00%
5	WOVEN ECB, ROLANKA BIOD-MAT 40	SY	1255.00	\$3.13	567.00	1060.00	493.00	\$1,543.09	\$3,317.80	84.46%
6	NON-WOVEN ECB CAT 3 TYPE STRAW CAT 2S (NO POLY NETTING)	SY	2025.00	\$1.49	720.00	3467.00	2747.00	\$4,093.03	\$5,165.83	171.21%
7	FOOTER LOG & LOG VANES	EACH	21.00	\$138.32	15.00	46.80	31.80	\$4,398.58	\$6,473.38	222.86%
8	ROOT WAD	EACH	17.00	\$138.32	18.00	19.00	1.00	\$138.32	\$2,628.08	111.76%
9	SEATING LOG	EACH	4.00	\$138.32	2.00	4.00	2.00	\$276.64	\$553.28	100.00%
10	SILT FENCE, TYPE MS - MAINTAINED	LF	200.00	\$4.67	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
11	FLOTATING SILT CURTAIN TYPE MOVING WATER - MAINTAINED	LF	25.00	\$22.00	25.00	25.00	0.00	\$0.00	\$550.00	100.00%
12	SEDIMENT CONTROL LOG TYPE STRAW (OR BIOROLL) - MAINTAINED	LF	3000.00	\$1.89	1840.00	1840.00	0.00	\$0.00	\$3,477.60	61.33%
13	INLET PROTECTION - MAINTAINED	EACH	2.00	\$141.43	2.00	2.00	0.00	\$0.00	\$282.86	100.00%
14	TEMPORARY CONSTRUCTION ENTRANCE	EACH	2.00	\$1,621.37	2.00	2.00	0.00	\$0.00	\$3,242.74	100.00%
15	STREET SWEEPER (WITH PICKUP BROOM)	HR	10.00	\$126.83	7.00	10.00	3.00	\$380.49	\$1,268.30	100.00%
16	TEMPORARY SEDIMENTATION BASIN - MAINTAINED	LS	1.00	\$815.02	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
17	CLASS II RIPRAP, NO LIMESTONE Labor & Equipment	TON	436.00	\$27.11	360.50	435.50	73.50	\$1,992.59	\$11,806.41	99.89%
	Class II Riprap Material	TON	436.00	\$39.73	360.50	435.50	73.50	\$2,920.16	\$17,302.42	99.89%
18	24" TO 36" FIELDSTONE BOULDERS (CROSS VANES, ROOTWADS, COURSE GREENS)	TON	130.00	\$108.38	130.30	152.75	22.45	\$2,433.13	\$16,555.05	117.50%
19	MN DOT TYPE V, NON-WOVEN GEOTEXTILE FABRIC	SY	1100.00	\$1.16	394.00	952.00	558.00	\$647.28	\$1,104.32	86.55%
20	BRUSH MATTRESS	SY	30.00	\$39.76	0.00	30.00	30.00	\$1,192.80	\$1,192.80	100.00%
21	CU STRUCTURAL SOILS	TON	70.00	\$94.02	0.00	70.10	70.10	\$6,590.80	\$6,590.80	100.14%
22	COMMON EXCAVATION - ON-SITE (EV)	CY	200.00	\$25.49	100.00	200.00	100.00	\$2,549.00	\$5,098.00	100.00%

ITEM	DESCRIPTION	UM	PLAN QTY	UNIT PRICE	PREVIOUS QTY INVOICED	QTY TO DATE	QTY COMPLETED THIS PERIOD	WORK PERFORMED THIS PAY APP	TOTAL WORK PERFORMED	PERCENT COMPLETED
23	SUBGRADE PREPARATION	SY	100.00	\$4.18	100.00	100.00	0.00	\$0.00	\$418.00	100.00%
24	GRANITE CHARCOAL STEPPER- -Labor & Equipment	EACH	8.00	\$408.76	0.00	8.00	8.00	\$3,270.08	\$3,270.08	100.00%
	Granite Charcoal Stepper Material	EACH	8.00	\$296.44	8.00	8.00	0.00	\$0.00	\$2,371.52	100.00%
25	TRAP ROCK STEP-Labor & Equipment	EACH	68.00	\$140.13	0.00	68.00	68.00	\$9,528.84	\$9,528.84	100.00%
	Trap Rock Step Material	EACH	68.00	\$333.32	68.00	68.00	0.00	\$0.00	\$22,665.76	100.00%
26	AGGREGATE BASE CL 5	TON	50.00	\$30.71	0.00	32.43	32.43	\$995.93	\$995.93	64.86%
27	AGGREGATE BASE CL 2	TON	45.00	\$36.59	32.55	32.55	0.00	\$0.00	\$1,191.00	72.33%
28	GRASS PAVER	SY	100.00	\$56.60	50.00	100.00	50.00	\$2,830.00	\$5,660.00	100.00%
29	TIMBER EDGE PATH	LF	335.00	\$10.61	175.00	558.00	383.00	\$4,063.63	\$5,920.38	166.57%
30	WOODCHIP OR GRAVEL, IF NOT REUSING FROM TREE REMOVAL	CY	110.00	\$2.37	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
31	BOARDWALK	LF	155.00	\$178.15	102.00	116.00	14.00	\$2,494.10	\$20,665.40	74.84%
32	4" DRAIN TILE PIPE	LF	155.00	\$5.81	155.00	155.00	0.00	\$0.00	\$900.55	100.00%
33	SEEDING - DORMANT	ACRE	0.25	\$2,186.86	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
34	NATIVE SEED MIX	LB	5.00	\$59.13	5.00	5.00	0.00	\$0.00	\$295.65	100.00%
35	FESCUE SEED MIX	LB	200.00	\$2.37	80.00	193.00	113.00	\$267.81	\$457.41	96.50%
36	SPRING MOBILIZATION & DEMOBILIZATION	LS	1.00	\$8,500.00	0.00	1.00	1.00	\$8,500.00	\$8,500.00	100.00%
37	TREE PLANTING	EACH	2.00	\$509.08	0.00	2.00	2.00	\$1,018.16	\$1,018.16	100.00%
38	SHRUB PLANTING (#5 POT)	EACH	560.00	\$47.50	0.00	560.00	560.00	\$26,600.00	\$26,600.00	100.00%
39	SHRUB PLANTING (#10 POT)	EACH	60.00	\$95.00	0.00	60.00	60.00	\$5,700.00	\$5,700.00	100.00%
40	PERENNIAL PLANTING ENHANCEMENT OF SEEDED AREAS	EACH	432.00	\$7.75	0.00	432.00	432.00	\$3,348.00	\$3,348.00	100.00%
41	BARE ROOT SHRUBS	EACH	240.00	\$22.00	0.00	240.00	240.00	\$5,280.00	\$5,280.00	100.00%
42	LIVE STAKES	EACH	50.00	\$17.36	0.00	50.00	50.00	\$868.00	\$868.00	100.00%
43	SEEDING	ACRE	0.38	\$2,877.44	0.00	0.38	0.38	\$1,093.43	\$1,093.43	100.00%
44	NATIVE SEED MIX	LB	8.00	\$59.13	4.00	8.50	4.50	\$266.09	\$502.61	106.25%
45	FESCUE SEED MIX	LB	50.00	\$2.38	5.00	60.00	55.00	\$130.90	\$142.80	120.00%
46	HYDRAULIC MATRIX, TYPE MULCH	LB	760.00	\$1.04	760.00	1260.00	500.00	\$520.00	\$1,310.40	165.79%
47	VEGETATION ESTABLISHMENT AND MAINTENANCE	LS	1.00	\$7,000.00	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
	Reach 3 & 4									
49	FALL/WINTER MOBILIZATION & DEMOBILIZATION	LS	1.00	\$9,767.00	0.90	1.00	0.10	\$976.70	\$9,767.00	100.00%
50	TREE CLEARING AND HARVESTING	LS	1.00	\$15,000.00	1.00	1.00	0.00	\$0.00	\$15,000.00	100.00%
51	HAUL AND DISPOSE OFFSITE ALL UNCHIPPED WOOD	LS	1.00	\$2,500.00	1.00	1.00	0.00	\$0.00	\$2,500.00	100.00%
52	REMOVE AND DISPOSE OF 12" RCP FLARED END SECTION	EACH	1.00	\$335.33	1.00	1.00	0.00	\$0.00	\$335.33	100.00%
53	REMOVE 12" RCP PIPE	LF	40.00	\$19.56	40.00	40.00	0.00	\$0.00	\$782.40	100.00%
54	FURNISH AND INSTALL 12" RCP FLARED END SECTION	EACH	1.00	\$2,362.51	1.00	1.00	0.00	\$0.00	\$2,362.51	100.00%
55	NEW TIE ROD INSTALLATION	LS	1.00	\$160.00	1.00	1.00	0.00	\$0.00	\$160.00	100.00%
56	CONSTRUCT, MAINTAIN AND RESTORE SITE ACCESS & STAGING AREA	LS	1.00	\$2,824.92	1.00	1.00	0.00	\$0.00	\$2,824.92	100.00%
57	WOVEN ECB, ROLANKA BIOD-MAT 40	SY	2130.00	\$3.11	242.30	242.30	0.00	\$0.00	\$753.55	11.38%
58	NON-WOVEN ECB CAT 3 TYPE STRAW CAT 25 (NO POLY NETTING)	SY	2910.00	\$1.49	2987.11	2987.11	0.00	\$0.00	\$4,450.79	102.65%
59	FOOTER LOG & LOG VANES	EACH	33.00	\$138.32	24.00	24.00	0.00	\$0.00	\$3,319.68	72.73%
60	ROOT WAD	EACH	37.00	\$138.32	30.00	30.00	0.00	\$0.00	\$4,149.60	81.08%
61	SILT FENCE, TYPE MS - MAINTAINED	LF	200.00	\$4.54	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
62	FLOTATING SILT CURTAIN TYPE MOVING WATER - MAINTAINED	LF	25.00	\$24.31	25.00	25.00	0.00	\$0.00	\$607.75	100.00%
63	SEDIMENT CONTROL LOG TYPE STRAW (OR BIOROLL) - MAINTAINED	LF	1000.00	\$1.89	1240.00	1240.00	0.00	\$0.00	\$2,343.60	124.00%

