



Bassett Creek Watershed Management Commission

Regular Meeting

Thursday, September 17, 2015

8:30 – 11:00 a.m.

Council Conference Room, Golden Valley City Hall, 7800 Golden Valley Rd., 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 – July 16, 2015 Commission Meeting
 - B. Approval of Minutes - August 20, 2015 Commission Meeting
 - C. Approval of September 2015 Financial Report
 - D. Approval of Payment of Invoices
 - i. Keystone Waters, LLC – August 2015 Administrator Services
 - ii. Barr Engineering –August 2015 Engineering Services
 - iii. Amy Herbert – August 2015 Secretarial Services
 - iv. ACE Catering – September 2015 Meeting Refreshments
 - v. Wenck – August 2015 WOMP Monitoring
 - vi. University of Minnesota – NEMO Workshop Partnership
 - vii. HDR – July 2015 Website Redesign Project
 - viii. Kennedy Graven – July 2015 Legal Services
 - E. Approval of Commissioner Request for Reimbursement to Attend Minnesota Water Resources Conference
 - F. Approval of Cornerstone Creek Project – Golden Valley
 - G. Approval of Sochacki Trail Paving Project – Robbinsdale
 - H. Approval to Set November Commission Meeting for Wednesday November 18, 2015
5. **BUSINESS**
 - A. Items Related to Adoption and Distribution of 2015 – 2025 BCWMC Watershed Management Plan
 - i. Review Credit Page and Proposed Changes to Requirements Document (Appendix H)
 - ii. Review Transmittal Letter
 - iii. Discuss Plan Printing and Distribution
 - iv. Receive Plan Approval Documents from BWSR
 - v. Consider Approval of Resolution Adopting Plan
 - B. Consider Approval of Resolution of Appreciation for Plan Steering Committee Chair, Linda Loomis
 - C. Receive Presentation on Progress of Bassett Creek Main Stem Restoration Project Through Wirth Park (2012CR-M)
 - D. Consider Proposal for Preparation of Feasibility Study for Bassett Creek Main Stem Restoration Project (2017CR-M)
 - i. Discuss Proposal from Barr Engineering, Consultant for City of Minneapolis
 - ii. Consider Approving Agreement with City of Minneapolis to Conduct Feasibility Study
 - E. Receive Update on 2015 Operating Budget Status
 - F. Consider Agreement with Metropolitan Council for Reimbursement of BCWMC Expenses Related to

- Review of Blue Line LRT
- G. Consider Approval of 50% Plans for Northwood Lake Improvement Project (NL-1)
 - H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4)
 - I. Receive Invitation for NEMO Workshop for Local Officials on Winter Maintenance & Use of Chlorides
 - J. Consider Volunteering at Golden Valley Arts and Music Festival

6. COMMUNICATIONS

- A. Administrator's Report
 - i. Report on Clean Water Summit
 - ii. Report on Recent BCWMC Education Activities
- B. Chair
- C. Commissioners
- D. TAC Members
 - i. Report on September 8th Technical Advisory Committee Meeting
 - ii. Report on Restoration Order Issued on Sweeney Lake
- E. Committees
- F. Legal Counsel
- G. Engineer

7. INFORMATION ONLY (Information online only)

- A. CIP Project Update Chart
- B. Grant Tracking Summary and Spreadsheet
- C. The Future of Our Water Supply - League of Women Voters Event 9/24/15
- D. West Metro Water Alliance Meeting Minutes, July & August
- E. Pollinator Friendly Alliance Event, Sunday September 13th, 1:00 – 6:00 p.m., Stillwater
<http://pollinatorfriendly.org/blog/>

8. ADJOURNMENT

Upcoming Meetings & Events

- Mississippi Watershed Management Organization Stormwater Park & Learning Center Grand Opening: Saturday September 19th, 10:00 a.m. – 1:00 p.m., MWMO Office Minneapolis
- The Future of Our Water Supply, League of Women Voters Event: Thursday September 24th, 7:00 – 8:30 p.m., Crystal Community Center
- Golden Valley Art and Music Festival & Parade: Saturday September 26th, 10:00 a.m. – 3:00 p.m., Golden Valley City Hall
- NEMO Workshop “Chloride and Winter Road Management for Local Officials: Wednesday October 7th, 6:00 – 8:30 p.m., Minnetonka Public Works
- BCWMC Regular Meeting: Thursday October 15th, 8:30 a.m., Golden Valley City Hall
- BCWMC Regular Meeting: **WEDNESDAY** November 18th, 8:30 a.m. Golden Valley City Hall

Future Commission Agenda Items list

- Address Organizational Efficiencies
- Finalize Commission policies (fiscal, data practices, records retention, roles and responsibilities, etc.)
- Presentation on joint City of Minnetonka/ UMN community project on storm water mgmt
- State of the River Presentation
- Presentation on chlorides



Bassett Creek Watershed Management Commission

AGENDA MEMO

Date: September 9, 2015

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: **Background Information for 9/17/15 BCWMC Public Hearing & Meeting**

1. **CALL TO ORDER and ROLL CALL**
2. **CITIZEN FORUM ON NON-AGENDA ITEMS**
3. **APPROVAL OF AGENDA – ACTION ITEM**
4. **CONSENT AGENDA**
 - A. Approval of Minutes – July 16, 2015 Commission meeting- **ACTION ITEM with attachment**
 - B. Approval of Minutes – August 20, 2015 Commission meeting- **ACTION ITEM with attachment**
 - C. Approval of September 2015 Financial Report - **ACTION ITEM with attachment**
 - D. Approval of Payment of Invoices - **ACTION ITEM with attachments**
 - i. Keystone Waters, LLC – August 2015 Administrator Services
 - ii. Barr Engineering – August 2015 Engineering Services
 - iii. Amy Herbert – August 2015 Secretarial Services
 - iv. ACE Catering – September 2015 Meeting Refreshments
 - v. Wenck – August 2015 WOMP Monitoring
 - vi. University of Minnesota – NEMO Workshop Partnership
 - vii. HDR – July 2015 Website Redesign Project
 - viii. Kennedy Graven – July 2015 Legal Services
 - E. Approval of Commissioner Requests for Reimbursement to Attend Minnesota Water Resources Conference – **ACTION ITEM no attachment** – *Alt. Commissioner Scanlan and Commissioner Mueller would like to attend the MN Water Resources Conference in St. Paul on October 13-14 (<https://www.wrc.umn.edu/waterconf>). At their meeting in March the Commission approved the 2015 Education and Outreach Budget and Work Plan including funding for “Training for Commissioners” in which Commissioners, Alternate Commissioners and Committee members could be reimbursed for conference expenses, with approval from the Commission. Staff recommends approving reimbursement to Commissioners Scanlan and Mueller in the amount of \$245.00 each for the two-day registration fee.*
 - F. Approval of Cornerstone Creek Project – Golden Valley – **ACTION ITEM with attachment** - *The proposed project includes demolition of two existing single family homes for the construction of a new multi-story residential building and installation of an underground stormwater treatment system within the Bassett Creek Main Stem subwatershed. The project site is 2.25 acres and results in an increase of 0.95 acres of impervious surface and a total impervious area of 1.26 acres. Staff recommends conditional approval of the project with comments in the attached memo.*
 - G. Approval of Sochacki Trail Paving Project – Robbinsdale – **ACTION ITEM with attachment** - *The proposed project includes paving an existing gravel trail, replacement of a culvert, and grading of a ditch along a portion of the trail in the Bassett Creek Main Stem (Grimes, North Rice, South Rice Lake) subwatershed in Sochacki Park. The project results in no net change of impervious surface and a total proposed impervious area of 0.56 acres. Wetland impacts are possible and will be determined after a wetland delineation. Staff recommends conditional approval with comments in the attached memo.*

- H. Approval to Set November Commission Meeting for Wednesday November 18, 2015 – ACTION ITEM no attachment – *As in past years, members of the Technical Advisory Committee request that the November Commission meeting be moved to the third Wednesday to allow their attendance at the American Public Works Association Conference. Staff recommends approval to set the November Commission meeting to Wednesday November 18th.*

5. BUSINESS

- A. Items Related to Adoption and Distribution of 2015 – 2025 BCWMC Watershed Management Plan – DISCUSSION/ACTION ITEMS with attachments – *The complete and final Watershed Plan (except Appendix H, see 5Ai below) is available online and reflects revisions approved at the August Commission meeting resulting from comments on the 90-day draft and other staff recommendations.*
- i. Review Credit Page and Proposed Changes to Requirements Document (Appendix H) – DISCUSSION ITEM with attachments – *The Plan should include a page of credits (inside the front cover) and the Commission Engineer’s signature. A suggested credit page is attached. Additionally, the Commission Engineer has some suggested revisions to the Requirements Document (Appendix H) which further clarifies some provisions, includes the appropriate Plan date, etc. Proposed changes are shown with underline and strikeout in the complete Appendix H available online. This Appendix must be finalized before adopting the final Plan in the action requested below. The Commission should review the proposed revisions and make recommendations as needed.*
 - ii. Review Transmittal Letter – DISCUSSION ITEM with attachment – *Staff drafted a transmittal letter for the Chair’s signature that includes a brief description of changes made to the Plan since the 90-day review draft. Comments or suggested changes on the letter are welcome.*
 - iii. Discuss Plan Printing and Distribution - DISCUSSION ITEM no attachments – *Staff is currently gathering information on the cost of printing and postage for the final plan as well as a list of entities that would like printed copies – I will bring this information to the meeting. Staff would like to know if Commissioners would like printed copies of the Plan (the entire Plan will be posted online). Additionally, the Commission should discuss whether or not the printed version of the Plan should include Appendices G (JPA), H (Requirements Document), I (Boundary Change) and J (Legal Description). Combined, these appendices constitute 85 pages bringing the total printed Plan to 410 pages.*
 - iv. Receive Plan Approval Documents from BWSR – INFORMATION ITEM with attachment – *The MN Board of Water and Soil Resources approved the BCWMC Watershed Plan on August 27th. A letter from the Chairman of the BWSR Board and the official order are attached.*
 - v. Consider Approval of Resolution Adopting Plan – ACTION ITEM with attachment – *It’s time! After the Commission discusses the final details of the Plan in the items above, the Commission should approve the attached resolution adopting the Plan. And then we should celebrate!*
- B. Consider Approval of Resolution of Appreciation for Plan Steering Committee Chair, Linda Loomis – ACTION ITEM with attachment – *Former Commissioner Loomis led the Plan Steering Committee through 24 meetings during 2013 and 2014 and facilitated discussions among various groups throughout the development of the Watershed Plan. The Commission should consider commending and thanking Ms. Loomis with a formal resolution of appreciation.*
- C. Receive Presentation on Progress of Bassett Creek Main Stem Restoration Project Through Wirth Park (2012CR-M) – INFORMATION ITEM no attachment – *Staff with the Minneapolis Park and Recreation Board will give a presentation on the near-completed restoration project, including restoration techniques, construction photos, and design changes/additions that occurred during the project.*

- D. Consider Proposal for Preparation of Feasibility Study for Bassett Creek Main Stem Restoration Project (2017CR-M) – ACTION ITEM with attachments – At their meeting in July, Commission staff reported that the City of Minneapolis planned to hire Barr Engineering to complete a feasibility study for the 2017 Main Stem Restoration Project in Minneapolis. At that meeting there was some discussion about the geographical extent of the project area. The attached proposal from Barr Engineering includes a base area with two additional optional areas to study. The City of Minneapolis requests that all three reaches be included in the feasibility study. Staff recommends this approach as well and also recommends approval of the agreement with the City of Minneapolis found in 5Dii for a cost not to exceed \$86,800.
- i. Discuss Proposal from Barr Engineering, Consultant for City of Minneapolis - attached
 - ii. Consider Approving Agreement with City of Minneapolis to Conduct Feasibility Study - attached
- E. Receive Update on 2015 Operating Budget Status – INFORMATION ITEM no attachment – The end of July marked the half way point for the Commission’s fiscal year (Feb 1 – Jan 31). (The [August financial report](#) reflects the Commission’s financial standing through July.) The Commission’s 2015 operating budget is looking healthy and staff projects ending the year under budget, overall. Staff will provide a verbal update at this meeting.
- F. Consider Agreement with Metropolitan Council for Reimbursement of BCWMC Expenses Related to Review of Blue Line LRT – ACTION ITEM with attachment – BCWMC staff worked with Metro Transit staff to develop an agreement for reimbursement of expenses incurred by the BCWMC related to review, coordination, and assistance with modeling for the Bottineau Blue Line LRT, including wetland review tasks under the Wetland Conservation Act (WCA). The [BCWMC’s review fee structure](#) allows for the BCWMC to charge developers for actual costs related to WCA work. The BCWMC is responsible for administering WCA in Robbinsdale. Additionally, the cities of Crystal, Golden Valley, and Minneapolis requested assistance from the BCWMC with WCA-related tasks for this project, which is also permitted within BCWMC policies. Aside from WCA tasks, the BCWMC fee structure does not accommodate large and complicated projects like this. In fact, aside from WCA activities, the BCWMC review fee would be a flat \$1,100. The Met Council has agreed to reimburse the BCWMC up to \$30,000 through this agreement to help recoup some of the costs of technical review and assistance with this project. The agreement is effective starting June 29, 2015. If the agreement is approved, BCWMC costs June 29th through August 28th totaling \$1,083 would be reimbursed along with future costs up to \$30,000.
- G. Consider Approval of 50% Plans for Northwood Lake Improvement Project (NL-1) – ACTION ITEM with attachments – At their meeting in August, the Commission entered into an agreement with the City of New Hope to design and construct the Northwood Lake Project. 50% design plans were submitted and the Commission Engineer’s summary of the project and recommendations are attached. A complete plan set is available online. A partial plan set is available in the printed meeting packet. Staff recommends that the Commission approve the 50% design plans with the recommendations in the memo and authorize the City of New Hope to proceed with final plans and contract documents.
- H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4) – ACTION ITEM with attachments - At their meeting in August, the Commission entered into an agreement with the City of Golden Valley to design and construct the Honeywell Pond Expansion Project. 50% design plans were submitted and the Commission Engineer’s summary of the project and recommendations are attached along with a memo from the city’s consultant (WSB) and a full plan set. Staff recommends that the Commission approve the 50% design plans with the recommendations in the memo and authorize the City of Golden Valley to proceed with final plans and contract documents.
- I. Receive Invitation for NEMO Workshop for Local Officials on Winter Maintenance & Use of Chlorides – INFORMATION ITEM with attachment – Staff recommends that Commissioners consider registering for and attending this free workshop which is partially funded by the BCWMC. Staff also requests assistance in inviting other local officials such as city council members and planning commission members to the workshop.

- J. Consider Volunteering at Golden Valley Arts and Music Festival – **INFORMATION ITEM no attachment** – *At this time two Commissioners have volunteered to assist with BCWMC informational display at the Golden Valley Arts and Music Festival on September 26th. Please let me know if you would like to volunteer for one of these shifts: Set up & first shift 8:30 – 11:00; second shift: 11:00 – 1:00; third shift & take down: 1:00 – 3:30. Thank you!*

6. COMMUNICATIONS

- A. Administrator's Report – **written report attached**
- Report on Clean Water Summit
 - Report on Recent BCWMC Education Activities
- B. Chair
- C. Commissioners
- D. TAC Members
- Report on September 8th Technical Advisory Committee Meeting – **no attachment** - *The TAC has no recommendations at this time. Although the TAC met on September 8th and had productive discussions on their agenda items (Channel Maintenance Fund policy, Channel Maintenance Fund request from Crystal, and the Roles & Responsibilities for Flood Control Project Rehab and Replacement) they require further discussion at a future meeting (likely on November 5th).*
 - Report on Restoration Order Issued on Sweeney Lake
- E. Committees
- F. Legal Counsel
- G. Engineer

7. INFORMATION ONLY (Information online only)

- CIP Project Update Chart
- Grant Tracking Summary and Spreadsheet
- The Future of Our Water Supply - League of Women Voters Event 9/24/15
- West Metro Water Alliance Meeting Minutes, July & August
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Bassett Creek Watershed Management Commission

Minutes of Regular Meeting July 16, 2015 Golden Valley City Hall, 8:30 a.m.

Commissioners and Staff Present:

Crystal	Commissioner Guy Mueller, Vice Chair	Robbinsdale	Alternate Commissioner Michael Scanlan
Golden Valley	Commissioner Stacy Hoschka, Treasurer	St. Louis Park	Commissioner Jim de Lambert, Chair
Medicine Lake	Commissioner Clint Carlson	Administrator	Laura Jester
Minneapolis	Commissioner Michael Welch	Attorney	Charlie LeFevere, Kennedy & Graven
Minnetonka	Commissioner Jacob Millner, Secretary	Engineer	Karen Chandler, Barr Engineering
New Hope	Alternate Commissioner Pat Crough		
Plymouth	Commissioner Ginny Black		

Technical Advisory Committee (TAC) Members/ Other Attendees Present:

Derek Asche, TAC, City of Plymouth	Richard McCoy, TAC, City of Robbinsdale
Erick Francis, TAC, City of St. Louis Park	Patrick Noon, Alternate Commissioner, City of St. Louis Park
Gary Holter, Alternate Commissioner, Medicine Lake	Jeff Oliver, TAC, City of Golden Valley
Chris Long, TAC, City of New Hope	John O'Toole, Medicine Lake Resident
Linda Loomis, Plan Steering Cmtte Chair	Liz Stout, TAC, City of Minnetonka
Jane McDonald Black, Alternate Commissioner, City of Golden Valley	David Tobelmann, Alternate Commissioner, City of Plymouth

1. CALL TO ORDER AND ROLL CALL

On Thursday, July 16, 2015, at 8:33 a.m. in the Council Conference room at Golden Valley City Hall, Chair de Lambert called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken [City of Minneapolis absent from roll call].

2. CITIZEN FORUM ON NON-AGENDA ITEMS

No items were raised.

3. AGENDA

Commissioner Black moved to approve the agenda as presented. Alternate Commissioner Crough seconded the motion. Upon a vote, the motion carried 8-0 [City of Minneapolis absent from vote].

4. CONSENT AGENDA

Commissioner Black requested the removal of item 4B – July Financial Report – from the Consent Agenda. Chair de Lambert said the item would become agenda item 5Ai. Commissioner Black moved to approve the Consent Agenda as amended. Commissioner Mueller seconded the motion. Upon a vote, the motion carried 8-0 [City of Minneapolis absent from vote].

[The following items were approved as part of the Consent Agenda: the June 18, 2015, Commission Meeting minutes, the payment of invoices, Approval to Reimburse the City of Golden Valley for the Bassett Creek Main Stem Restoration Project (CR2015).

The general and construction account balances reported in the Fiscal Year 2015 Financial Report prepared for the July 16, 2015, meeting are as follows:

Checking Account Balance	\$686,224.00
TOTAL GENERAL FUND BALANCE	\$686,224.00
TOTAL CASH & INVESTMENTS ON-HAND (7/08/15)	\$3,794,833.26
CIP Projects Levied – Budget Remaining	(\$4,015,111.53)
Closed Projects Remaining Balance	\$220,278.27
2012-2014 Anticipated Tax Levy Revenue	\$5,585.36
2015 Anticipated Tax Levy Revenue	\$495,084.26
Anticipated Closed Project Balance	\$280,391.35

5. BUSINESS

A.

i. July 2015 Financial Report

Commissioner Black remarked that it looks like the Commission has already spent year-to-date approximately \$486,000 of a \$490,000 budget. Administrator Jester pointed out that the section of the financial report that Commissioner Black is referring to is the revenues from city assessments, not expenditures. She added that next month the Commission will see the recent assessment payment received from the City of Medicine Lake reflected in that column. Commissioner Black moved to approve the July 2015 Financial Report as presented.

Alternate Commissioner Scanlan seconded the motion. Upon a vote, the motion carried 8-0 [City of Minneapolis absent from vote].

[Commissioner Welch, Minneapolis, arrives.]

A.

ii. Consider Resolution of Appreciation for Services of John O'Toole to the Bassett Creek Watershed Management Commission

Commissioner Black moved to adopt the Resolution of Appreciation for Services of John O'Toole to the Bassett Creek Watershed Management Commission. Commissioner Welch seconded the motion Commissioners and Mr. O'Toole offered comments. Upon a vote, the motion carried 9-0.

B. Review Evaluations of Two Past CIP Projects by MN Department of Natural Resources and MN Board of Water and Soil Resources

Administrator Jester explained that in 2011 the state legislature directed the Minnesota Department of Natural Resources (DNR) and the Minnesota Board of Water and Soil Resources (BWSR) to start evaluating restoration projects that were completed under the Clean Water Land and Legacy Funds. She said that the Commission had two projects that were partially funded by those funds in 2010: a Bassett Creek Main Stem Restoration project and a Plymouth Creek Restoration project.

Administrator Jester reported that in October 2013 she was contacted by Wade Johnson of the DNR, the project manager of this evaluation program. She explained that Mr. Johnson and another DNR staff member came out and looked at the projects. She said that she and City staff accompanied the DNR staff on the project sites visit. Administrator Jester explained that the DNR staff completed evaluation forms, but the BCWMC did not receive a copy of them until January 2015.

Administrator Jester stated that there were concerns about the outcomes of the evaluations, so BCWMC and City staff met with DNR and BWSR staff to go through the evaluations. She said there was great two-way discussion and the DNR and BWSR staff learned about more about limitations of working in urban areas and City staff, the Commission Engineer, and Administrator learned about things that the DNR and BWSR hope for in future projects.

Administrator Jester said that the project evaluations were revised and the final evaluations are included in today's meeting packet. She noted that the evaluations will go into a report to the Evaluations Panel in September and then a final report will go to the state legislature. She noted that BCWMC staff learned that the Commission should involve state agencies earlier in the CIP process to hear about the agencies' desired outcomes of the projects. Administrator Jester emphasized that the evaluation is not a punitive action and instead its goal is to make future projects better. Administrator Jester said that a takeaway for the Commission is that it needs to get project information to the right agency staff people earlier in the process and now that is staff's plan. She said that no action by the Board is required.