ITEM	DESCRIPTION	UM	PLAN QTY	UNIT PRICE	PREVIOUS QTY INVOICED	QTY TO DATE	QTY COMPLETED THIS PERIOD	WORK PERFORMED THIS PAY APP	TOTAL WORK PERFORMED	PERCENT COMPLETED
64	INLET PROTECTION - MAINTAINED	EACH	3.00	\$141.43	2.00	2.00	0.00	\$0.00	\$282.86	66.67%
65	TEMPORARY CONSTRUCTION ENTRANCE	EACH	2.00	\$1,621.37	2.00	2.00	0.00	\$0.00	\$3,242.74	100.00%
66	STREET SWEEPER (WITH PICKUP BROOM)	HR	10.00	\$126.83	9.00	9.00	0.00	\$0.00	\$1,141.47	90.00%
67	TEMPORARY SEDIMENTATION BASIN - MAINTAINED	LS	1.00	\$1,750.00	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
68	CLASS II RIPRAP, NO LIMESTONE (Labor & Equipment)	TON	334.00	\$27.11	334.00	334.00	0.00	\$0.00	\$9,054.74	100.00%
	Class II Riprap Material	TON	334.00	\$39.73	334.00	334.00	0.00	\$0.00	\$13,269.82	100.00%
69	CLASS III RIPRAP, NO LIMESTONE (Labor & Equipment)	TON	200.00	\$27.11	209.70	209.70	0.00	\$0.00	\$5,684.97	104.85%
	Class III Riprap Material	TON	200.00	\$39.73	209.70	209.70	0.00	\$0.00	\$8,331.38	104.85%
70	CLASS IV RIPRAP, NO LIMESTONE (DOWNSTREAM OF FERNBROOK)	TON	65.00	\$66.84	65.00	65.00	0.00	\$0.00	\$4,344.60	100.00%
71	24"-36" FIELDSTONE BOULDERS	TON	110.00	\$113.33	86.00	86.00	0.00	\$0.00	\$9,746.38	78.18%
72	MN DOT TYPE V, NON-WOVEN GEOTEXTILE FABRIC	SY	1020.00	\$1.16	714.44	714.44	0.00	\$0.00	\$828.75	70.04%
73	SEEDING - DORMANT	ACRE	0.44	\$2,186.86	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
74	NATIVE SEED MIX	LB	10.00	\$59.13	10.00	10.00	0.00	\$0.00	\$591.30	100.00%
75	FESCUE SEED MIX	LB	75.00	\$2.38	75.00	75.00	0.00	\$0.00	\$178.50	100.00%
76	SPRING MOBILIZATION & DEMOBILIZATION	LS	1.00	\$7,700.00	0.90	1.00	0.10	\$770.00	\$7,700.00	100.00%
77	SEEDING	ACRE	0.42	\$2,186.86	0.42	0.42	0.00	\$0.00	\$918.48	100.00%
78	NATIVE SEED MIX	LB	9.00	\$59.13	9.00	9.00	0.00	\$0.00	\$532.17	100.00%
79	FESCUE SEED MIX	LB	75.00	\$2.37	45.00	45.00	0.00	\$0.00	\$106.65	60.00%
80	HYDRAULIC MATRIX, TYPE MULCH	LB	840.00	\$1.04	580.00	580.00	0.00	\$0.00	\$603.20	69.05%
81	VEGETATION ESTABLISHMENT AND MAINTENANCE	LS	1.00	\$4,007.44	0.00	0.00	0.00	\$0.00	\$0.00	0.00%
	ADDITIONAL WORK									
	TEMPORARY ORANGE SAFETY FENCE	LF	3182.00	\$3.25	4802.00	5081.00	279.00	\$906.75	\$16,513.25	159.68%
					0.00	0.00	0.00	\$0.00	\$0.00	#DIV/0!

SUBTOTAL \$114,449.63
 5% Retainage (\$5,722.48)
 TOTAL \$108,727.13
 Reduce Retainage to 2.5% \$9,704.31
 PAY APP TOTAL \$ 118,431.44

SUBTOTAL \$114,449.63
 2.5% Retainage \$9,704.31
 DRK COMPLETED TO-DATE \$388,172.30
 TOTAL \$124,153.94

J. J. J. J.
 6-18-2018

16007

Invoice



July 5, 2018
Invoice No: 11804196

Mr. Derek Asche
City of Plymouth
3400 Plymouth Blvd.
Plymouth, MN 55447

Responsive partner.
Exceptional outcomes.

Project Manager Lucius Jonett

Project B1756-0010 Plymouth Creek Streambank Restoration Project
City Project No. 16007

Professional Services Through June 30, 2018

Phase LSGP Plymouth Creek Streambank Restoration Pr
Plymouth Creek Streambank Restoration Project

Fee

Billing Phase	Phase Fee	Percent Complete	Fee Earned	Prior Billing	Current Fee
1.1 Topographic/Field/Boundary Survey	21,032.00	100.00	21,032.00	21,032.00	0.00
1.2 Wetland Delineation Coordination	2,002.00	100.00	2,002.00	2,002.00	0.00
1.3 Plans	23,876.00	100.00	23,876.00	23,876.00	0.00
1.4 Specs and Contract Documents	10,430.00	100.00	10,430.00	10,430.00	0.00
1.5 Bidding Administration	2,955.00	100.00	2,955.00	2,955.00	0.00
2.1 Construction Staking - Field Survey	4,952.00	100.00	4,952.00	4,952.00	0.00
2.2 Coordination and Scheduling	3,032.00	100.00	3,032.00	3,032.00	0.00
3.1 Construction Inspection	21,680.00	100.00	21,680.00	21,680.00	0.00
3.2 Construction Administration	4,084.00	100.00	4,084.00	4,084.00	0.00
3.3 Final Review	2,328.00	75.00	1,746.00	1,001.04	744.96
4.1 As-Built Obtain Record Information	3,894.00	100.00	3,894.00	0.00	3,894.00
4.2 Prepare Record Drawings	3,186.00	75.00	2,389.50	0.00	2,389.50
5.1 Obtain Permits	7,399.00	100.00	7,399.00	7,399.00	0.00
5.2 Environmental Review (If Needed)	0.00	0.00	0.00	0.00	0.00
5.3 Miscellaneous	2,184.00	100.00	2,184.00	2,184.00	0.00
Total Fee	113,034.00		111,655.50	104,627.04	7,028.46

Total Fee 7,028.46

Phase Total \$7,028.46

Total Invoice Amount \$7,028.46

Billing Summary	Current	Prior	Total
	7,028.46	104,627.04	111,655.50

*OK TO PAY
2017-921
Derek Asche
#2917*

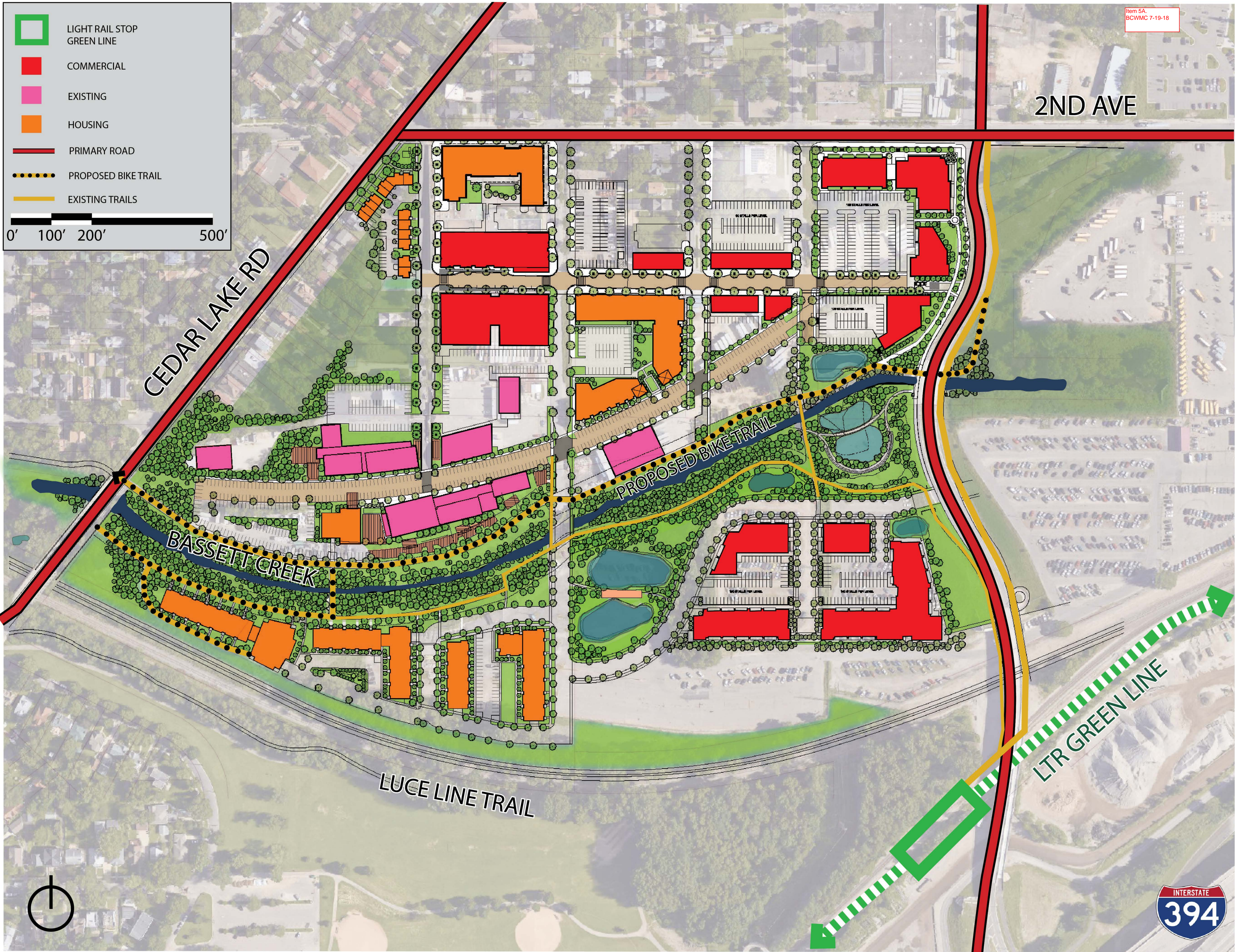
BASSETT CREEK

Minneapolis, MN

JUNE.28.2018

Current Alignment

Item 5A.
BCWMC 7-19-18



- LIGHT RAIL STOP GREEN LINE
- COMMERCIAL
- EXISTING
- HOUSING
- PRIMARY ROAD
- PROPOSED BIKE TRAIL
- EXISTING TRAILS

0' 100' 200' 500'

2ND AVE

CEDAR LAKE RD

BASSETT CREEK

PROPOSED BIKE TRAIL

LUCE LINE TRAIL

LTR GREEN LINE

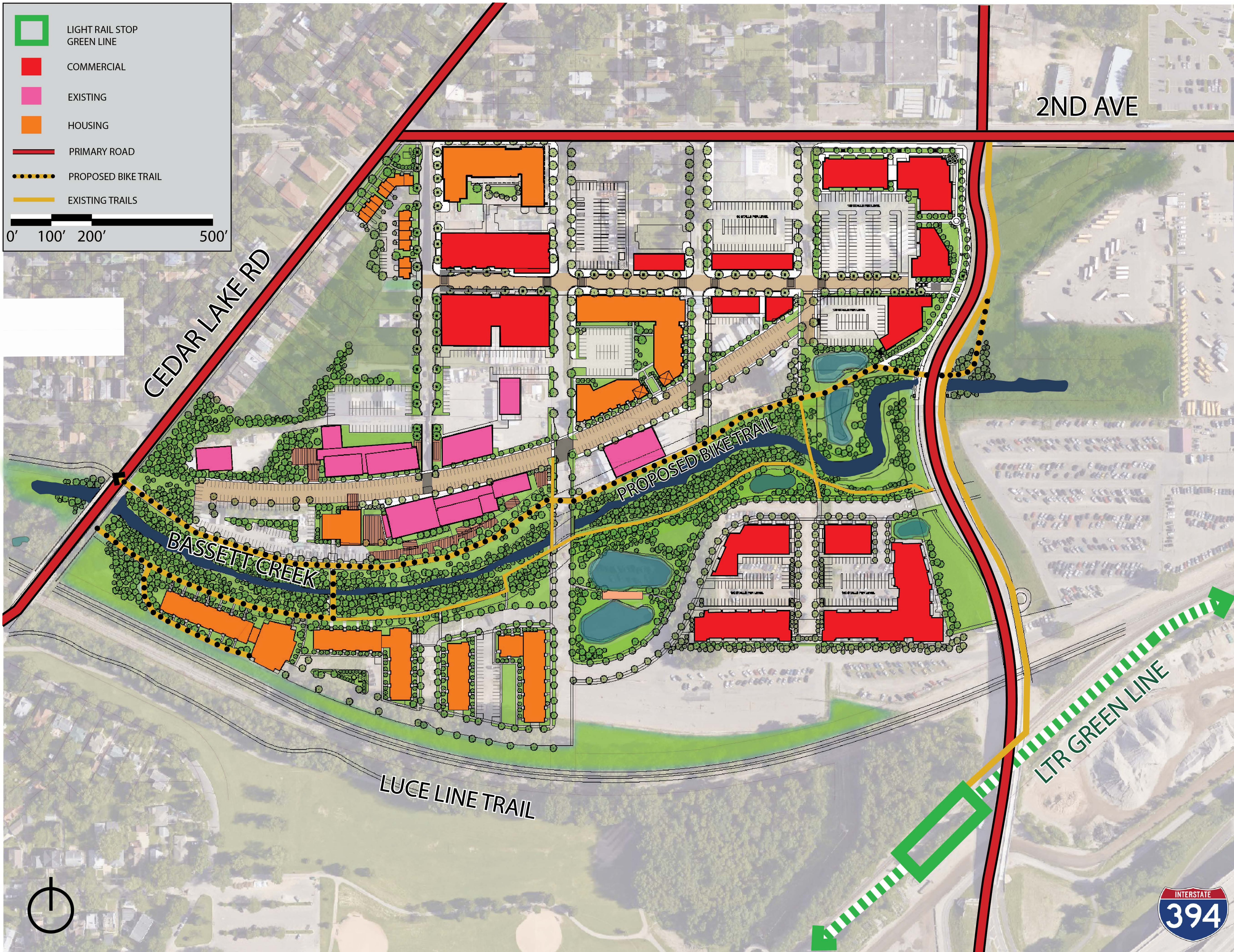


BASSETT CREEK

Minneapolis, MN

JULY.10.2018

Meandered Alignment



- LIGHT RAIL STOP GREEN LINE
- COMMERCIAL
- EXISTING
- HOUSING
- PRIMARY ROAD
- PROPOSED BIKE TRAIL
- EXISTING TRAILS

0' 100' 200' 500'

2ND AVE

CEDAR LAKE RD

BASSETT CREEK

PROPOSED BIKE TRAIL

LUCE LINE TRAIL

LTR GREEN LINE



July 11, 2018

Laura Jester, Administrator
Bassett Creek Watershed Management Commission
16145 Hillcrest Lane
Eden Prairie, MN 55436

RE: 50% Design plans – Westwood Hills Nature Center Water Quality Project

Dear Ms. Jester,

Please find attached the 50% design plans and the engineering letter presenting information about the feasibility study, the design features of the project, and the approval/permitting needs for the Westwood Hills Nature Center Water Quality project.

This project will be constructed by the city per the future cooperative agreement between the City of St. Louis Park and the BCWMC, with the plans and specifications being subject to the approval by the commission. I am requesting that this project be included with the commission packet for the July 2018 regular meeting. City staff and the project design engineer will be at the meeting to present the project and answer any questions.

If you have any questions or need any additional information, please contact me at 952.924.2554 or jwest@stlouispark.org.

Sincerely,



Jason T. West
Recreation Superintendent

Enclosure

July 11, 2018

Ms. Cindy Walsh
Operations & Recreation Director
City of St. Louis Park
3700 Monterey Drive
St. Louis Park, MN 55416

**Re: 50% Design Plans – Westwood Hills Nature Center Linear Stormwater Feature Project
City of St. Louis Park**

Dear Ms. Walsh:

Attached please find the 50% design plans for the Westwood Hills Nature Center (WHNC) Linear Stormwater Feature Project. The Bassett Creek Watershed Management Commission (BCWMC) is funding the WHNC Linear Stormwater Feature Project (BCWMC CIP project WST-2: Westwood Lake Water Quality Improvement Project) through a 2018 ad valorem levy (via Hennepin County). Per the future cooperative agreement between the City of St. Louis Park and the BCWMC, the city is to construct the project, with plans and specifications subject to approval by the Commission. Also, per the future cooperative agreement, the 50% design plans for this project must be submitted to the BCWMC for review and approval. If the attached 50% 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 July 19th meeting. Barr staff will present the 50% 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 completed the *Feasibility Report for Westwood Lake Water Quality Improvement Project (May 2018)* to evaluate options improving water quality at the WHNC project site. The BCWMC selected completing concept 3 which is a linear stormwater feature on the north side of the building. The selected project will provide water quality improvement by (1) providing additional stormwater runoff storage, and (2) reducing runoff volume, and sediments and nutrients in the water, through infiltration, evaporation, or evapotranspiration. The project will also include educational benefits through signage, pedestrian bridges, and interactive pumps. WHNC receives over 40,000 visitors per year, many of whom are part of a programmed group. The City expects the number of visitors to rise, with the new facility being nearly five times the size of the existing facility.

Design features – 50% plans

The primary design features of the proposed work, as shown on the attached 50% plans, include:

1. Pumps, storm sewer, and structures. The storm sewer and structures will store stormwater runoff from a majority of the building roof and the surrounding areas on the north side of the building. Solar- and hand-powered pumps will be used to pump the water from the underground storage to the upstream end of the constructed intermittent stream.

2. Intermittent stream and small lined pools. The runoff and pumped water will flow through a series of lined pools, stream sections, and trench drains; four sidewalks will cross over these features. At the upstream end, the water will flow from the pump outlets into a level structure, concentrating the flow into a narrow, steep section of channel just one to two feet wide. The water will cross the sidewalk through a trench drain with a removable cover to view the flowing water, then drop from the trench drain into the upper pool. The upper pool will be 12" in depth and lined with a grade control structure at the downstream end. Water will flow over the grade control structure, into a six foot wide stream lined with various boulders and river rock, then through a second trench drain (with removable grate) crossing a sidewalk. Water will drop from the trench drain into the lower pool. The lower pool will have two outlets. Water can flow over the downstream grade control structure, or into the bog (see number 3 below). The stream channel downstream of the lower pool is identical to the stream channel upstream of the lower pool. There is a third sidewalk crossing at the downstream end of the channel. This crossing will be a trench drain which meets ADA requirements as the sidewalk is within the ADA accessible sidewalk route. The water will flow through the drain, drop onto some rocks, then infiltrate through a sand filter, into a draitile, and be returned to the underground storage.
3. Bog. A bog will be created near the building, adjacent to the lower pool. The bog is a modification from the feasibility study, but it furthers the BCWMC goals of increasing water quality treatment and providing educational opportunities, as well as unique habitat. There will be two sources of water for the bog: 1) a trench drain leading from the lower pool to the bog, and 2) a solar pump that will pump water from the underground storage to the bog, when needed.
4. Access points. The stream will have several access points for people to explore. Access will be achieved through stone steps leading to the bottom of the stream.
5. Signage. Educational signage will be installed near the pumps, with the exact content to be determined.
6. System overflow. When the underground storage and above ground sand filter area are full, water will overflow into a biofiltration basin to the west. If the biofiltration basin is full, water will overtop the trail to the west and flow into Turtle Pond or down to Westwood Lake. The building floor elevation is 896.0. The overflow into the biofiltration basin is 892.7, and the overflow over the trail is 893.4.

Opinion of cost

The table below summarizes our opinion of costs, based on the 50% design plans:

Table 1 Opinion of Cost Summary

Item Description	Cost
Project costs eligible for BCWMC reimbursement:	
Mobilization and Erosion Control	\$14,500
Earthwork	\$19,000
Sand filter, Upper and Lower Pools	\$ 6,700
Sidewalk Crossings with Drop Structures	\$14,000
Storm Sewer (underground storage and draintile)	\$15,800
Storm Structures	\$12,500
Channel Rock and Access Points	\$39,400
Bog Soil, Plants, Liner, and Railing	\$31,300
Trees, Shrubs, Herbaceous Plants, and VRSS	\$27,800
Pumps, Solar Panels, Structure, Concrete Pad	\$31,500
Signage	\$ 6,000
Total estimated construction costs	\$218,500
Contingency (+20%)	\$43,700
Engineering, Design, Construction Observation costs	\$ 81,000
Total construction and engineering costs	\$343,200ⁱ

ⁱ This opinion of cost (Class 2, 50% design completion per ASTM E 2516-06) is based on partially complete designs, alignments, quantities and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +20%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included.

Per the future cooperative agreement between the city and the BCWMC, the BCWMC's total reimbursement for this project may not exceed \$404,500, less Commission expenses. Commission expenses are expected to be around \$53,500, leaving \$351,000 for engineering design and construction expenses. The total estimated construction and engineering costs are within the reimbursable costs allowed for this project.

Approvals/permit requirements

In addition to BCWMC approval of the plans, other permits/approvals will be required for this project.

The project will not include any work below the Westwood Lake ordinary high water level (OHWL), so a MDNR Public Waters Work Permit is not required.

A USACE joint permit is not required.

A Minnesota Pollution Control Agency (MPCA) Construction Stormwater General Permit is required as part of the larger project and will be obtained by the general contractor after the city awards the project. In addition, a stormwater pollution prevention plan (SWPPP) will be included in the construction drawings.