Commissioner Mueller commented that he sees two issues raised by the evaluation: first, how can future projects be designed better and second, how to ensure that during project construction the contractors follow the plans and specifications. Mr. Asche pointed out that regarding the rock vane described in the evaluation, the City of Plymouth knows it was installed correctly but over time moved out of place. He said that the City sees that as a long-term maintenance issue. Mr. Asche stated that the project was a very successful project and

meets a lot of the Commission's and City's goals, including flood protection, and that the effectiveness of the project is very high.

Commissioner Black remarked she thinks the Commission's Technical Advisory Committee (TAC) should discuss whether the Commission's process and procedures could be modified in light of the evaluation report and if so, how.

There was discussion about the evaluation criteria and the objectives that the projects were measured against. Commissioner Welch commented that he found this evaluation disturbing and asked if Engineer Chandler had takeaways from the evaluation and the meeting with the evaluators. Engineer Chandler said that there is not a lot of public land available for use in the BCWMC projects and because there is so much work in this type of constrained area, the projects have to utilize more structure in its projects. She also said that in order to affect change, the input such as provided by the DNR needs to happen earlier in the project.

Commissioner Welch said the evaluation brings up points such as incorrect installation, instability, the BCWMC should consider alternative methods that would have been constructed with appropriate geomorphology, and alternatives that work with natural stream processes rather than against them. He said that some of these points echo things he heard years ago from the Commission's Engineer. Commissioner Welch said that the Commission could have done something if the Commission had accountability in place for the constructed project matching the project plans the Commission approved. He said that this issue absolutely should go to the TAC, and he would like to hear what the TAC would like to do about this. He would like to know if the TAC thinks the Commission is setting the right objectives for the projects. Commissioner Welch agreed with the idea of getting agency input early on in the project process, but he said that in his experience it seems that agency staff may not have time to provide that input.

There was discussion about stormwater drainage and runoff in urban and developed areas, flood protection goals and initiatives, how urban streams are subject to unnatural conditions, and the need to be able to construct solutions that work with streams that are subject to unnatural conditions. There was discussion about the Plymouth Creek's project's beneficial results for Medicine Lake and how future Watershed Outlet Monitoring Program (WOMP) data should start indicating those positive results.

There was discussion about the positive outcomes of both evaluated projects, positive features of the projects that were not included in the evaluation report, the learning that the Commission can take away from the evaluation report, the possible additional project costs and additional time that would be incurred by involving state agency review into the Commission's project process timeline, how the Commission can learn in advance what state agency objectives the projects will be measured against, and what next steps the Commission could take, if any. Upon hearing many recommendations that the issue be sent to the TAC for discussion, Chair de Lambert directed the TAC to discuss the evaluation report and its implications for the Commission.

C. Discuss Development of Feasibility Studies for 2017 CIP Projects

Administrator Jester explained that the Commission needs to move forward with ordering feasibility studies for the two 2017 CIP projects, which will start in 2017 and will span two years. She reported that the City of Minneapolis is hiring Barr Engineering to do the feasibility study for the Main Stem Channel Restoration project. Administrator Jester stated that the City of Minneapolis will review Barr Engineering's proposal for the feasibility study and then the proposal will come to the Commission for review at its August meeting at which time the Commission would consider entering into an agreement with the City of Minneapolis for the project.

Administrator Jester announced that the City of Plymouth requests that the Commission direct the feasibility

study for the Plymouth Creek restoration project instead of the Commission entering into an agreement with the City of Plymouth for the feasibility study. She explained that the Commission needs to consider if it wants to direct the feasibility study, and if it does, how to do so. She described three ways that the Commission could direct the feasibility study.

Administrator Jester recommended that the Commission handle authorize the Commission Engineer to do the feasibility study for the Plymouth Creek project.

There was discussion on how the Commission has done feasibility studies in the past. Commissioner Black noted that by streamlining the feasibility study process by having the Commission Engineer do the study, the step of having the Commission Engineer review is removed, which limits the amount of input about that study that the Commission is providing. She wondered if the Commission would want to address that limitation by getting an outside evaluation of the feasibility study. There was discussion on how such an evaluation could be cost effective.

Commissioner Welch noted that the Redevelopment Oversight Committee has been a working organization for many years and if it is still in operation it would need to be included in the public process for the Minneapolis project.

Alternate Commissioner Scanlan moved to have the Commission Engineer do the feasibility study for the Plymouth Creek project. Alternate Commissioner Crough seconded the motion.

Mr. Oliver commented that he is very comfortable with this direction, that the Commission built the flood control project using this model, and that the Commission has been very successful using this model. There was discussion about where in the project process the Commission will have the opportunity to review the draft feasibility report, approve the report, and review the draft plans. Mr. LeFevere pointed out that the Commission doesn't need to make a decision today about having a peer review of the feasibility study or the scope of the review.

Commissioner Welch moved to amend the motion on the table to include that the Commission will solicit input from the DNR at the appropriate time. Commissioner Black seconded the motion to amend. Upon a vote, the motion carried 9-0.

There was a short discussion on getting DNR input. Chair de Lambert called for a vote on the amended motion. Upon a vote, the motion carried 9-0.

D. Consider Approval of Recommendations from Technical Advisory Committee

Mr. Eckman introduced the project, described how previous Commission comments on the plans have been addressed, and talked about communicating with homeowners about the project. He reported that two construction access points are still needed, but staff feels confident that it will obtain these. Mr. Eckman provided more details on the project.

Upon a vote, the motion carried 7-0 [City of Minnetonka absent from vote. City of Minneapolis abstained from vote].

E. Consider Applying for Clean Water Fund Grant

Engineer Chandler

Upon a vote, the motion carried 7-0 [City of Minnetonka absent from vote. City of Plymouth abstained from vote].

F. Receive Update on XP-SWMM Progress and Funding

Administrator Jester

G. Receive Update on Blue Line LRT Project

Administrator Jester announced that

H. Consider Reviewing and Providing Feedback on Hennepin County Draft Natural Resources Strategic Plan

6. COMMUNICATIONS

A. Administrator:

- i. Administrator Jester announced that a detailed work plan for grant is due August 20. She said that she is working with the Minnesota Pollution Control Agency on the grant application. She asked for direction from staff on whether it wants to see the work plan at the BCWMC's August 20 meeting. The Board directed Ms. Jester to complete the work plan and include it in the August 20 meeting packet as an informational item. Administrator Jester said that the Commission can provide feedback on the work plan. Chair de Lambert volunteered to review the work plan before it is included in the August 20th meeting packet.
- ii. Administrator Jester announced the dates that she would be out of the office.
- iii. Administrator Jester reported that she did an interview yesterday with Channel 12 about the Schaper Pond project.
- iv. Administrator Jester stated that two important meetings will be held on August 4th, including the meeting of the Hennepin County Energy, Environment, and Committee and the Minnesota Board of Water and Soil Resources Committee. She described who would be attending these meetings on behalf of the Commission and the Commission's topics being addressed at each of the meetings.

B. Chair: No Chair Communications

C. Commissioners: No Commissioner Communications

D. TAC Members: No TAC Communications

E. Committees:

- i. Administrator Jester distributed copies of the draft design of the BCWMC's redesigned website.

F. Legal Counsel:

- i. Mr. LeFevere thanked the attendees of his retirement party held by Kennedy & Graven in his honor and noted his schedule for upcoming BCWMC meetings.

G. Engineer:

- i. Engineer Chandler talked about sediment accumulation in an area in Theodore Wirth Park.
- ii. Engineer Chandler reported on a rare plant discovered in Westwood Lake.
- iii. Engineer Chandler announced that on August 6th from 10 a.m. – 11:30 a.m. there is a webinar on

Clean Water grants.

- iv. Engineer Chandler said that BWSR will be sending out details about its public information sessions on the new 8010 Rules and that Barr Engineering will be hosting one of the sessions.

7. INFORMATION ONLY (Available at <http://www.bassettcreekwmo.org/Meetings/2015/2015-July/2015JulyMeetingPacket.htm>)

- A. CIP Project Update Chart
- B. Grant Tracking Summary and Spreadsheet

8. ADJOURNMENT

Chair de Lambert adjourned the meeting at 11:12 a.m.

Recorder

Date

Secretary

Date



Bassett Creek Watershed Management Commission

Minutes of Regular Meeting August 20, 2015 Golden Valley City Hall, 8:30 a.m.

Commissioners and Staff Present:

Crystal	Commissioner Guy Mueller, Vice Chair	Robbinsdale	Commissioner Wayne Sicora
Golden Valley	Commissioner Stacy Hoschka, Treasurer Alternate Commissioner Jane McDonald Black	St. Louis Park	Commissioner Jim de Lambert, Chair
Medicine Lake	Commissioner Clint Carlson	Administrator	Laura Jester
Minneapolis	Commissioner Michael Welch Alternate Commissioner Lisa Goddard	Attorney	Charlie LeFevere, Kennedy & Graven
Minnetonka	Commissioner Jacob Millner, Secretary		Troy Gilchrist, Kennedy & Graven
New Hope	Alternate Commissioner Pat Crough	Engineer	Karen Chandler, Barr Engineering
Plymouth	Commissioner Ginny Black		

Technical Advisory Committee (TAC) Members/ Other Attendees Present:

Derek Asche, TAC, City of Plymouth	Dave Stack, Friends of Bassett Creek
Erick Francis, TAC, City of St. Louis Park	Mark Ray, TAC, City of Crystal
Richard McCoy, TAC, City of Robbinsdale	Charles Schmidt, New Hope Resident
Jeff Oliver, TAC, City of Golden Valley	Liz Stout, TAC, City of Minnetonka
Bob Paschke, TAC, City of New Hope	David Tobelmann, Alternate Commissioner, City of Plymouth
Michael Scanlan, Alternate Commissioner, City of Robbinsdale	

1. CALL TO ORDER AND ROLL CALL

On Thursday, August 20, 2015, at 8:34 a.m. in the Council Conference room at Golden Valley City Hall, Chair de Lambert called to order the meeting of the Bassett Creek Watershed Management Commission (BCWMC) and asked for roll call to be taken [City of Minnetonka absent from roll call].

2. CITIZEN FORUM ON NON-AGENDA ITEMS

Dave Stack of the Friends of Bassett Creek requested that the Commission revisit the issue of creek restoration along the stretch of Bassett Creek along the Fruen Mill area. Commissioner Welch responded that the Commission will be talking about this area at the Commission's September meeting. Administrator Jester said that at the BCWMC's September meeting, the Commission anticipates reviewing a proposal by Barr Engineering Company for the City of Minneapolis for the streambank restoration project feasibility study. She said that now is the time to bring up discussion of inclusion of the Fruen Mill stretch in the project. She noted that at the September meeting the Commission will be getting an update from the City of Minneapolis or the Minneapolis Park and Recreation Board regarding the current restoration project through Wirth Park. She encouraged Mr. Stack to attend the Commission's September meeting to provide input. Commissioner Welch encouraged the Commission to check out the Friends of Bassett Creek listserv.

[Commissioner Millner, City of Minnetonka, arrived].

Charles Schmidt raised an issue regarding a steep ravine behind Winnetka Village in Crystal that drains into a pond and carries debris into the pond. He noted that he brought up this issue to this group one year ago, and he is wondering if there is anything planned to address the erosion in the ravine and any plans to dredge the pond. Mr. Ray of the City of Crystal said that there are not any plans to dredge that pond at this time and the City is looking at creating a method for evaluating pond dredging needs. Administrator Jester stated that she will follow up with Crystal City staff to see if there is any role for the Commission in stabilizing that ravine and sediment.

3. AGENDA

Commissioner Welch moved to approve the agenda as presented. Commissioner Millner seconded the motion. Upon a vote, the motion carried 9-0.

4. CONSENT AGENDA

Alternate Commissioner Goddard requested the removal of item 4A – July 16, 2015, Commission Meeting Minutes – and item 4F – Approval of Golden Villas Apartments Project– from the Consent Agenda. Chair de Lambert said the items would become agenda item 6Ai and 6Aii. Commissioner Black moved to approve the Consent Agenda as amended. Commissioner Millner seconded the motion. Upon a vote, the motion carried 8-0 [City of Plymouth abstained from vote].

[The following items were approved as part of the Consent Agenda: the August 2015 financial report, the payment of invoices, Approval of BCWMC 2016 Operating Budget, and Approval to Set Technical Advisory Meeting for September 8, 2015.]

The general and construction account balances reported in the Fiscal Year 2015 Financial Report prepared for the August 20, 2015, meeting are as follows:

Checking Account Balance	\$663,513.06
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TOTAL GENERAL FUND BALANCE	\$663,513.06
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TOTAL CASH & INVESTMENTS ON-HAND (8/12/15)	\$3,867,624.00
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CIP Projects Levied – Budget Remaining	(\$4,015,111.53)
Closed Projects Remaining Balance	\$147,487.53
2012-2014 Anticipated Tax Levy Revenue	\$5,585.36
2015 Anticipated Tax Levy Revenue	\$495,084.26
Anticipated Closed Project Balance	\$353,182.09

5. PUBLIC HEARING

A. Receive Comments from Member Cities and Public on Proposed 2016 Capital Improvement Program (CIP) Projects: Northwood Lake Improvement Project (NL-1) and Honeywell Pond Expansion Project (BC-4)

Chair de Lambert opened the public hearing. Administrator Jester provided background on the Commission's process to add these projects to the BCWMC's CIP. She reminded the Commission that in order to approve the projects, the BCWMC needs to hold a public hearing on the projects. She briefly described the projects and their feasibility studies.

Commissioner Mueller asked about the items included in the proposed maintenance of the Honeywell Pond Expansion Project and the estimated maintenance cost of \$3,000. Mr. Oliver described the proposed maintenance that includes vegetation maintenance, pumping, and general maintenance but does not include dredging of the pond. Commissioner Tobelmann asked about the process for funding the projects and what happens in the event of a project being under budget. Administrator Jester described that the BCWMC would receive the \$75,000 grant from the Minnesota Pollution Control Agency for the Northwood Lake Project and how the cities would invoice the Commission and the Commission would reimburse the cities for actual project costs after an approved reimbursement request. She noted that the agreements (to be considered later in the meeting) do not address the procedure to be followed in the case that the project is completed under budget.

Mr. Stack asked how the dredged materials from the Honeywell Pond will be disposed. Mr. Oliver said that the City will test the materials and will dispose of them properly. Commissioner Sicora said that the MPCA recently revised its guidelines associated with cleaning out ponds so the process is prescribed and the guidelines are available publically.

Chair de Lambert called for additional comments. Upon hearing none, he closed the public hearing.

6. BUSINESS

A.

i. July 16, 2015, Meeting Minutes (Removed from Consent Agenda)

Alternate Commissioner Goddard requested more detail in the minutes under item 5Ai. regarding Commissioner Black's question about the financial report's line item "Other General Fund

Revenues.” Chair de Lambert directed staff to revise the July 16th meeting minutes and present them as part of the Consent Agenda at next month’s meeting.

ii. Approval of Golden Villas Apartments Project, Golden Valley (Removed from Consent Agenda)

Alternate Commissioner Goddard pointed out that the NPDES permit requires that exposed soil areas must be stabilized as soon as possible and by seven days after construction has temporarily or permanently ceased in certain cases. She said that the Engineer’s memo states that the areas must be stabilized no later than 14 days after construction. Alternate Commission Goddard stated that she does not want the Commission to advocate that others put something into their plans that contradicts the NPDES permit. Commissioner Black moved to approve the project with the conditions in the Engineer’s memo revised as requested by Commissioner Goddard. Commissioner Welch seconded the motion. Upon a vote, the motion carried 9-0. Commissioner Welch he asked if the Commission revised its Requirements such that projects that fall below the NPDES still will be analyzed by the Commission. Engineer Chandler said that she would check.

iii. Resolution of Appreciation for Charlie LeFevere and Introduction of New Legal Counsel for BCWMC

Chair de Lambert read aloud the Resolution of Appreciation for Services of Charlie LeFevere to the Bassett Creek Watershed Management Commission. Commissioners and Mr. LeFevere offered comments. Mr. LeFevere introduced Troy Gilchrist of Kennedy & Graven, who will be serving as the primary legal counsel for the Commission. Commissioner Black moved to adopt the resolution. Commissioner Welch seconded the motion. Upon a vote, the motion carried 9-0.

B. Consider Approval of Resolution Ordering 2016 Improvements

Administrator Jester described resolution and stated that the levy request contained therein is for \$1,222,000, which is less than the maximum levy request of \$1,250,000 that the Commission approved last month due to refined project cost estimates. Administrator Jester summarized the resolution and explained that it orders the improvements, certifies the costs to Hennepin County, and approves the three agreements for the projects:

- Cooperative Agreement with the City of New Hope for the Northwood Lake Improvement Project;
- Sub-Grant Agreement with the City of New Hope for the Northwood Lake Improvement Project; and,
- Cooperative Agreement with the City of Golden Valley for the Honeywell Pond Expansion Project.

Administrator Jester pointed out that next year the Commission will request for collection in 2017 \$411,000 to complete the Northwood Lake project.

There was discussion about adding clarifying language to the agreements about how funds would be handled in the case of projects being completed under budget. Attorney LeFevere and Attorney Gilchrist said that they could work on drafting language to present to the Commission later in the meeting. Commissioner Welch stated that he would like language included in the Cooperative Agreements to reflect that a final report on the project is required by the Commission at the conclusion of each project. The Commission indicated consent to the addition of the provision in the agreements. Commissioner Welch remarked that he thinks it is good practice to vote on resolutions by roll call vote and to record the vote on the resolutions. The Commission indicated consent with this suggestion. Chair de Lambert tabled discussion of this item until later in the meeting.

C. Consider Approval of Proposal for Preparation of Feasibility Study for Plymouth Creek Restoration Project (2017CR-P)

Engineer Chandler pointed out that there is a memo on this item in the meeting packet and that a revised cost estimate has been handed out today. She said that the cost estimate revisions are due to the new information that there is a high likelihood that there are wetlands along this reach of the creek. She explained that the revised cost estimate includes the cost of the wetland delineation. Engineer Chandler pointed out that the proposal includes an optional Phase I soil contamination investigation. She explained that it is not required, but that the engineer recommends it and recommends doing it either now during the feasibility stage or early in the design process.

Engineer Chandler talked about the reach of the creek included in the project, noting that it is upstream of the previous Plymouth Creek restoration project and lies on both sides of the Fernbrook Lane culvert collapse area. She announced that the cultural resource study needs to be done for the part of the reach that was not included in the BCWMC's Resource Management Plan. She summarized the proposal and what the feasibility study would include. Engineer Chandler added that the proposal does include budget for public involvement as well as Commission involvement with the U.S. Army Corps of Engineers, and the MDNR, and presentation of the draft report to the Commission.

Engineer Chandler stated that the cost estimate for the feasibility study is \$56,000 without including the Phase I soil contamination investigation or \$63,000 including the Phase I investigation. Engineer Chandler fielded questions. Mr. Asche asked for specifics on the public involvement process and budgeted number of public meetings, the number of meetings with the agencies included in the budget, and when the meetings should be held. Engineer Chandler said that the budget should cover two public meetings and two meetings with the agencies. There was discussion about timing of the meetings. Engineer Chandler recommended holding the first public meeting after the first meeting with the agencies but during the feasibility study stage and before design. Commissioner Welch recommended that the further public input should be gathered through a second public meeting before the Commission approves the feasibility study.

There was further discussion about the location of this project in relation to other Commission projects completed in Plymouth.

Commissioner Welch commented that he thinks now is a great time to do the Phase I investigation, but he commented that the proposed \$7,000 cost is pretty expensive for a Phase 1 investigation. He asked what Barr is proposing to include with the Phase I study and if it would be a more extensive investigation than a basic Phase I. Engineer Chandler said that she can find out more information about it.

She asked if the presentation of the feasibility study to the Commission would be done by the Commission Engineer or other Barr staff. Engineer Chandler said that she likely would have the Barr staff member that worked on the report come in and present the report. Commissioners Black and Tobelmann asked to be invited to the meetings with the agencies.

Mr. Asche asked for more information on how this project fits in with the BCWMC's Resource Management Plan (RMP). Engineer Chandler gave background on the RMP and described how it acts like a preliminary permit approval tool. Mr. Asche asked how much investigation into alternatives should be included in the feasibility studies since it feels like for the stream projects alternatives are limited. Engineer Chandler agreed that for stream projects there are fewer options to consider but the goal is to make sure nothing is missed. Mr.

Asche asked if the ENVISION tool is a tool that can be used to evaluate future projects, although he noted that he isn't interested in using it for the Plymouth Creek stream restoration project.

Administrator Jester responded that the ENVISION tool is a great tool but expensive and not necessarily the right tool for every case. There was discussion about for what projects ENVISION could be useful.

Commissioner Black moved to order the preparation of the feasibility study with the inclusion of the Phase I investigation. Commissioner Welch seconded the motion with the friendly amendment that the Engineer brings back to the Commission more information about the Phase I investigation. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote.]

B. Consider Approval of Resolution Ordering 2016 Improvements-Continued

Attorney Gilchrist stated that he and Attorney LeFevere propose two additions to the Cooperative Agreements in front of the Commission today. He read aloud the first proposed addition to include at the bottom of section 6 of the Cooperative Agreement with the City of New Hope for the Northwood Lake Improvement Project: "If the total actual cost of the project is less than the total estimated cost, the City shall remain responsible for its entire contribution toward the project, and the amount of the Commission's reimbursement to the City shall be reduced by the amount of savings on the project."

Attorney Gilchrist read aloud the second proposed addition to include in both the Cooperative Agreement with the City of New Hope and the Cooperative Agreement with the City of Golden Valley to add at the bottom of the second paragraph in section 5: "The City shall complete and submit with its final reimbursement request to the Commission a final report on the project using the Commission's final reporting form and providing such other information as may be requested by the Commission."

Attorney Gilchrist pointed out that language authorizing the Chair and Secretary to execute the agreement on behalf of the agreement is already included in the Cooperative Agreement. Attorney Gilchrist and Attorney LeFevere clarified that both proposed new language insertions should be included on the Cooperative Agreement with the City of New Hope for the Northwood Lake Improvement Project (NL-1) and just the language insertion about the final report submission be added to the Cooperative Agreement with the City of Golden Valley for the Honeywell Pond expansion.