Recommendations

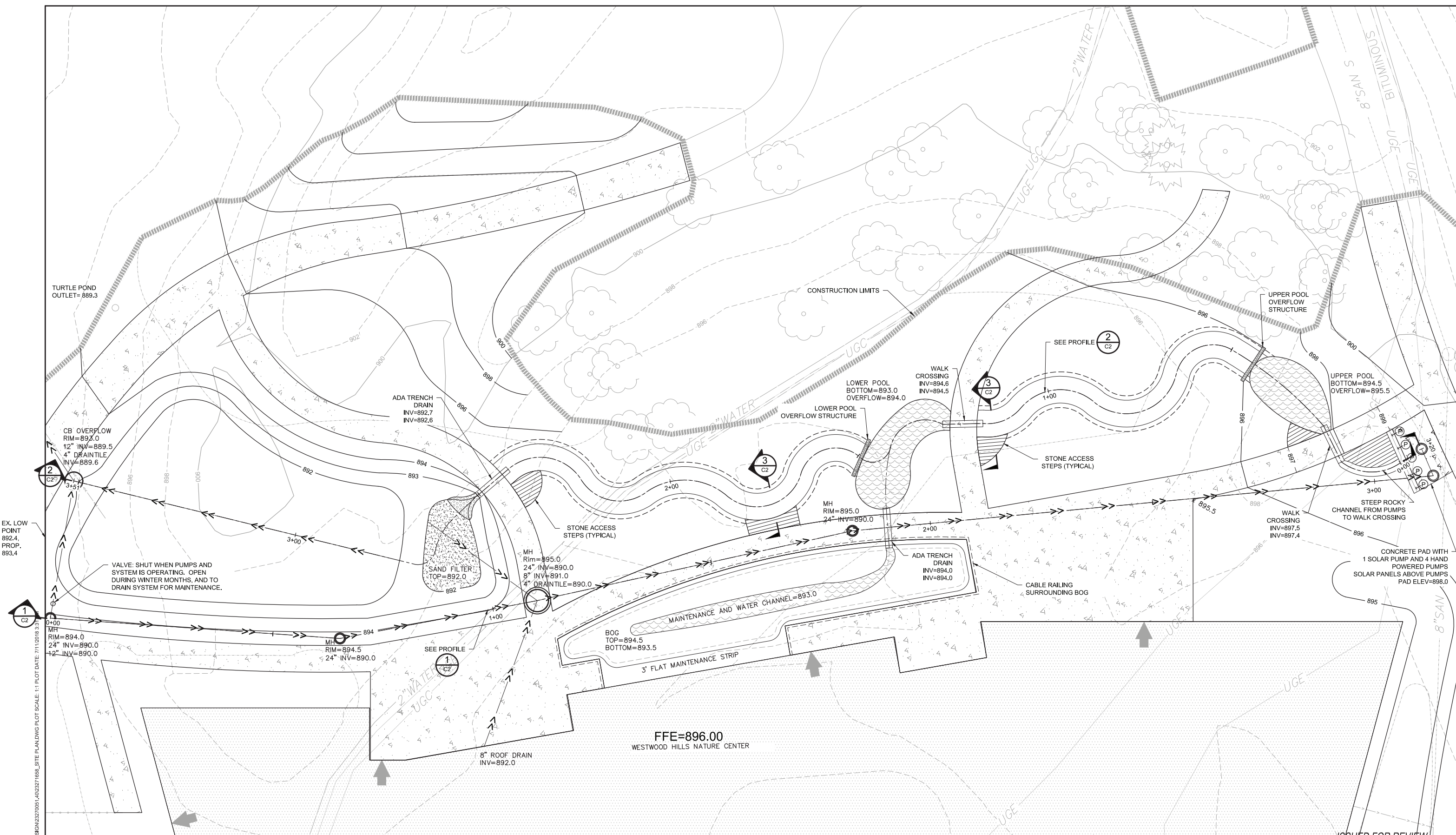
We recommend that the city request 1) BCWMC approval of the 50% drawings, and 2) BCWMC authorization for the city to proceed with 90% plans and contract documents.

If you have any questions, please contact me at 952-832-2724 or mkimble@barr.com.

Sincerely,

Michelle Kimble, P.E.
Sr. Civil Engineer





EX. LOW POINT
892.4, PROP.
893.4

1
C2

2
C2

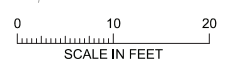
3
C2

3
C2

2
C2

3
C2

1 PLAN: LINEAR STORMWATER FEATURE
AS SHOWN



ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
A	JPP	MAK	KAL	7/11/18	FOR CLIENT AND BCWMC 50% REVIEW

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: _____
SIGNATURE: _____
DATE: _____ LICENSE #: _____

CLIENT	7/11						
END							
CONSTRUCTION							
RELEASED TO/FOR	A	B	C	0	1	2	3
DATE RELEASED							

BARR
Corporate Headquarters:
Minneapolis, Minnesota
Ph: 1-800-632-2277
Fax: (952) 832-2801
www.barr.com

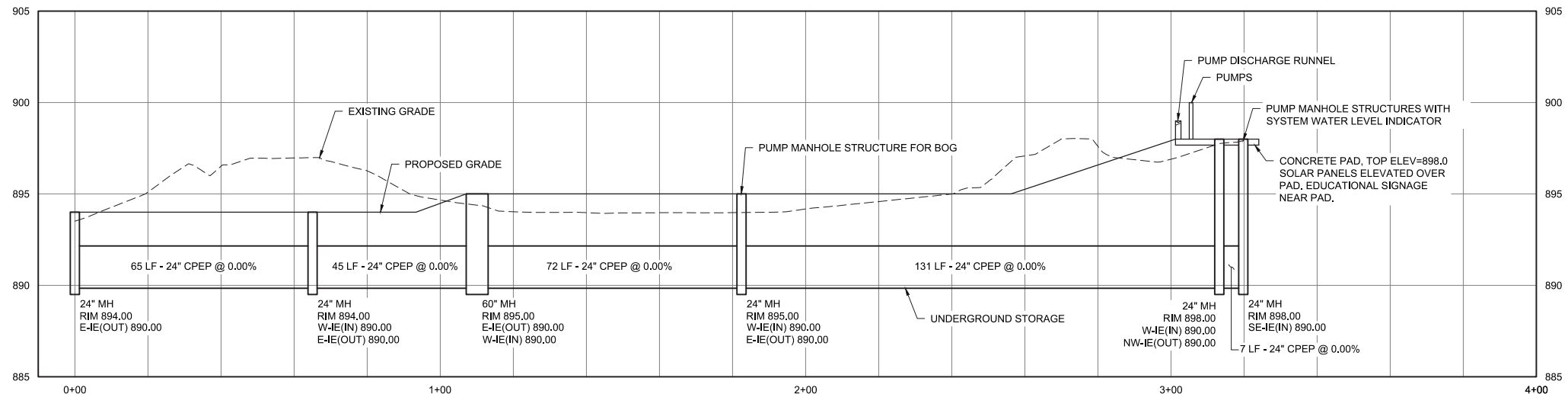
Project Office:
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55433
Ph: 1-800-632-2277
Fax: (952) 832-2801
www.barr.com

Scale	AS SHOWN
Date	7/11/2018
Drawn	JPP
Checked	MAK
Designed	MAK
Approved	KAL

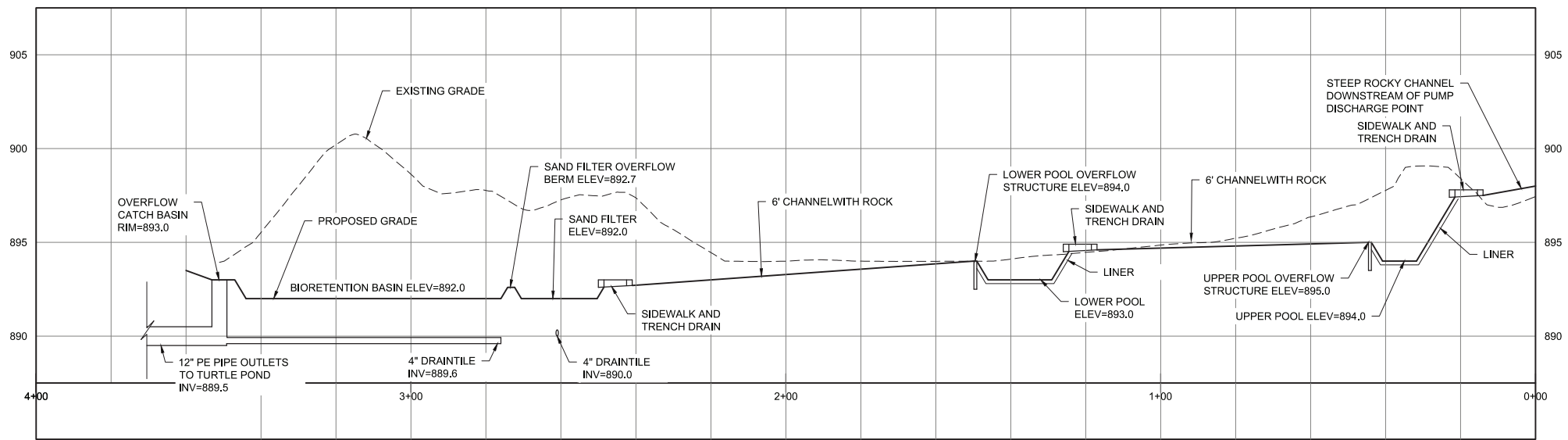
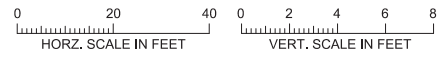
CITY OF ST. LOUIS PARK

WESTWOOD HILLS NATURE CENTER
LINEAR STORMWATER FEATURE
PLAN
LINEAR STORMWATER FEATURE

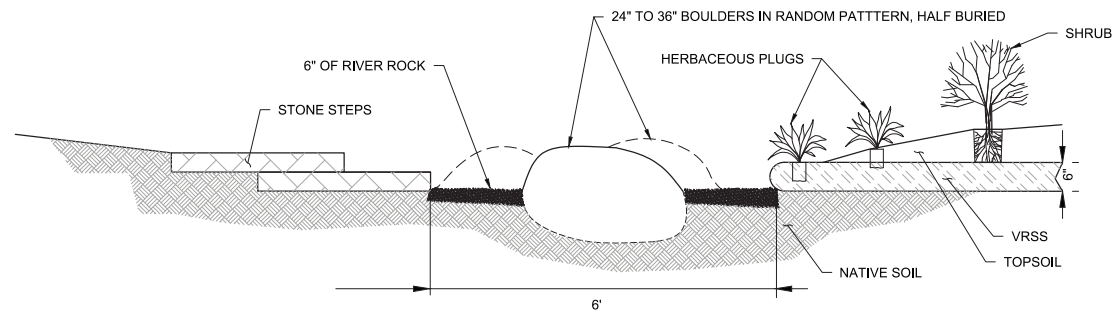
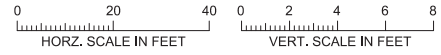
BARR PROJECT No. 23/27-0051.40	
CLIENT PROJECT No.	
DWG. No. C1	REV. No. A



1 PROFILE: STORM SEWER STORAGE
AS SHOWN



2 PROFILE: STREAM CENTERLINE
AS SHOWN



3 SECTION: CHANNEL
AS SHOWN

ISSUED FOR REVIEW
NOT FOR CONSTRUCTION

CADD USER: Michelle Kimble FILE: M:\DESIGN\2327005-16023271658_SITE PLAN.DWG PLOT SCALE: 1:1 PLOT DATE: 7/11/2018 3:30 PM

NO.	BY	CHK.	APP.	DATE	REVISION DESCRIPTION
A	PEB	MAK	KAL	7/11/18	FOR CLIENT AND BCWMC 50% REVIEW

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINTED NAME: _____
SIGNATURE: _____
DATE: _____ LICENSE #: _____

CLIENT	7/11						
CONSTRUCTION							
RELEASED TO/FOR	A	B	C	0	1	2	3
DATE RELEASED							

Project Office:
BARR ENGINEERING CO.
4300 MARKETPOINTE DRIVE
Suite 200
MINNEAPOLIS, MN 55433

Corporate Headquarters:
Minneapolis, Minnesota
Ph: 1-800-632-2277
Fax: (952) 832-2601
www.barr.com

Scale	AS SHOWN
Date	07/11/2018
Drawn	PEB
Checked	MAK
Designed	MAK
Approved	KAL

CITY OF ST. LOUIS PARK

WESTWOOD HILLS NATURE CENTER
LINEAR STORMWATER FEATURE

PROFILES AND SECTIONS

BARR PROJECT No.	23/27-1658
CLIENT PROJECT No.	
DWG. No.	C2
REV. No.	A

Westwood Hills Nature Center Linnear Stormwater Feature - 50% Design

Existing Topography and Building Linework Provided by HGA

July 11, 2018



Westwood Hills Nature Center



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5C– Consider Approval of Proposal to Prepare Feasibility Study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21)
BCWMC July 19, 2018 Meeting Agenda
Date: July 11, 2018

5C. Consider Approval of Proposal to Prepare Feasibility Study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21)

Recommendations:

1. Consider approving the scope of work and \$70,200 budget presented in this memorandum and direct the Engineer to complete the feasibility study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21), scheduled for construction in 2020 and 2021.
2. Direct the Engineer to consult with the U.S. Army Corps of Engineers (USACE) to determine whether the Resources Management Plan Pre-application Consultation Protocols may apply for this project.
3. Direct the Engineer to prepare a feasibility study that complies with the requirements of the USACE and BCWMC criteria.