Commissioner Black moved to approve the proposed amendments to the Cooperative Agreements as specified by Attorney Gilchrist and Attorney LeFevere. Commissioner Millner seconded the motion. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote. Alternate Commissioner McDonald Black voted for City of Golden Valley].

Commissioner Black moved to approve the Resolution Ordering 2016 Improvements, Designating Members Responsible for Construction, Making Findings Pursuant to Minnesota Statutes Section 103B.251, Certifying Costs to Hennepin County, and Approving Agreements for Construction of Improvements. Commissioner Welch seconded the motion. By call of roll, the motion carried 8-0 [Commissioner Crough absent from vote.]

Commissioner	City	Ay	Nay
Mueller	Crystal	X	
McDonald Black	Golden Valley	X	

Carlson	Medicine Lake	X	
Welch	Minneapolis	X	
Millner	Minnetonka	X	
Black	Plymouth	X	
Sicora	Robbinsdale	X	
de Lambert	St. Louis Park	X	

D. Items Related to 2015-2025 BCWMC Watershed Management Plan

i. Receive Update on Presentation of Watershed Plan to BWSR Metro Region Committee

Chair de Lambert updated the Commission on the recent presentation of the Watershed Plan to the Minnesota Board of Water and Soil Resources (BWSR) Metro Region Committee. He reported that Commissioner Mueller presented a summary of the plan to the Committee and it was well received. Chair de Lambert asked if the PowerPoint presentation that summarizes the plan is posted on the Commission's website. Administrator Jester said that staff can get it posted.

ii. Consider Approval of Response to Comments from 90-Day Review of Draft Watershed Management Plan

Administrator Jester reported that the BCWMC received comments from the MN Department of Agriculture, MnDOT, and the City of Minneapolis during the draft Plan's 90-day review period. She said that the comments from those entities and the draft response to comments are in the meeting packet. Administrator Jester explained that the Commission does not need to respond in writing to these comments like the Commission needed to for the 60-day comments; however, the Commission needs to address the 90-day comments.

Administrator Jester reviewed the comments received and how staff proposes to address them. She summarized the comments received from the City of Minneapolis. She explained that staff spoke with Lois Eberhart about staff's proposed response to comments and reported that Ms. Eberhart is fine with the proposed response to comments.

Administrator Jester said that any of these comments and responses can be discussed today, and she went through the highlighted comments and responses included in the table in the meeting packet. Regarding comment No. 6, Commissioner Welch recommended that the draft response be modified to include the phrase "Commission-approved" so that the response reads, "... or Commission-approved alternative."

Engineer Chandler said that during a preliminary discussion with the Southwest Light Rail Transit (SWLRT) staff the topic came up regarding potential changes to the connection to the New Tunnel. She said that she realized that the Joint and Cooperative Agreement between the Mississippi Watershed Management Organization (WMO), Bassett Creek, and the City of Minneapolis isn't in the BCWMC's Watershed Management Plan appendices. She said that it will be added to the plan's appendices as Appendix I. Engineer Chandler also presented the additional recommended revisions to the draft plan in order to thoroughly address the Joint and Cooperative Agreement. She went through the revisions to

Section 2.8.1, Section 5.1.1.3, and Appendix H. Commissioner Tobelmann asked if the word “generally” needs to be included in the proposed additional language for Section 2.8.1. Engineer Chandler said the word can be removed. Commissioner Welch asked if all the language is reflective of the original agreement. Engineer Chandler responded yes.

Commissioner Welch moved to approve the addition of the proposed language about the Joint and Cooperative Agreement to the plan with the revision to remove the word “generally” as mentioned by Commissioner Tobelmann. Commissioner Black seconded the motion. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote. Commissioner Hoschka voted for City of Golden Valley].

Commissioner Black moved to approve the responses to comments and to authorize staff to amend the plan to reflect the responses. Commissioner Mueller seconded the motion. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote. Commissioner Hoschka voted for City of Golden Valley].

[Commissioner Welch departed the meeting. Alternate Commissioner Goddard assumed representation for the City of Minneapolis.]

E. Consider Approval of Clean Water Fund Grant Application for Northwood Lake Improvement Project

Administrator Jester announced that at the Commission’s previous meeting it directed staff to prepare this grant application for funds up to \$500,000. She presented the application and recommended that the BCWMC request \$400,000, which would still cover 50% of construction costs.

Commissioner Black moved to approve the grant application with the \$400,000 funding request and authorizing staff to edit the application as needed prior to submission. Commissioner Mueller seconded the motion. Commissioner Tobelmann said he would provide some comments to Administrator Jester regarding some of the wording. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote. Alternate Commissioner McDonald Black voted for City of Golden Valley].

F. Consider Approval of Grant Application for MDNR Flood Reduction Program Funds

Engineer Chandler reminded the Commission that due to the special legislation passed in June, \$500,000 in general funds became available for the flood reduction program. She reported that DNR staff is still trying to figure out if any of those funds are still available. Engineer Chandler explained that if funds remain, DNR staff would like the opportunity to help fund the BCMWC’s XP-SWMM work. She said that the DNR recommended that the BCWMC submit a grant application for those funds. She said the grant application is in front of the Commission today for discussion.

Engineer Chandler went through the information in the grant application, explaining that the BCWMC proposed that funds cover XP-SWMM work in the BCMWC’s next fiscal year. She said that she needs to make one correction to the table so that it correctly reflects the estimated project cost of \$261,000. Engineer Chandler explained that in the application she named Administrator Jester as the Authorized Agent, who is the one who can sign the grant on behalf of the Commission through the State’s SWIFT program, and she named herself as the contact person. The Commission indicated consent to naming Administrator Jester the Authorized Agent and Engineer Chandler as the contact.

Commissioner Mueller moved to approve submitting the application. Alternate Commissioner Goddard seconded the motion. Commissioner Black remarked that she is not in favor of the XP-SWMM project but is in favor of finding funding for it, so she will support this grant application. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote. Commissioner Hoschka voted for City of Golden Valley].

G. Consider Submitting Comments on Metro Chloride TMDL

Engineer Chandler reported that comments on the draft Metro Chloride TMDL are due September 2. She stated that Greg Wilson of Barr Engineering reviewed the draft TMDL. She provided an overview of the TMDL and presented staff comments. Administrator Jester remarked that member cities should provide comments on the TMDL, too. Commissioner Black moved to approve staff's letter and comments.

Commissioner Mueller seconded the motion. Upon a vote, the motion carried 8-0 [Commissioner Crough absent from vote. Commissioner Hoschka voted for City of Golden Valley].

H. Receive Information on Tasks Related to XP-SWMM Phase II Project

Engineer Chandler updated the Commission on XP-SWMM work including the additions and upcoming additions to the model such as soil data, information from important connecting storm sewers, ponding storage information, and ensuring that the same vertical data is being used throughout the watershed in the model. She mentioned adding Atlas 14 precipitation data and the new storm distribution information. Mr. Asche asked about the mention in the Engineer's memo of the phrase, "...absolute water surface elevations and flow rates." Engineer Chandler said that the use of the word absolute is in contrast with the word "relative," but the certainty of the model won't be known until model calibration. Commissioner Hoschka asked detailed questions about collecting and running storm data. She recommended that the TAC members highlight on a map the areas that were flooded during and after the June 2014 storm. She recommended that Engineer Chandler collect such information from the TAC.

Mr. Asche pointed out that this XP-SWMM work was approved in April, but the Commission is receiving today the detailed memo about how the XP-SWMM is going to come together. He remarked that he thinks there is a need for the proposals to come in front of the Commission before the Commission authorizes projects. He said that it is important for non-CIP work to follow a process in the same fashion that the CIP projects follow a process.

I. Receive Work Plan for Clean Water Partnership Grant for Northwood Lake Improvement Project

Administrator Jester stated that this is an information-only item. She reminded the Commission that it was awarded a \$300,000 grant for the Northwood Lake Improvement Project and as part of this grant, the BCWMC needed to submit a detailed project work plan, budget, and Gantt chart. Administrator Jester reported that she, the City of New Hope staff, and the MPCA project manager developed this work plan with some assistance from Barr Engineering staff regarding water quality monitoring.

J. Review Information on BCWMC Facebook Page

Amy Herbert reported that Administrator Jester authorized her to set up a public Facebook page for the BCWMC in order for the Commission to consider using Facebook as a public communication tool. She noted that eight of the nine BCWMC member cities have a Facebook page for communicating with residents. She noted that Facebook is a popular social media tool with adults and would be a way for the BCWMC to amplify its outreach. Ms. Herbert reminded the Commission that it will be launching its redesigned website this year, which will contain more news and updates than the current website, and that a Facebook page goes hand-in-hand with the new site and content. Ms. Herbert recommended posting content on Facebook daily, and she responded to questions. The Commission raised concerns about staff time involved in maintaining the page, the cost of staff time, site security especially regarding comments that others might post to the site, and the frequency of posts to the page. Alternate Commissioner Crough stated that he thought posting two times a week would be enough. Attorney LeFevere commented that if the Commission posted daily, he would "unfriend" the Commission. Administrator Jester recommended that this issue go to the Education Committee

to discuss and bring an update to the Commission at its next meeting. She said that staff will record its time spent specifically on the Facebook tasks and will check with other water organizations regarding the staff time spent, the frequency of their posts, and other issues about maintaining a Facebook page.

[Alternate Commissioner Goddard departed the meeting.]

7. COMMUNICATIONS

A. Administrator:

- i. Administrator Jester announced that the West Metro Water Alliance (WMWA), which the BCWMC supports financially and through the Administrator's time spent working with WMWA, will be at the Minnesota State Fair through Blue Thumb at the Eco Experience. She reminded the Commission that WMWA is the education arm of several different watershed organizations. She reported that WMWA is paying Blue Thumb to develop a new campaign and the campaign being developed is "10,000 Plantings for our 10,000 Lakes" to try and get people involved in planting native plants for clean water and pollinators.
- ii. Administrator Jester stated that the BCWMC will need volunteers for its booth at the Golden Valley Art and Music Festival on September 26. The Commission discussed participating in the festival's parade and decided not to participate in the parade due to lack of volunteers.

B. Chair:

- i. Chair de Lambert reported on the Hennepin County Budget and Capital Investment Committee regarding the BCMWC's CIP request for next year. He said that the Committee immediately approved the request by vote 6-1 with no questions about the proposed 2016 projects.

C. Commissioners:

- i. Commissioner Black reminded the Commission that previously she reported that the City of Plymouth budgeted no funds for curlyleaf pondweed treatment for Medicine Lake for 2016 and that she would ask the Plymouth City Council to consider adding to its 2016 budget \$40,000 for curlyleaf pondweed treatment. She reported that the City Council preliminarily voted to approve including \$30,000 for curlyleaf pondweed treatment in 2016 but the Council does not finalize its budget until December. Commissioner Black stated that the City Council made no guarantee for any curlyleaf pondweed funding in 2017.
- ii. Commissioner Tobelmann provided an update on the NEMO Workshop on the Water.

D. TAC Members: No TAC Communications

E. Committees: No Committee Communications

F. Legal Counsel: No Legal Communications

G. Engineer:

- i. Engineer Chandler reminded the Commission that the Westwood Lake plant viewing is Monday, August 24 at 10:30 a.m. and that Commission members interested in attending should let her or Administrator Jester know.
- ii. Engineer Chandler announced that Barr Engineering Company is hosting the second of BWSR's presentation of the 8410 Rules on Thursday, August 27 from 1:30 p.m. -3:00 p.m. and that people

interested in attending need to RSVP by tomorrow.

- iii. Engineer Chandler reported that the SWLRT is proposing a significant change to the New Tunnel so the Commission Engineer will review the proposal. She said it is unclear as to the level of work that will be required for the review because it depends on whether the Commission will need to do modeling or will be using existing modeling.
- iv. Engineer Chandler stated that the City of Minneapolis issued a Request for Proposals for performing hydrologic and hydraulic modeling on a large section of north Minneapolis. She said that 1,700 acres of the project includes the Bassett Creek watershed. Engineer Chandler noted that she is not involved in the Barr Engineering proposal for this work and Barr Engineering has not been selected for the project at this point but she is mentioning this in case the Commission has any concerns. She said that she has also informed the BCWMC's Minneapolis TAC representative about this proposal. Chair de Lambert asked if this modeling work could result in cost savings to the Commission with its XP-SWMM model. Engineer Chandler said that this would need to be talked about should Barr Engineering be selected for the work.

8. INFORMATION ONLY (Available at <http://www.bassettcreekwmo.org/Meetings/2015/2015-August/2015AugustMeetingPacket.htm>)

- A. CIP Project Update Chart
- B. Grant Tracking Summary and Spreadsheet
- C. Channel 12 Interview on Schaper Pond Diversion Project
- D. Hennepin County Green Partners Environmental Education Grant Program
- E. Mississippi WMO Stormwater Park & Learning Center Grand Opening 9/19/15

9. ADJOURNMENT

Chair de Lambert adjourned the meeting at 11:31 a.m.

Recorder Date

Secretary Date

Bassett Creek Watershed Management Commission General Account
 General Fund (Administration) Financial Report
 Fiscal Year: February 1, 2015 through January 31, 2016
 MEETING DATE: September 17, 2015

Item 4C. BCWMC 9-17-15

BEGINNING BALANCE	12-Aug-15		663,513.06
ADD:			
General Fund Revenue:			
Interest less Bank Fees		(8.91)	
Permits:			
Reimbursed Construction Costs		14,411.18	
		Total Revenue and Transfers In	14,402.27
DEDUCT:			
Checks:			
2776 Barr Engineering	Aug Engineering	42,373.55	
2777 D'Amico Catering	Sept Meeting	116.78	
2778 Amy Herbert LLC	Aug Secretary	2,409.56	
2779 Keystone Waters LLC	Aug Administrator	4,706.75	
2780 Wenck Associates	Aug Outlet Monitor	1,501.41	
2781 HDR Engineering Inc	Website Design	3,521.04	
2782 Regents of the Univ of MN	2015 NEMO Program	750.00	
2783 Michael Scanlon	Water Conference	245.00	
2784 Kennedy & Graven	July Legal/LMC Ins	5,718.96	
	Total Checks		61,343.05
ENDING BALANCE	9-Sep-15		616,572.28

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

(UNAUDITED)

Fiscal Year: February 1, 2015 through January 31, 2016

MEETING DATE: September 17, 2015

	2015 / 2016 BUDGET	CURRENT MONTH	YTD 2015 / 2016	BALANCE
OTHER GENERAL FUND REVENUE				
ASSESSMENTS TO CITIES	490,345	0.00	490,342.00	3.00
PERMIT REVENUE	60,000	0.00	31,100.00	28,900.00
WOMP REIMBURSEMENT	5,000	0.00	4,500.00	500.00
TRANSFERS FROM LONG TERM FUND & CIP	35,000	0.00	0.00	35,000.00
REVENUE TOTAL	590,345	0.00	525,942.00	64,403.00
EXPENDITURES				
ENGINEERING & MONITORING				
TECHNICAL SERVICES	120,000	7,826.50	69,627.44	50,372.56
DEV/PROJECT REVIEWS	65,000	2,940.00	24,618.00	40,382.00
NON-FEE/PRELIM REVIEWS	15,000	4,277.15	24,198.39	(9,198.39)
COMMISSION AND TAC MEETINGS	14,500	592.00	7,737.65	6,762.35
SURVEYS & STUDIES	20,000	2,787.40	13,645.48	6,354.52
WATER QUALITY/MONITORING	63,000	7,481.36	30,643.95	32,356.05
WATER QUANTITY	11,500	564.90	5,261.30	6,238.70
WATERSHED INSPECTIONS	1,000	0.00	0.00	1,000.00
ANNUAL FLOOD CONTROL INSPECTIONS	10,000	87.50	87.50	9,912.50
REVIEW MUNICIPAL PLANS	2,000	0.00	0.00	2,000.00
WOMP	17,000	1,731.41	10,593.25	6,406.75
ENGINEERING & MONITORING TOTAL	339,000	28,288.22	186,412.96	152,587.04
PLANNING				
WATERSHED-WIDE SP-SWMM MODEL	0	0.00	0.00	0.00
WATERSHED-WIDE P8 WATER QUALITY MODEL	0	0.00	0.00	0.00
NEXT GENERATION PLAN	30,000	1,999.18	19,732.00	10,268.00
PLANNING TOTAL	30,000	1,999.18	19,732.00	10,268.00
ADMINISTRATION				
ADMINISTRATOR	62,000	4,706.75	34,842.55	27,157.45
LEGAL COSTS	18,500	1,095.21	6,420.65	12,079.35
AUDIT, INSURANCE & BONDING	15,500	3,181.00	13,081.00	2,419.00
FINANCIAL MANAGEMENT	3,200	0.00	0.00	3,200.00
DIGITIZE HISTORIC PAPER FILES	2,500	0.00	0.00	2,500.00
MEETING EXPENSES	2,500	116.78	1,046.81	1,453.19
ADMINISTRATIVE SERVICES	32,000	2,466.19	17,824.84	14,175.16
ADMINISTRATION TOTAL	136,200	11,565.93	73,215.85	62,984.15
OUTREACH & EDUCATION				
PUBLICATIONS/ANNUAL REPORT	4,000	0.00	1,430.00	2,570.00
WEBSITE	12,000	3,521.04	6,411.65	5,588.35
PUBLIC COMMUNICATIONS	3,000	0.00	2,270.42	729.58
EDUCATION AND PUBLIC OUTREACH	17,000	995.00	12,500.31	4,499.69
WATERSHED EDUCATION PARTNERSHIPS	15,500	0.00	5,200.00	10,300.00
OUTREACH & EDUCATION TOTAL	51,500	4,516.04	27,812.38	23,687.62
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 STUDIES	0	0.00	0.00	0.00
TMDL IMPLEMENTATION REPORTING	20,000	562.50	4,330.50	15,669.50
TMDL WORK TOTAL	20,000	562.50	4,330.50	15,669.50
TOTAL EXPENSES	626,700	46,931.87	311,503.69	315,196.31

BCWMC Construction Account
Fiscal Year: February 1, 2015 through January 31, 2016
September 2015 Financial Report

(UNAUDITED)

Cash Balance 08/12/15			
Cash		2,867,624.00	
Investments:		<u>1,000,000.00</u>	
	Total Cash & Investments		3,867,624.00
 Add:			
State of Minnesota			
Interest Revenue (Bank Charges)		<u>(54.50)</u>	
	Total Revenue		(54.50)
 Less:			
CIP Projects Levied - Current Expenses - TABLE A		(458.40)	
Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B		<u>(4,537.50)</u>	
	Total Current Expenses		(4,995.90)
	Total Cash & Investments On Hand	09/09/15	<u><u>3,862,573.60</u></u>

Total Cash & Investments On Hand	3,862,573.60
CIP Projects Levied - Budget Remaining - TABLE A	<u>(4,014,653.13)</u>
Closed Projects Remaining Balance	(152,079.53)
2012 - 2014 Anticipated Tax Levy Revenue - TABLE C	5,585.36
2015 Anticipated Tax Levy Revenue - TABLE C	<u>495,084.26</u>
Anticipated Closed Project Balance	<u><u>348,590.09</u></u>
 Proposed & Future CIP Project Amount to be Levied - TABLE B	<u>1,633,070.00</u>

TABLE A - CIP PROJECTS LEVIED

	Approved Budget	Current Expenses	2015 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
Plymouth Creek Channel Restoration (2010 CR)	965,200.00	0.00	5,350.56	939,039.17	26,160.83
CLOSED JUNE 2015					(26,160.83)
Wisc Ave/Duluth Street-Crystal (2011 CR)	580,200.00	0.00	0.00	580,200.00	0.00
Wirth Lake Outlet Modification (WTH-4)(2012)	202,500.00	0.00	0.00	201,513.94	986.06
5/13 Increase Budget - \$22,500					
Main Stem Irving Ave to GV Road (2012 CR)	856,000.00	0.00	25,327.00	203,780.95	652,219.05
Lakeview Park Pond (ML-8) (2013)	196,000.00	0.00	0.00	11,589.50	184,410.50
Four Seasons Mall Area Water Quality Proj (NL-2)	990,000.00	0.00	25,866.35	127,501.84	862,498.16
2014				0.00	0.00
Schaper Pond Enhance Feasibility/Project (SL-1)(SL-3)	612,000.00	0.00	0.00	89,594.90	522,405.10
Briarwood / Dawnview Nature Area (BC-7)	250,000.00	0.00	0.00	19,598.09	230,401.91
Twin Lake Alum Treatment Project (TW-2)	163,000.00	0.00	432.00	24,225.65	138,774.35
2015					
Main Stem 10th to Duluth (CR2015)	1,503,000.00	458.40	68,862.65	80,042.00	1,422,958.00
	<u>6,317,900.00</u>	<u>458.40</u>	<u>125,838.56</u>	<u>2,277,086.04</u>	<u>4,014,653.13</u>

TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED

	Approved Budget - To Be Levied	Current Expenses	2015 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
2016					
Bryn Mawr Meadows (BC-5)	0.00	0.00	0.00	5,282.80	(5,282.80)
Honeywell Pond Expansion (BC-4)	810,930.00	999.95	2,269.63	9,731.58	801,198.42
Northwood Lake Pond (NL-1)	822,140.00	3,537.55	6,195.10	11,313.85	810,826.15
2016 Project Totals	<u>1,633,070.00</u>	<u>4,537.50</u>	<u>8,464.73</u>	<u>26,328.23</u>	<u>1,606,741.77</u>
 Total Proposed & Future CIP Projects to be Levied	<u>1,633,070.00</u>	<u>4,537.50</u>	<u>8,464.73</u>	<u>26,328.23</u>	<u>1,606,741.77</u>