Background

As the City of Medicine Lake is nearly all surrounded by Medicine Lake, maintaining and improving the quality of the lake itself is paramount. Given the city's size and current infrastructure, there are limited opportunities for stormwater management retrofits, with the exception of the Jevne Park area. The project goal is to construct an improved water retention pond in Jevne Park, which will result in:

- better management of stormwater runoff as the city has no municipal storm sewer system
- increased capacity for stormwater storage within the pre-existing natural pond/wetland and swale in Jevne Park
- a better way to route, carry and store excess stormwater to minimize flooding within Jevne Park and on adjacent residential properties (approximately 15)
- reduced sediment and phosphorus loading to Medicine Lake
- reduced City of Medicine Lake capital and maintenance expenditures associated with road and culvert repair caused by excessive volumes and rates of runoff
- sustainability of existing waterfowl and wildlife habitats

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5C– Consider Approval of Proposal to Prepare Feasibility Study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21)
BCWMC July 19, 2018 Meeting Agenda
Date: July 11, 2018
Page: 2

This project is intended to improve conditions for smaller, more frequent storm events but is not intended to address the backflow from Medicine Lake onto the peninsula when water levels are abnormally high. Events greater than the 10-year (10% chance) event can result in high water levels on the lake that backflow into this area. Jevne Park is within the 100-year (1% chance) floodplain for Medicine Lake, as officially mapped by FEMA.

The Jevne Park area is not a Minnesota Department of Natural Resources (MnDNR) public water or wetland. However, this area is mapped as wetland as part of the National Wetlands Inventory (NWI) and is also flagged as a potential wetland in the Hennepin County Wetlands Inventory.

Medicine Lake is listed as impaired on the Minnesota Pollution Control Agency (MPCA) 303d list for mercury, chlorides, and excess nutrients (e.g. total phosphorus) and a Total Maximum Daily Load Study (TMDL) for the excess nutrients was approved in 2011. The TMDL identified a needed reduction in watershed loads to Medicine Lake by 28 percent; however, the wasteload allocation assigned in the TMDL was categorical, meaning the City of Medicine Lake was not assigned a load reduction specific to the city.

Figure 1 shows the location of Jevne Park.

As is required for BCWMC Capital Improvement Project (CIP) Projects, a feasibility study must be completed prior to BCWMC holding a hearing and ordering the project. The feasibility study will develop conceptual designs of the drainage and water quality improvement project, review the permitting requirements, and develop cost estimates for each concept of the project.

This project is consistent with the goals (Section 4.1) and policies (Sections 4.2.1, 4.2.2, and 4.2.10) in the 2015 – 2025 BCWMC Watershed Management Plan.

The BCWMC completed a Resource Management Plan (RMP) in 2009 through which the USACE and the BCWMC agreed on a series of steps, work items, deliverables (called “protocols”) that must be accomplished and submitted to complete the RMP process and USACE review/approval process. Although this project was not included in the RMP, the USACE has allowed the RMP protocols to be applied to other projects not specifically included in the RMP. With the completion of the protocols, we expect the USACE application process to move more quickly than it would otherwise. Most of the protocols must be addressed as part of the feasibility study, in addition to the usual tasks that would be performed as part of a BCWMC feasibility study. In general, the protocols require compliance with Section 106 of the National Historic Preservation Act, compliance with Section 404 of the Clean Water Act, and Clean Water Act Section 401 Water Quality Certification. Compliance with Section 106 typically requires a cultural resources inventory.

Content and Scope of Feasibility Study

The feasibility study will address and include the feasibility study criteria adopted by the BCWMC in October 2013:

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5C– Consider Approval of Proposal to Prepare Feasibility Study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21)
BCWMC July 19, 2018 Meeting Agenda
Date: July 11, 2018
Page: 3

- Analysis of multiple alternatives with the context of Commission objectives, including the following for each alternative:
 - Pros and cons analysis
 - Cost estimate for construction and a “30-year cost”
 - Analysis of life expectancy
 - Summarize each alternative for the Commission to judge its merits
 - Cost estimate for annualized cost per pound of pollutant removal
- Evaluation of new and/or innovative approaches
- Identification of permitting requirements

The BCWMC developed the above criteria when the BCWMC’s CIP was limited to water quality improvement projects, so they do not specifically address flood mitigation aspects of CIP projects.

As noted earlier, most of the RMP protocols must be addressed as part of the feasibility study. In addition to the tasks above, the feasibility study will include the identification of wetland impacts to meet the RMP pre-application protocols.

In addition to the RMP protocols and specific criteria adopted by the BCMWC, it is important to gather stakeholder input. The BCWMC Engineer will work with the BCWMC Administrator, and City of Medicine Lake representatives to identify the most-effective means to gather input from the public and other affected stakeholders.

Figure 1 shows the project area covered by this feasibility study. Below is a summary of the work scope components for this feasibility study:

1) Project Meetings

- a) Project kick-off meeting with BCWMC staff, and Medicine Lake representatives and preparation of meeting notes.
- b) Meeting with BCWMC staff, Medicine Lake representatives, USACE, MnDNR, and MPCA to discuss concept alternatives and review permit requirements for project, and prepare meeting minutes to confirm regulatory agencies’ discussion results.
- c) Up to two additional meeting with Medicine Lake representatives, as needed.
- d) Biweekly updates to the project team providing updates on work completed, upcoming work, and any outstanding data requests throughout the project

2) Field Investigations

- a) Environmental Investigations: Review of the Minnesota Pollution Control Agency’s (MPCA) “What’s in my Neighborhood?” database indicated the presence of a fuel tank on an adjacent residential property and the site is still currently active with the MPCA. However, because the

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5C– Consider Approval of Proposal to Prepare Feasibility Study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21)
BCWMC July 19, 2018 Meeting Agenda
Date: July 11, 2018
Page: 4

historic land use of this area was primarily residential, we do not anticipate widespread contamination resulting from this site that would impact the proposed project at Jevne Park. As part of this feasibility project, we will request and review the information in the MPCA's file for this site. We assume that after review of the MPCA file, a Phase I environmental site assessment will not need to be completed for this project and the project should proceed with a contingency plan in place if contamination were to be encountered during construction.

- b) Wetland delineations –Barr will perform a wetland delineation within Jevne Park, the wetlands south of Peninsula Road within the project area, and the wetland located at the drainage from Jevne Park. We will perform the field wetland delineation in accordance with the Routine Level 2 procedures specified in the USACE's 1987 Wetland Delineation Manual ("1987 Manual", USACE, 1987), the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Midwest Region (USACE, 2010), and the 2013 Guidance for Submittal of Wetland Delineation Reports to the USACE and WCA LGUs in MN. We will identify/flag and record wetland boundaries using a GPS unit with sub-meter accuracy. We will amend the existing wetland delineation report that includes the wetland type classifications and descriptions of the delineated wetlands, a brief description of the proposed project, general environmental information, and a discussion of regulations and the administering authorities. The report will also include wetland data forms, precipitation analysis, and site photographs. Barr also will obtain a Wetland Type and Boundary Approval from the Local Government Unit (LGU). Our cost estimate includes a wetland functions and values assessment (i.e., a Minnesota Rapid Assessment Method, or MNRAM, analysis) of the wetland in Jevne Park.
- c) Topographic and utility location survey – We will complete a topographic and utility location survey for the project area, including detailed survey of the outlet structure and overflow from Jevne Park to Medicine Lake. As part of the topographic survey, we will also take elevation measurements of the top and bottoms of the banks to the wetland in Jevne Park and south of Peninsula road within the project area, along with the shallow wetland bottom. We will also perform topographic survey of the wetland and low area and channel downstream of Jevne Park. Although the City just recently completed some culvert work along Peninsula Road last year, we assume there is not survey data available and we will also survey any existing driveway culverts along Peninsula Road that may contribute flows to these areas. Underground utilities will be located based on the location of manhole structures in the field, as-built/construction plan drawings from the City, and utilization of a Gopher State One Call utility locate. We assume that HKGi will provide the sanitary sewer data in electronic format. We will conduct the survey in NAVD88 and use available City of Medicine Lake or City of Plymouth benchmarks.
- d) Tree location, diameter, species, and condition survey – As part of the topographic survey, we will also survey all trees with a diameter of 4 inches or greater, recording the diameter, species, and condition (e.g. dead/live, shaggy/peeling/deeply furrowed bark) of the trees. In addition to

helping with estimated project costs for the various scenarios (if tree removal is required), the tree survey will help determine if the trees within the project area could provide habitat for the northern long eared bat (endangered).

- e) Sediment Sampling – Because there is limited storm sewer infrastructure in the City of Medicine Lake and much of the runoff that enters the wetland in Jevne Park passes over turf and wetland buffer vegetation before reaching the wetland, it is unclear if significant sediment accumulation has occurred in the existing wetland. As part of the wetland delineation task, Barr field staff will screen the sediments in the wetland in Jevne Park during the wetland delineation to see if there appears to be layers of coarse sediment accumulation in the wetland bottom. If this screening indicates that there may be accumulated sediment in the Jevne Park wetland, we will conduct sediment sampling of up to four sediment cores to determine if the accumulated sediment is contaminated, thus restricting the use of the dredged material, and to estimate the location of the natural pond bottom.
- f) Threatened and endangered species desktop review –Barr will perform a desktop review of the available databases to determine the potential for adverse impacts to state and federally listed species.
- g) Cultural resources desktop review - Barr will request review of the existing database from the State Historic Preservation Office (SHPO) for information related to known historic and archaeological resources in the project vicinity and will summarize any available information in the feasibility report.
- h) Project easements – The proposed project in Jevne Park is located on public property, so no additional easement acquisition is anticipated. However, if the proposed feasibility project concepts extend to the low areas and channel south of Peninsula Road, the project would be located on private property and easements would be required. This will be identified as part of the feasibility study.

3) Evaluation and Concept Plans

- a) Development of up to 3 concepts for development of a stormwater management pond in Jevne Park, considering input from stakeholders. The development of these concepts will consider tree removal estimates for each concept (if applicable), including removals needed to gain access to implement each concept.
- b) Use of the BCWMC Phase 2 XP-SWMM and P8 model to estimate impacts to peak flood elevations and pollutant removals, respectively, as a result of the project concepts.
- c) Identify permitting requirements for the concepts, based on wetland delineations and other compiled data, and one (1) meeting with USACE, MnDNR and MPCA staff (see task 1b).

- d) Develop cost estimates for the project, including a “30-year cost,” analysis of life expectancy, and annualized cost per pound of pollutant removal for the water quality treatment portion of the project.
- e) Evaluate the flood reduction benefits of the project, including acre-feet of additional flood storage provided, impact (if any) on Medicine Lake flood elevations and flooding that occurs during smaller storm events (e.g. 2-year and 10-year events), and impact on homes in the floodplain (e.g., are any homes removed from the floodplain, is there a reduction in the inundation depth at adjacent roadways).