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
2015 Tax Levy	1,000,000.00		1,000,000.00		504,915.74	504,915.74	495,084.26	1,000,000.00
2014 Tax Levy	895,000.00	(2,576.10)	892,423.90		3,093.98	887,631.40	4,792.50	895,000.00
2013 Tax Levy	986,000.00	(13,785.61)	972,214.39		902.83	971,651.81	562.58	986,000.00
2012 Tax Levy	762,010.00	(5,103.74)	756,906.26		52.64	756,675.98	230.28	762,010.00
2011 Tax Levy	863,268.83	(8,962.04)	854,306.79		(95.54)	854,211.25	95.54	862,400.00
2010 Tax Levy	935,298.91	(9,027.10)	926,271.81		200.99	926,472.80	(200.99)	935,000.00
				<u>0.00</u>			<u>500,564.17</u>	

OTHER PROJECTS:

	Approved Budget	Current Expenses / (Revenue)	2015 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
Sweeney TMDL	119,000.00	0.00	0.00	212,222.86	
Less: MPCA Grant Revenue		0.00	0.00	(163,870.64)	70,647.78
TOTAL TMDL Studies	<u>254,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>156,117.37</u>	<u>97,882.63</u>
Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
Flood Control Long-Term Maintenance	623,373.00	9,385.43	25,891.53	69,087.01	554,285.99
Sweeney Lake Outlet (2012 FC-1)	250,000.00	0.00	0.00	179,742.18	70,257.82
Annual Water Quality					
Channel Maintenance Fund	300,000.00	29.85	29.85	94,495.45	205,504.55
Total Other Projects	<u>1,927,373.00</u>	<u>9,415.28</u>	<u>25,921.38</u>	<u>499,442.01</u>	<u>1,427,930.99</u>

Cash Balance 08/12/15	1,193,939.62
Add:	
Transfer from GF	0.00
MPCA Grant-Sweeney Lk	0.00
Less:	
Current (Expenses)/Revenue	(9,415.28)
Ending Cash Balance 09/09/15	<u><u>1,184,524.34</u></u>
Additional Capital Needed	<u><u>(243,407)</u></u>

Bassett Creek Construction Project Details

9/9/2015

CIP Projects Levied

	Total	2010	2011	2012	2012	2013	2013	2014	2014	2014	2015
	CIP Projects Levied	Plymouth Creek Channel Restoration (2010 CR)	Wisc Ave (Duluth Str)-Crystal (GV)	Wirth Lake Outlet Modification (WTH-4)	Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	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)
Original Budget Added to Budget	6,295,400 (3,661)	965,200 (26,160.83)	580,200	180,000 22,500	856,000	196,000	990,000	612,000	250,000	163,000	1,503,000
Expenditures:											
Feb 2004 - Jan 2005	637.50					637.50					
Feb 2005 - Jan 2006											
Feb 2006 - Jan 2007											
Feb 2007 - Jan 2008											
Feb 2008 - Jan 2009	20,954.25	20,954.25									
Feb 2009 - Jan 2010	9,319.95	9,319.95									
Feb 2010 - Jan 2011	70,922.97	30,887.00	34,803.97	2,910.00	1,720.00		602.00				
Feb 2011 - Jan 2012	977,285.99	825,014.32	9,109.50	22,319.34	71,647.97	1,476.00	8,086.37	39,632.49			
Feb 2012 - Jan 2013	153,174.66	47,378.09	9,157.98	4,912.54	20,424.16	2,964.05	61,940.82	4,572.97	152.80	1,671.25	
Feb 2013 - Jan 2014	819,686.41	135.00	527,128.55	171,341.06	42,969.42	6,511.95	31,006.30	19,079.54	6,477.29	13,678.55	1,358.75
Feb 2014 - Jan 2015	99,265.75			31.00	41,692.40			26,309.90	12,968.00	8,443.85	9,820.60
Feb 2015-Jan 2016	125,838.56	5,350.56			25,327.00		25,866.35			432.00	68,862.65
Total Expenditures:	2,277,086.04	939,039.17	580,200.00	201,513.94	203,780.95	11,589.50	127,501.84	89,594.90	19,598.09	24,225.65	80,042.00
Project Balance	4,014,653.13			986.06	652,219.05	184,410.50	862,498.16	522,405.10	230,401.91	138,774.35	1,422,958.00

	Total	2010	2011	2012	2012	2013	2013	2014	2014	2014	2015
	CIP Projects Levied	Plymouth Creek Channel Restoration (2010 CR)	Wisc Ave (Duluth Str)-Crystal (GV)	Wirth Lake Outlet Modification (WTH-4)	Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	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)
Project Totals By Vendor											
Barr Engineering	383,474.60	47,863.10	48,811.20	30,565.19	101,347.38	6,338.95	28,670.54	75,251.50	13,089.74	15,712.00	15,825.00
Kennedy & Graven	16,246.65	2,120.10	1,052.50	2,225.15	1,862.25	1,200.55	2,471.95	993.40	1,038.35	1,058.65	2,223.75
City of Golden Valley	753,797.11		526,318.80	165,485.06							61,993.25
City of Minneapolis	134,652.61				84,759.61		49,893.00				
City of Plymouth	892,360.77	866,494.42					25,866.35				
City of Crystal										3,900.00	
Blue Water Science	3,900.00										
S E H											
Misc											
2.5% Admin Transfer	92,654.30	22,561.55	4,017.50	3,238.54	15,811.71	4,050.00	20,600.00	13,350.00	5,470.00	3,555.00	
Transfer to General Fun											
Total Expenditures	2,277,086.04	939,039.17	580,200.00	201,513.94	203,780.95	11,589.50	127,501.84	89,594.90	19,598.09	24,225.65	80,042.00

	Total	2010	2011	2012	2012	2013	2013	2014	2014	2014	2015
	CIP Projects Levied	Plymouth Creek Channel Restoration (2010 CR)	Wisc Ave (Duluth Str)-Crystal (GV)	Wirth Lake Outlet Modification (WTH-4)	Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	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)
Levy/Grant Details											
2009/2010 Levy	902,462	902,462									
2010/2011 Levy	160,700		160,700								
2011/2012 Levy	762,010			83,111	678,899						
2012/2013 Levy	986,000					162,000	824,000				
2013/2014 Levy	895,000							534,000	218,800	142,200	
2014/2015 Levy	1,000,000										1,000,000
2015-2016 Levy											
Construction Fund Balance	1,384,228	62,738	419,500	21,889	177,101	34,000	166,000				
BWSR Grant- BCWMO	504,750	212,250		75,000	217,500						503,000
MPCA Grant-CWPGrant											
Total Levy/Grants	6,595,150	1,177,450	580,200	180,000	1,073,500	196,000	990,000	534,000	218,800	142,200	1,503,000

BWSR Final 4/8/13
 FY11 Competitive Grant Program - received \$7500 on 11/6/14
 MPCA Grant-CWP (Total \$300,000)

Bassett Creek Construction Project Details

Bassett Creek Construction Project Details

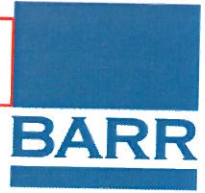
Proposed & Future CIP Projects (to be Levied)

Other Projects

	Proposed & Future CIP Projects (to be Levied)				MPCA Grant From GF	Other Projects							Totals - All Projects	
	Total Proposed & Future CIP Projects (to be Levied)	2016 Bryn Mawr Meadows	2016 Honeywell Pond Expansion (BC-4)	2016 Northwood Lake Pond (NL-1)		Total Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	2012 Sweeney Lake Outlet (FC-1)	Channel Maintenance		
Original Budget	1,633,070					1,647,373.00								
Added to Budget	1,633,070		810,930	822,140		163,870.64		119,000.00	500,000.00	748,373.00 (250,000.00)	250,000.00	175,000.00	9,575,843.00	
Expenditures:						163,870.64	30,000.00	163,870.64		125,000.00		125,000.00	1,629,409.17	
Feb 2004 - Jan 2005						6,949.19							637.50	
Feb 2005 - Jan 2006						10,249.09	637.20			3,954.44		2,994.75	6,949.19	
Feb 2006 - Jan 2007						113,141.44	23,486.95	89,654.49		9,611.89			10,249.09	
Feb 2007 - Jan 2008						117,455.33	31,590.12	47,041.86					113,141.44	
Feb 2008 - Jan 2009						76,184.64	31,868.63	44,316.01					138,409.58	
Feb 2009 - Jan 2010						45,375.25	15,005.25	25,920.00				38,823.35	85,504.59	
Feb 2010 - Jan 2011						12,656.65	168.00	5,290.50					116,298.22	
Feb 2011 - Jan 2012						21,094.00	3,194.00			4,450.00			989,942.64	
Feb 2012 - Jan 2013						174,826.03	1,815.00			7,198.15			174,268.66	
Feb 2013 - Jan 2014						59,459.65				168,094.03	17,900.00		994,512.44	
Feb 2014 - Jan 2015	17,863.50	5,282.80	7,461.95	5,118.75		25,921.38							176,588.90	
Feb 2015-Jan 2016	8,464.73		2,269.63	6,195.10									160,224.67	
Total Expenditures:	26,328.23	5,282.80	9,731.58	11,313.85		663,312.65	107,765.15	212,222.86	500,000.00	69,087.01	179,742.18	94,495.45	2,966,726.92	
Project Balance	1,606,741.77	(5,282.80)	801,198.42	810,826.15		1,427,930.99	27,234.85	70,647.78	500,000.00	554,285.99	70,257.82	205,504.55	7,049,325.89	

	Proposed & Future CIP Projects (to be Levied)				MPCA Grant From GF	Other Projects							Totals - All Projects
	Total Proposed & Future CIP Projects (to be Levied)	2016 Bryn Mawr Meadows	2016 Honeywell Pond Expansion (BC-4)	2016 Northwood Lake Pond (NL-1)		Total Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	2012 Sweeney Lake Outlet (FC-1)	Channel Maintenance	
Project Totals By Vendor	24,726.28	5,282.80	9,054.98	10,388.50		265,847.12	104,888.70	94,948.17	500,000.00	48,000.35	18,009.90	354.75	674,048.00
Barr Engineering	1,601.95		676.60	925.35		5,977.19	1,164.30	2,902.59		94.40	1,461.15		23,825.79
Kennedy & Graven						215,558.63					160,271.13	55,287.50	969,355.74
City of Golden Valley						38,823.35						38,823.35	134,652.61
City of Minneapolis						105,590.36		101,598.10		3,992.26			931,184.12
City of Plymouth						14,486.15	1,712.15	12,774.00					3,900.00
City of Crystal						17,000.00				17,000.00			105,590.36
Blue Water Science						663,282.80	107,765.15	212,222.86	500,000.00	69,087.01	179,742.18	94,465.60	14,486.15
S E H													17,000.00
Misc													92,654.30
2.5% Admin Transfer													17,000.00
Transfer to General Fun													2,966,697.07
Total Expenditures	26,328.23	5,282.80	9,731.58	11,313.85		663,282.80	107,765.15	212,222.86	500,000.00	69,087.01	179,742.18	94,465.60	2,966,697.07