4) Public Engagement

- a) Coordinate with BCWMC Administrator and City representatives to determine the best means to gather public input, such as mailings, newspaper articles, open houses, etc. Primary group for public discussions will be the nearby residents and property owners, including residents living around and users of Jevne Park. The budget for this task includes time to prepare for and attend one public meeting early in the process, prior to development of concept plans. We assume that meeting coordination, expenses, and set-up will be largely completed by the BCWMC Administrator in close collaboration with the City. This task includes assistance with public involvement process as necessary – preparing handouts, boards, and/or presentation, and recording and compiling comments.

5) Feasibility Report

- a) Prepare draft report for review by City representatives and BCWMC staff; revise report based upon review comments.
- b) Present draft feasibility study findings at BCWMC meeting.
- c) Prepare final report for approval at BCWMC meeting and for use at future project public hearing.
- d) Present final feasibility study findings at BCWMC meeting.

Cost Estimate

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

Table 1. Jevne Park Stormwater Improvement Project Feasibility Study Costs

Tasks	Estimated Total
1) Project Meetings	\$8,800
2) Field Investigations	\$23,500
3) Evaluation and Concept Plans	\$20,200
4) Public Engagement	\$ 4,200
5) Feasibility Report	\$13,500
Total	\$70,200







To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5C- Consider Approval of Proposal to Prepare Feasibility Study for the Jevne Park Stormwater Improvement Project (2020 CIP Project ML-21)
 BCWMC July 19, 2018 Meeting Agenda
Date: July 11, 2018
Page: 7

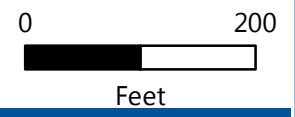
Schedule

We will complete the tasks and milestones outlined in the scope of work on the following schedule (assuming authorization at the July 2018 BCWMC meeting).

Tasks and milestones	Estimated Schedule
Kick-off meeting with BCWMC and City of Medicine Lake Representatives	August 2018
Wetland delineations	July/August 2018
Combined agency field review/TEP review	August/September 2018
Environmental Review	August 2018
Topographic, utility, and tree survey	August 2018
Desktop Review – threatened and endangered species, cultural resources	August 2018
Sediment sampling	September 2018
Meeting with BCWMC, City, USACE, MN DNR and MPCA	September/October 2018
Develop concept alternatives and cost estimates	October 2018 - January 2019
Public meeting	February 2019
Submit draft feasibility report for City and BCWMC staff review	March 8, 2019
City and BCWMC staff complete review	March 22, 2019
Submit draft feasibility report for BCWMC review at Commission meeting	April 10, 2019
BCWMC completes review at Commission meeting	April 18, 2019
Submit final feasibility report for BCWMC review at Commission meeting	May 8, 2019
Final Feasibility Report – BCWMC approval at Commission meeting	May 16, 2019



-  Subwatersheds
 -  Legal Boundary
 -  Parcels
 -  Project Area
- Contour Type**
-  10-Foot Contour
 -  2-Foot Contour



Jevne Park
Project Area
BCWMC

FIGURE 1

Barr Footer: ArcGIS 10.4, 2017-04-24 12:28 File: I:\Client\BassettCreek\Work_Orders\2015\Phase2_XPSWMM_ModelUpdate\Maps\Reports\Basset_Report\Figure 2-1_Watershed.mxd User: rsm



Aerial Imagery: 2015 FSA



7800 Golden Valley Road
Golden Valley, MN 55427

July 10, 2018

Laura Jester, Administrator
Bassett Creek Watershed Management Commission
16145 Hillcrest Lane
Eden Prairie, MN 55346

Subject: Honeywell Pond Expansion Project (City Project No. 14-20)
BCWMC Project #BC-4
Reimbursement Adjustment

Dear Ms. Jester:

As a follow up to the reimbursement request granted by the BCWMC on June 21, 2018, the Commission asked the City of Golden Valley to provide additional information regarding the costs incurred by the City that are over and above the BCWMC reimbursement of \$785,623.00.

According to the cooperative agreement for the project executed in August 2015, the City could be reimbursed up to \$810,930 less Commission expenses. At the time, the total project costs were *estimated* to be \$1,260,930 with the City funding the remaining \$450,000 to implement the project.

In December 2015, the Commission approved the Douglas Drive Reconstruction Project through its project review process. The reconstruction project was designed to meet MIDS water quality treatment requirements which were the BCWMC requirements for linear projects at the time. After project approval, and while this project was under construction, the Commission significantly revised its requirements for linear projects.

As part of the approval of the Douglas Drive Reconstruction Project, the Commission agreed to allow the City to take partial credit for the pollutant removals expected from the Honeywell Pond Expansion Project in order to meet MIDS requirements on the adjacent Douglas Drive Project. This was allowed because the City was expected to spend approximately \$795,000 of the estimated \$1,605,000 on the project as listed in the December 17, 2015 BCWMC memo. This contribution allowed the City to take credit for 49.5% of the treatment.

The City has incurred or is expected to incur the following contract costs:

- Feasibility report, final design, construction observation \$ 149,429.74
- Payment to Hennepin County for pond expansion performed by Park Construction (less retainage) \$ 789,166.31
- Contract retainage amount to be paid \$ 28,622.61
- Professional Services amount remaining (punch list items, irrigation/pump refinement and training, as-built surveys, etc) \$ 21,582.26
- Pond vegetation establishment based on City's current native vegetation contract (3 years IPM at \$1,230, plus 1 dormant mow at \$550,

<u>and 1 burn at \$1,450)</u>	\$ 3,230.00
Subtotal	\$ 992,030.92
• <u>Staff time at 10% of costs above</u>	\$ 99,203.09
Estimated cost to City	\$1,091,234.01

Following is a list of additional City contributions to the project as outlined in the December 17, 2015 BCWMC memo:

• Furnish and Install irrigation lines in ball fields	\$ 117,000.00
• Parts and labor to install an additional irrigation zone	\$ 28,000.00
• Connect to pumping system and SCADA system	\$ 25,000.00
• Remove 600 feet of overhead power line and <u>power pole and bury line around pond</u>	\$ 175,000.00
Subtotal	\$ 345,000.00

The total City costs for the Honeywell Pond Expansion Project are as follows:

Contract costs	\$1,091,234.01
+ <u>Additional City contributions</u>	\$ 345,000.00
Total City costs	\$1,436,234.01

Based on the December 17, 2015 BCWMC memo, the City is responsible for 49.5% of the total cost (calculated at \$1,436,234.01 x 49.5% = \$710,935.84) and the BCWMC is responsible for 50.5% of the total cost (calculated at \$1,436,234.01 x 51.5% = \$725,298.17).

The BCWMC provided reimbursement to the City in the amount of \$785,623.00 on June 21, 2018. Based on the cost split detailed above it appears the City received excess funding from the BCWMC. Therefore, the City is requesting that an adjustment of \$60,324.83 be made in favor of the BCWMC.

Reimbursement from BCWMC	\$ 785,623.00
- <u>BCWMC share of project</u>	\$ 725,298.17
Adjustment to BCWMC	\$ 60,324.83

If you have any questions regarding this submission, please contact me at 763-593-8084.

Sincerely,



Eric Eckman
Development and Assets Supervisor

C: Marc Nevinski, Physical Development Director
Jeff Oliver, PE, City Engineer
Sue Virnig, Finance Director



Item 5F.
BCWMC 7-19-18

Bassett Creek Watershed Management Commission

July 19, 2018

Liz Stout
City of Minneapolis
City of Lakes Building
309 South 2nd Ave.
Minneapolis MN 55401

Dear Liz,

Thank you for submitting the draft Minneapolis Water Resources Management Plan (WRMP) to the Bassett Creek Watershed Management Commission (BCWMC) for 60-day review per Minnesota Statutes 103B.235 Subp. 3. BCWMC staff reviewed the WRMP for consistency with the BCWMC 2015 Watershed Management Plan, BCWMC Requirements for Improvements and Development Proposals (2017), Minnesota Statutes 103B, and Minnesota Rules 8410. The Commissioners reviewed and approved the attached comments at their July 19, 2018 meeting.

Overall, the WRMP is very complete and presents a detailed picture of stormwater, surface water, and sanitary system management within the City of Minneapolis. The City's commitment to consider anticipated weather changes due to climate change in its stormwater management efforts is commendable (WRMP Page 1-8). Thank you including reference to BCWMC projects planned within the City (WRMP Pages 3-33 and 3-96).

Some revisions to the WRMP, as described in the attached comments, must be made before the Commission can approve the WRMP. Some of the attached comments concern inconsistencies between City ordinances and BCWMC performance standards. The Commission understands that the City will be updating its ordinances in the near future (WRMP Page 5-24) and looks forward to cooperating with the City in this effort. The Metropolitan Council also reviewed the WRMP and provided recommendations (attached) to the BCWMC and to the City. Recommendations from the Metropolitan Council are incorporated into the attached BCWMC comments.

The Commission understands the City extended the 60-day review period through September 20, 2018. The Commission will consider revisions to the WRMP submitted prior to that date before taking action to officially approve or disapprove all or part of the WRMP.

Thank you for the opportunity to comment on this SWMP. If you have any questions about these comments, please contact Laura Jester at 952-270-1990 or laura.jester@keystonewaters.com.

Sincerely,

Jim de Lambert, Chair

BCWMC Review of the City of Minneapolis Water Resources Management Plan - DRAFT July 6, 2018

Required Revisions

WRMP Page(s)	WRMP Text	BCWMC Comment
Page 1-14	<p><i>...Minnesota Rule 8410.0160, which states “(e)ach local plan shall be adopted within two years of the board’s approval of the last organization plan that affects local units of government.”</i></p> <p><i>It would be a burden to update the WRMP each and every time a NPDES permit is reissued, each time one of the four watersheds revises its watershed management plan, or each time a TMDL implementation plan is approved.</i></p>	<p>The 2015 updates to Minnesota Rules 8410 no longer include this requirement. Minnesota Rules 8410.0105 Subp. 9.A states that "a [watershed management organization] plan must include a schedule for implementation of local water plans that requires all local water plans to be adopted not more than two years before the local comprehensive plan is due." In addition, Minnesota Rules 8410.0160 Subp.6 also states "Each local water plan shall be adopted not more than two years before the local comprehensive plan is due."</p> <p>In its 2015 Plan, the BCWMC requires that a City's local controls be consistent with BCWMC requirements within two years of a BCWMC Plan update. This requirement does not necessarily require updates to the City plan. See Section 5.3.1.1 of the 2015 BCWMC Plan.</p>
Page 2-32	<p><i>Joint and Cooperative Agreement No. C-015730 for Boundary Change, BCWMC and MWMO, September 28, 2000. Includes requirement that stormwater discharges to the new Bassett Creek Tunnel must be limited to a maximum flow of 50 cubic feet per second (cfs). Agreement is currently under negotiation.</i></p>	<p>This agreement is not currently under negotiation; the text should be revised accordingly. Also, the statement regarding 50 cfs in the new Bassett Creek Tunnel is incorrect and must be revised. The agreement states that "the City is required to maintain 50 cfs of capacity in the OLD Bassett Creek Tunnel during the 100-year storm event to accommodate overflow of stormwater that cannot be accommodated in the new Bassett Creek Tunnel." The issue of the 50 cfs additional capacity is correctly described on Page 5-24 of the WRMP.</p>
Page 3-96	<p><i>Additionally, the BCWMC requires that member cities assess the need for a waterbody management classification system. The City aims to be consistent with water resource management in a manner that complies with requirements of all four watershed organizations and that does not create unique systems for regions or watersheds within the City. Therefore, the City opts to not create a separate waterbody classification system.</i></p>	<p>We acknowledge the City's desire to limit the extent of region/entity-specific waterbody classifications. However, the WRMP must note that the BCWMC classifies Bassett Creek and Wirth Lake as "Priority waterbodies" for management purposes. This may be noted in the inventory sections detailing these waterbodies (e.g., Page 3-26 and Page 3-77).</p>

Page 4-34	<p><i>In 2016, the BCWMC adopted a set of policies that outline schedules, procedures, and responsibilities regarding the inspection and maintenance of the Flood Control Project (FCP) structures....According to those policies, the BCWMC will continue an inspection and maintenance program for the FCP structures....Member cities, including Minneapolis, will perform initial responses to emergency situations, with the costs to be reimbursed by the BCWMC. Member cities are also responsible for the upkeep of road crossings.</i></p>	<p>Policy 6 of the BCWMC Flood Control Project Policies adopted in 2016 (based on Policy 4.2.2-24 of the 2015 BCWMC Plan) requires that member cities are responsible for routine maintenance and repair of BCWMC FCP structures located within their City, and for reporting maintenance and repair activities to the BCWMC. This section must be revised to include this responsibility.</p>
Page 5-3; Table 5.1	<p><i>Chapter 551 - FLOODPLAIN OVERLAY DISTRICT</i></p> <p><i>551.600-551.645 Establishes prohibited, permitted, and conditional uses within floodplain and flood fringe overlay districts.</i></p> <p><i>551.650 Establishes standards for uses within flood fringe overlay district.</i></p>	<p>The City's Floodplain Overlay District does not include or reference the BCWMC-delineated 100-year floodplain (based on BCWMC XP-SWMM modeling). The BCWMC Requirements for Improvements and Development Proposals (2017) and 2015 BCWMC Plan include minimum building elevations applicable within the BCWMC-delineated floodplain. The City's floodplain ordinance must be updated to include or reference the BCWMC-delineated floodplain and applicable minimum building elevations within that area. Note that the BCWMC requires lowest floor elevations at least 2 feet above the BCWMC's 100-year flood level, versus the 1 foot freeboard required in the current City ordinance.</p>
Page 5-14	<p><i>Stormwater management plans submitted for Minneapolis Development Review must provide for stormwater controls to meet the pollution reduction goals contained in Chapter 54. The City has initiated a process to update these requirements in accordance with the NPDES Integrated Permit, the standards established by the watershed district/organizations with jurisdiction in the City, and to define requirements and the approval process for new private outfalls to surface waters. The MS4 permit requires all new and redevelopment projects that create or fully reconstruct one or more acres of impervious surface to retain onsite, to the maximum practicable extent, a stormwater volume of one-inch times the new and/or fully reconstructed impervious surfaces, except where infiltration is prohibited.</i></p>	<p>The City's current stormwater management water quality performance standards are not consistent with the BCWMC water quality performance standards, which are based on MIDS for non-linear projects and are included in Policy 4.2.1-12 of the 2015 BCWMC Plan and in the BCWMC Requirements for Improvements and Development Proposals (2017). The text on page 5-14 of the WRMP notes that the City will be updating its ordinances to establish consistency with the new MS4 permit and watershed organizations. Updates to the City's water quality performance standards must be consistent with BCWMC requirements. The planned update of City ordinances and/or the City's Stormwater Design Manual must be included in the City's implementation program. This issue is also noted in recommendation #4 of the Metropolitan Council comment letter.</p>

Page 5-15	<p><i>Stormwater management requirements established by the City overlap with the standards established by the watershed district/organization with jurisdiction in the City. These also overlap with stormwater management requirements set by the MPCA in their General Permit for Construction Activities. Table 5.4 compares the minimum sized site that is required to meet specific stormwater management activities for each of these organizations that are in effect in 2017.</i></p>	<p>This section must be revised to note that the BCWMC has project review authority for projects meeting specific criteria and describe the City's collaborative role in BCWMC review process (BCWMC Plan Section 5.1.1.1 and Section 5.3.1). This discussion should reference the BCWMC Requirements for Development and Redevelopment Proposals (2017).</p>
Page 5-23	<p><i>The City owns, maintains, and operates two Bassett Creek tunnels. The City is required to ensure that no modifications happen that will add new tributary area, flows, connections, or outlets to the new tunnel without proper vetting and ensuring that there will be no negative impacts to the flood control projects. The City is required to maintain 50 cubic feet per second (cfs) capacity in the "old" Bassett Creek tunnel during the 100-year storm event to accommodate the overflow of stormwater that cannot be accommodated in the "new" tunnel.</i></p>	<p>The language in this section is correct. The text regarding the 50 cubic foot per second capacity on Page 2-32 must be revised to be consistent with the text on page 5-23. See above comment on Page 2-32.</p>
Page 6-3	<p><i>Prioritization is critical to ensure that the capital improvement projects and regulatory programs stay within limits of available revenue. Five-year projections of future project and program expenditures are listed in the City's annual budgets, but are subject to considerable change.</i></p>	<p>We understand that the City seeks to maintain flexibility regarding the implementation of capital improvements and that the City's CIP is subject to change. However, Minnesota Rules 8410.0160 Subp. 3.E.6 requires that local water plans "include a table for a capital improvement program that sets forth, by year, details of each contemplated capital improvement that includes the schedule, estimated cost, and funding source." Table 6-2 must be revised (or another table added) that includes, to the extent currently known, specific projects (or project locations), estimated costs, and funding sources. The table may reference the figures or prioritized areas included in WRMP section 6. This table should include projects planned in coordination with the BCWMC. This issue is also noted in recommendations #2 and #3 in the Metropolitan Council comment letter.</p>

<p>Page 6-4 Page 6-5</p>	<p><i>Table 6.2 represents the 5-year Capital Improvement Program as submitted to CLIC for the 2019 to 2023 budget cycle.</i></p>	<p>To fully comply with the requirements of Minnesota Rules 8410, the City's implementation program must cover the full 10 years of WRMP implementation (e.g., 2019-2028), even if there is some uncertainty regarding funding and expenses in later years. Table 6-2 must be revised to cover the required time period. The table could note that project schedules are likely to change and/or could provide a range of possible years for implementation. This issue is also noted in recommendations #3 in the Metropolitan Council comment letter.</p>
<p>Page 6-5</p>	<p><i>As noted in Table 6.2, sanitary sewer and stormwater drainage projects are grouped into general categories of funding.</i></p>	<p>The categories included in Table 6.2 and described in the pages following Table 6.2 appear to be limited to capital improvements. Minnesota Rules 8410.0160 Subp. 3.E.5 requires that local water plans "include a table that briefly describes each component of the implementation program and details the schedule, estimated cost, and funding sources...." Implementation components (e.g., maintenance, administration) are presented graphically in Figure 6.1. This format, however, does not show anticipated year-by-year expenses, and does not allow for inclusion of more specific activities (e.g., update of ordinances to comply with WMO and NPDES requirements). The tables and/or narrative of this section must be revised to present estimated costs of non-capital program elements and specifically reference the ordinance updates mentioned earlier in the WRMP.</p>
<p>Page A-1 MN Rules 8410.0160 Subpart 3.C</p>	<p><i>Subpart 3.C Drainage Volume Subpart 3.C Drainage Rates</i></p>	<p>Minnesota Rules 8410.0160 Subp. 3.C requires that local water plans include drainage areas, volumes, and rates. This information is not included in the WRMP. Page 4-27 notes that the City is in the process of completing modeling "to assess capacity, discharge rates, and runoff volumes generated in each of the 406 unique stormwater pipeshed areas." This information, once available, must be appended to the WRMP or included by reference to the completed study. The BCWMC considers such an update to be a minor plan amendment. This issue is also noted as recommendation #1 of the Metropolitan Council comment letter.</p>

<p>Page A-14 Section 5.3.1.1</p>	<p><i>Assess problems identified by the BCWMC that affect the City.</i></p> <p><i>- N/A – BCWMC Water Management Plan does not identify problems within Minneapolis</i></p>	<p>It is not accurate to state that the BCWMC Plan does not identify problems in the City. Many of the issues described in the 2015 BCWMC Plan - Section 3 Assessment of Issues and Opportunities affect the City, including maintenance of the BCWMC Flood Control Project and addressing impaired waters (Bassett Creek and Spring Lake). These issues are addressed in Sections 3 and 4 of the WRMP.</p>
<p>Page A-16 Section 4.2.5</p>	<p><i>64. Member cities shall maintain and enforce BCWMC buffer requirements along priority streams.</i></p> <p><i>- Buffer Law (Page 2-10)</i></p>	<p>The discussion on Page 2-10 of the WRMP notes that there is an exemption for communities with NPDES permit requirements, such as Minneapolis. The City is still subject to BCWMC buffer requirements. Pending updates to the City ordinances must include buffer requirements at least as stringent as the BCWMC.</p>

Recommended Revisions		
WRMP Page(s)	WRMP Text	BCWMC Comment²
Page ES-3 Page 1-8	<i>The categories of water resources, as defined by the City: surface water, infrastructure, and private systems. (Page ES-3)</i> <i>The City categorizes its water resource systems into three major groups: surface waters, sanitary sewer collection systems, and stormwater drainage systems. (Page 1-8)</i>	The categories listed in last paragraph of Page 1-8 do not match categories in bullet on Page ES-3. Green headings on Page 1-9 and Page 1-10 are consistent with the three categories from Page ES-3. Consider revising the text on Page 1-8 to be consistent with the categories as described on Page ES-3 and Pages 1-9 and 1-10.
Page 2-6	<i>The federal NPDES permit program is delegated by the EPA to the MPCA for administration in the State of Minnesota. In the past, the MPCA had issued two separate permits to the City of Minneapolis under the CWA....</i>	This section does not include a narrative discussion of the MPCA's construction stormwater permitting role. A link to this program is included. We recommend that this section include a brief discussion of the MPCA's role in regulatory construction stormwater, as this program can impact private and public projects in the City.
Page 2-9	<i>MIDS was developed by the MPCA as an advisory program, not a specific regulatory program.</i>	Consider including a brief statement about the extent to which the City uses MIDS guidance in this section or including a reference to the discussion of MIDS on page 5-17. Page 2-35 notes the City's use of MIDS in establishing regulatory controls. Note that the BCWMC Requirements for Improvements and Development Proposals (2017) includes water quality performance goals based on MIDS for non-linear projects.
Page 4-17	<i>The primary function of the stormwater drain system is to convey the peak flows generated by a design storm to prevent damage to infrastructure and private properties.</i>	Consider revising "...by a design storm..." to read "...by storm events..." as the former may give the reader the impression that such systems are not intended to function for a range of precipitation events.

June 29, 2018

Ms. Laura Jester, Administrator
Bassett Creek Watershed Management Commission
16145 Hillcrest Lane
Eden Prairie MN 55346

RE: City of Minneapolis Water Resource Management Plan 45-Day Review
Metropolitan Council Review File 21959-1

Dear Ms. Jester:

The Metropolitan Council (Council) has completed its 45-day review of the draft City of New Minneapolis (City) Water Resource Management Plan (Plan), as required under Minnesota Statute 103B.235. The Council reviewed the Plan for consistency with Minnesota Rules Part 8410.0160 (Minnesota Rules) and our *2040 Water Resources Policy Plan* (Policy Plan). Specifically, the Council outlines suggested plan elements in the Policy Plan Appendix C-2: Local Surface Water Management Plan Elements.

Overall, the plan provides a good framework for the City to continue successfully managing its water resources alongside its watershed partners. *Section 1 – History and Overview of Minneapolis Water Resources*, sets a strong context for the plan, with a thorough history of water resources in the City. *Section 3 – Land and Surface Water Inventory and Assessment*, provides sufficient information to understand the City's land use, physical setting and key water resources. The section on Minneapolis waterbodies is very thorough, discussing key waterbody and watershed characteristics, historical context, water quality information (including TMDLs), references to related studies, issues identified by the City or watershed partners, and projects completed in the waterbody's watershed.

The Plan is also consistent with requirements by clearly defining roles in managing water within the City's jurisdiction and describing official controls to implement water management. The City:

- administers its own NPDES integrated stormwater permit and enforces stormwater management rules through its Stormwater Management ordinance.
- requires discharge rates from sites not exceed current rates for the 2, 10, and 100-year 24-hour storm events.
- requires modeled rainfall depths to use precipitation estimates from NOAA Atlas 14.
- uses MIDS goals as a foundation for revising regulatory controls to address volume management requirements of the NPDES permit.

There are a few areas of the plan, however, that need to be strengthened. To be in full conformance with Minnesota Rules Part 8410.0160 and the Policy Plan, Council staff recommends the plan be updated to:

1. Include drainage areas, volumes, and rates of stormwater runoff. The Plan references current hydraulic design standards, not existing conditions. The Plan also states that a comprehensive analysis of the city-wide XP-SWMM stormwater system model is currently ongoing and will be completed this year.
2. Prioritize solutions to address water quality problems identified in the Plan. Water quality problems are identified for each of the City's waterbodies, but there is no attempt to comprehensively assess the urgency of problems or understand the priorities of the City. In *Section 6 – Planning and Implementation*, the Plan states how the city prioritizes water resources management projects, but not what the actual priorities for the City are over the next 10 years.
3. Include a capital improvement program in the plan. The plan does include *Table 6.2 – Minneapolis Sanitary Sewer and Storm Sewer Capital Improvement Budget, 2019-2023*, but this is more of a reporting of available funds than a plan for action with specific water resources projects. We understand that ongoing modeling to be completed this year makes identifying specific projects to address water resources issues difficult at the present time, but the Plan should include more specific projects, with schedule, estimated cost, and funding source identified with as much detail as possible. Specifically:
 - a. Projects should be more targeted and specific than “Implementation of EPA Stormwater Regulations” and “Flood Mitigation – Stormwater Alternatives”. If the water resources problems identified were more detailed and better prioritized, the City could focus more specific implementation items on prioritized areas.
 - b. The Implementation Plan should include years all the way through the year the local water plan extends, with specific actions scheduled for all years.
4. Align the City's ordinance development, adoption, and enforcement process with the schedules set up in the watershed plans. While the City administers its own NPDES integrated stormwater permit and Stormwater Management ordinance to implement water management within its borders, any ordinance updates must be reviewed by the Watersheds in accordance with their watershed rules and plans. We encourage the Watershed to work with the City on a process to align future City ordinance updates with the Watersheds' rules and standards.

It is very important that the City identify specific water resources problems and prioritize projects to address these problems. If the City is unable to determine its prioritizations prior to watershed plan required deadlines, and if the Watershed decides to move forward with approval, the Watershed may want to consider asking the City as part of its approval process to complete a plan amendment upon completion of the models to address the deficiencies noted above.

We appreciate your considering our comments as you move forward with approval of the Plan. If you have any questions about these comments, please contact Emily Resseger, at 651-602-1033, or at emily.resseger@metc.state.mn.us.

Sincerely,



Sam Paske
Assistant General Manager, Environmental Services Division

cc: Elizabeth Stout, City of Minneapolis
Katrina Kessler, City of Minneapolis
Jodi Polzin, CDM Smith
Doug Snyder, Mississippi Watershed Management Organization
James Wisker, Minnehaha Creek Watershed District
Judie Anderson, Shingle Creek Watershed Management Commission
Gail Dorfman, Metropolitan Council District 6
Gary Cunningham, Metropolitan Council District 7
Cara Letofsky, Metropolitan Council District 8
Michael Larson, Metropolitan Council Sector Representative
Raya Esmaeili, Metropolitan Council Referrals Coordinator
Emily Resseger, Water Resources Section



Bassett Creek Watershed Management Commission

MEMO

Date: July 9, 2018
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. Feasibility study field work began in late September. A project kick-off meeting was held October 6th, a public open house was held November 9th, a meeting with permitting agencies was held December 8th and a meeting with Met Council regarding the existing sanitary sewer line was held in late December. Work on various aspects of the feasibility study continued over the winter including establishment of ordinary high-water levels, test trench investigations, use of the XP-SWMM model, and development of 3 concepts for city staff, administrator review and presentation to residents at a public open house on April 11th. At its May meeting, the Commission approved Concept 3 and set a maximum 2019 levy. In May, the Minnesota Legislature passed the bonding bill and the MDNR has since committed \$2.3M for the project. The Hennepin County Board will consider and act on the 2019 levy request this month. A BCWMC public hearing on this project will be held during the August 16th meeting. Project website: <http://www.bassettcreekwmo.org/index.php?CID=433>

2020 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. A wetland delineation is complete and submitted for approval. Preliminary concepts were developed and discussed with designers for Minneapolis Park and Rec Board. A meeting with permitting agencies was held on January 19th and another meeting with MPRB designers was held February 13th to review possible concepts. Soil borings were recently completed and a public open house on the MPRB's Bryn Mawr Meadows Park improvement project was held March 8th and had about 50 participants. At their meeting in April, the Commission approved a TAC and staff recommendation to move this project from implementation in 2019 to design in 2020 and construction in 2021 to better coincide with the MPRB's planning and implementation of significant improvements and redevelopment Bryn Mawr Meadows Park where the project will be located. A draft feasibility study will be presented at the September 2018 Commission meeting. Project website: <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 (See Item 5B): 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 kick-off meeting was held November 21st. A wetland delineation was completed and approved. The Commission Engineer has received the architect's survey and building location and soil boring data. Project concepts were recently discussed with the city's architect and city staff and two public open houses were held in February for the Westwood Hills Nature Center reconstruction project. At their meeting in May, the Commission approved Concept 3 (linear water feature) and set a maximum 2019 levy. The 50% designs for this project will be presented at this meeting. The

Hennepin County Board will consider and act on the 2019 levy request this month. A BCWMC public hearing on this project will be held during the August 16th meeting. Project website: <http://www.bassettcreekwmo.org/projects/all-projects/westwood-lake-water-quality-improvement-project>

2018 Bassett Creek Park Pond Phase I Dredging Project: Winnetka Pond, Crystal (BCP-2): The final feasibility study for this project was approved at the May 2017 meeting and is available on the project page online at <http://www.bassettcreekwmo.org/index.php?cID=403>. At the September 2017 meeting, the Commission held a public hearing on the project and adopted a resolution officially ordering the project, certifying costs to Hennepin County, and entering an agreement with the City of Crystal for design and construction. Hennepin County approved the 2018 final levy request at their meeting in November 2017. The City of Crystal hired Barr Engineering to design the project. At their meeting in April, the Commission approved 50% design plans. A public open house on the project was held May 24th where four residents asked questions, provided comments, and expressed support. 90% design plans were approved at the June 2018 meeting. The city will begin developing bidding documents. Construction is expected this winter.

2017 Plymouth Creek Restoration Project, Annapolis Lane to 2,500 feet Upstream (2017CR-P) (See Item 4D): 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 completed by the city's contractor, Wenck Associates, with 60% and 90% design plans approved by the Commission at the April and August 2017 meetings, respectively. Plymouth City Council awarded a construction contract in early December 2018 and construction got underway on December 11, 2018. Streambank restoration work is complete in all three reaches. Vegetation is currently being established.

2017 Main Stem Bassett Creek Streambank Erosion Repair Project (2017CR-M) (No change since June): The feasibility study for this project was approved at the April Commission meeting and the final document is available on the project page at: <http://www.bassettcreekwmo.org/index.php?cID=281>. A Response Action Plan to address contaminated soils in the project area was completed by Barr Engineering with funding from Hennepin County and was reviewed and approved by the MPCA. The Commission was awarded an Environmental Response Fund grant from Hennepin County for \$150,300 and a grant agreement is in the process of being signed by the county. A subgrant agreement with the City will be developed. The City hired Barr Engineering to design and construct the project. Fifty-percent and 90% designs were approved at the August and October Commission meetings, respectively. In September, design plans were presented by Commission and city staff to the Harrison Neighborhood Association's Glenwood Revitalization Team committee and through a public open house on the project. Bidding for construction is complete and a pre-construction meeting was recently held. Construction was to begin this summer but will be delayed until winter/spring 2019 due to the unanticipated need for a field based cultural and historical survey of the project area required by the Army Corps of Engineers and the preference for Pioneer Paper (a significant landowner and access grantor) for a spring/summer construction window.

2016 Northwood Lake Improvement Project, New Hope (NL-1) (No change since June): Northwood Lake Improvement Project is nearing completion with all major work complete. The storm water tank was fully operational in June and irrigated the fields all summer. Since it began operating the tank has captured and reused 904,000 gallons of storm water. All raingardens are planted and working well. A grand opening of the park was held last spring. Friends of Northwood Lake disseminated water quality educational materials, including BCWMC materials. A semi-annual grant report was submitted to the MPCA in January. The final piece of the project – an educational sign was designed and fabricated. It will be installed this month and final grant reporting will be completed in July.

2016 Honeywell Pond Expansion Project, Golden Valley (BC-4) (See Item 5D): 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 were installed and connected to the Sandburg Athletic. Final stabilization of the pond was completed last fall and the area was seeded with a mix of natives including wetland and upland species. The project is complete and a final report and reimbursement were approved at the June meeting.

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 June): 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 will be performed this summer.

2014 Twin Lake In-lake Alum Treatment, Golden Valley (TW-2): 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 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.

2013 Four Season Area Water Quality Project/Agora Development (NL-2) (No change since May): 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. I will be writing letters to the RHM and the City of Plymouth to officially cancel the agreements. Staff will work with the City of Plymouth to determine another possible option for treatment in this area.

Other Work

CIP Project Work and Technical Assistance

- Updated CIP webpages
- Drafted agreement with Golden Valley for DeCola Ponds Project; sent to legal for review
- Reviewed draft proposal for feasibility study for Jevne Park Improvement Project

Administration and Education

- Submitted proposed 2019 operating budget to city clerks
- Submitted August 16th public hearing notice to city clerks
- Picked up CAMP samples
- Continued to work on scheduling/coordinating Sweeney Lake Aeration Study public meeting, including finding professional facilitator
- Updated administrative calendar and CIP project status table
- Reviewed/commented on Watershed Based Funding materials by Hennepin County for submission to BWSR
- Participated in “client care” meeting with Engineer Chandler
- Continued to work on historic files
- Communicated with WMWA colleagues and sent call for newsletter articles
- Communicated with MnDNR re: FEMA grant reporting spreadsheet
- Developed and submitting invoice to Met Council for Blue Line LRT work