	Proposed & Future CIP Projects (to be Levied)				MPCA Grant	Other Projects							Totals - All Projects
	Total Proposed & Future CIP Projects (to be Levied)	2016 Bryn Mawr Meadows	2016 Honeywell Pond Expansion (BC-4)	2016 Northwood Lake Pond (NL-1)		Total Other Projects	TMDL Studies	Sweeney Lake TMDL	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	2012 Sweeney Lake Outlet (FC-1)	Channel Maintenance	
Levy/Grant Details						163,870.64		163,870.64					902,462
2009/2010 Levy						60,000.00	10,000			25,000		25,000	220,700
2010/2011 Levy						60,000.00	10,000			25,000		25,000	822,010
2011/2012 Levy						60,000.00	10,000			25,000		25,000	1,046,000
2012/2013 Levy						50,000.00				25,000		25,000	945,000
2013/2014 Levy													
2014/2015 Levy													
2015-2016 Levy													
Construction Fund Balance						50,000.00				25,000		25,000	1,434,228
BWSR Grant- BCWMO													504,750
MPCA Grant-CWPGrant	75,000			75,000									
Total Levy/Grants	75,000			75,000		443,870.64	30,000	163,870.64		125,000		125,000	5,875,150



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4F – Cornerstone Creek Project – Golden Valley
BCWMC September 17, 2015 Meeting Agenda
Date: September 9, 2015
Project: 23270051 2015 2058

4F Cornerstone Creek Project – Golden Valley

Summary:

Proposed Work: Demolition of two existing single family homes and construction of a multi-residential building

Basis for Commission Review: Use of underground storage for stormwater treatment

Impervious Surface Area: Increase 0.95 acres

Recommendation: Conditional approval

General Background & Comments

The proposed project includes demolition of two existing single family homes for the construction of a new multi-story residential building and installation of an underground stormwater treatment system. The project is in the Bassett Creek Main Stem subwatershed at 9300 and 9310 Golden Valley Road (near the northeast quadrant of the intersection of State Highway 55 and Interstate 169). The project site is 2.25 acres. The proposed project results in an increase of 0.95 acres of impervious surface and a total proposed impervious area of 1.26 acres.

Floodplain

The project does not involve work in the Bassett Creek floodplain.

Wetlands

The project does not involve work in wetlands. The City of Golden Valley is the LGU for administering the Minnesota Wetland Conservation Act of 1991.

Stormwater Management

Although the project results in a change of land use from single residential to multiple residential, Figure 5 in the Watershed Management Plan (September 2004) allows impervious coverage consistent with multiple residential land use. Under existing conditions a portion of the site drains south to Golden Valley Road and a portion of the site drains to a vegetated area to the north. Under proposed conditions the majority of the site will be routed to an underground stormwater management system in the southern portion of the site which will discharge to the south to the existing storm sewer system in Golden Valley Road.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4F – Cornerstone Creek Project – Golden Valley
Date: September 9, 2015
Page: 2
Project: 23270051 2015 2058

Water Quality Management

There is currently no water quality treatment provided on the site. Because the project is a residential development, the parcel size is greater than two acres, and the development contains four or more proposed living units, the project must meet the BCWMC's Level I water quality treatment requirements. An underground StormTech chamber is proposed to provide water quality treatment on site for the development. Sump manholes will be used to provide pretreatment.

Erosion and Sediment Control

Since the area to be graded is greater than 10,000 square feet, the proposed project must meet the BCWMC erosion control requirements. Proposed temporary erosion control features include silt fence a rock construction entrance, and temporary erosion control blanket.

Recommendation

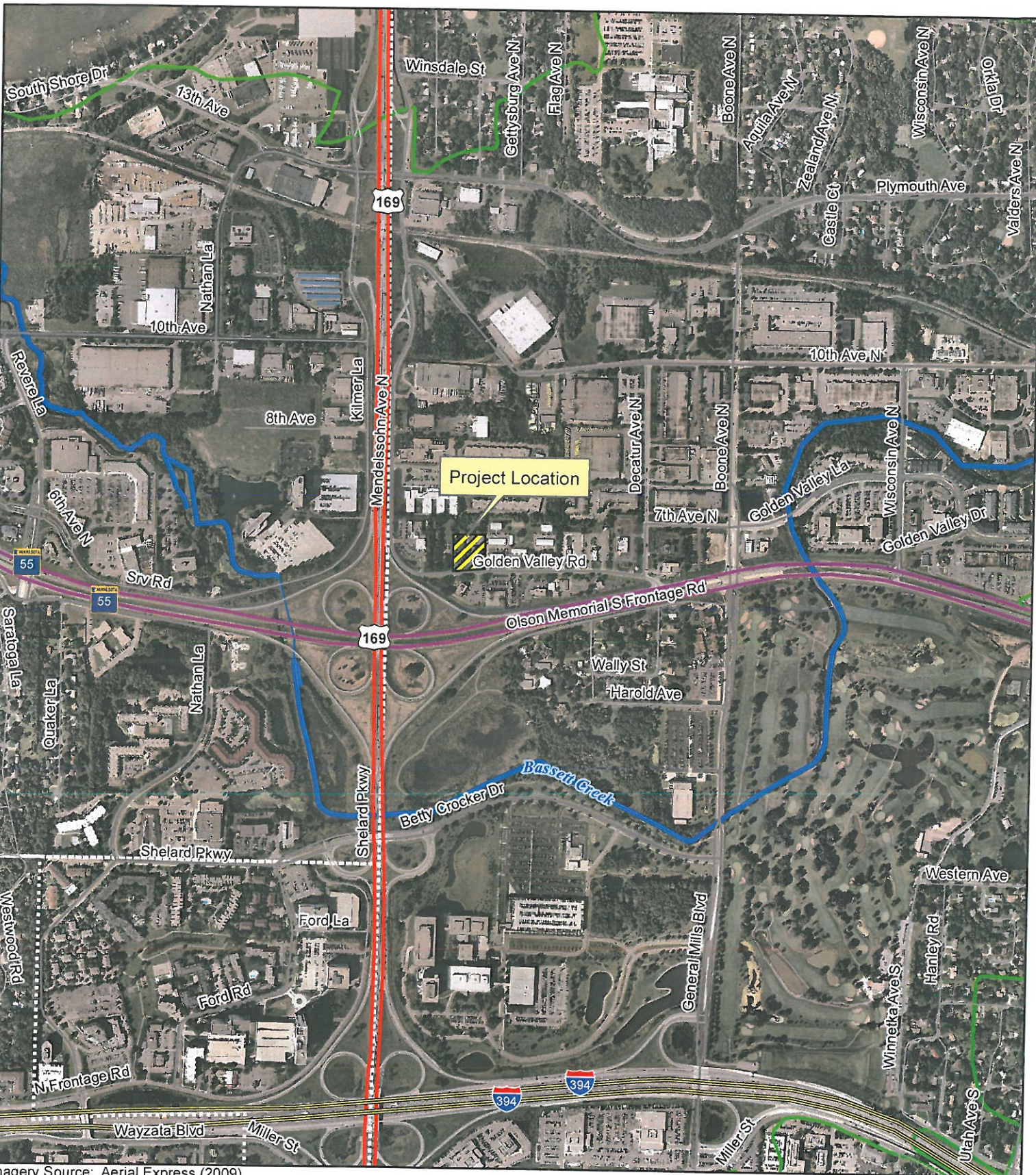
Conditional approval based on the following comments:

1. Due to the size of the site, intermediate silt fence may be necessary for effective erosion control depending on the phasing and area disturbed during construction.
2. The silt fence for the select site demolition should be continuous with the construction entrance such that sediment laden water cannot leave the site between the construction entrance and the silt fence.
3. Silt fence or other perimeter control (including a construction entrance with a berm) should be continuous across the site entrances such that sediment laden water cannot leave the site between the construction entrance and the silt fence.
4. Inlet protection should be shown for CB6.
5. The construction entrance must have a berm with a minimum height of 2 feet above the adjacent roadway and with maximum side slopes of 4:1.
6. The following erosion control notes should be added to the plans:
 - All exposed soil areas must be stabilized as soon as possible, but in no case later than 7 days after the construction activity has temporarily or permanently ceased (the project is within 1 mile of Bassett Creek).
 - A temporary vegetative cover consisting of a suitable, fast-growing, dense grass-seed mix spread at 1.5 times the usual rate per acre must be specified. If temporary cover is to remain in place beyond the present growing season, two-thirds of the seed mix shall be composed of perennial grasses.
7. The design assumes Type B soils with 0.8 inches/hour infiltration rate. This review assumes that the soil borings referenced on Sheet C100 reflect the infiltration rate used in design.







To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4F – Cornerstone Creek Project – Golden Valley
Date: September 9, 2015
Page: 3
Project: 23270051 2015 2058

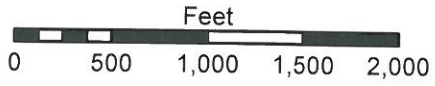
8. The seasonally high water table must be far enough below the bottom of the Stormtech system to allow the system to function hydraulically and to allow trapping and treatment of pollutants by the soil. The seasonally high groundwater table is recommended to be at least 3 feet from the bottom of the Stormtech system cross section.
9. A maintenance agreement for the StormTech system must be developed between the owner and the City of Golden Valley.
10. Revised drawings must be provided to the BCWMC Engineer for final review and approval.

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Imagery Source: Aerial Express (2009)

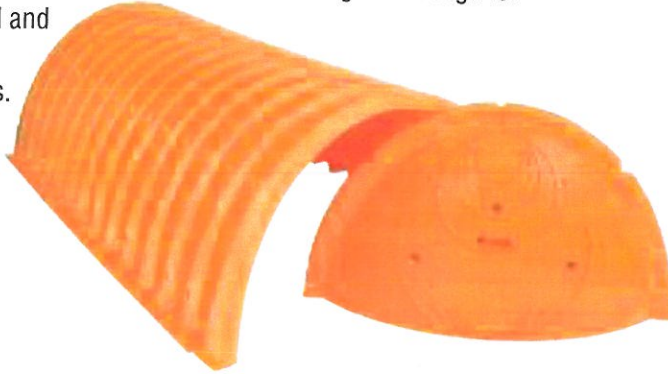
-  Project Location
-  Bassett Creek
-  WMC Boundary
-  Major Subwatershed
-  Municipality
-  Stream



LOCATION MAP
APPLICATION 2015-27
Cornerstone Creek
Golden Valley, MN

StormTech SC-740 Chamber

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots thus maximizing land usage for commercial and municipal applications.



StormTech SC-740 Chamber (not to scale)

Nominal Chamber Specifications

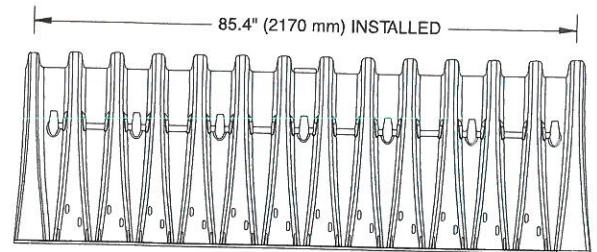
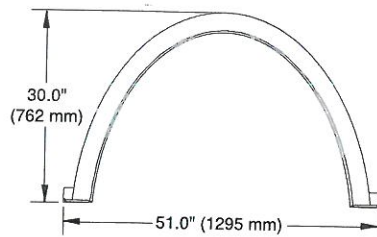
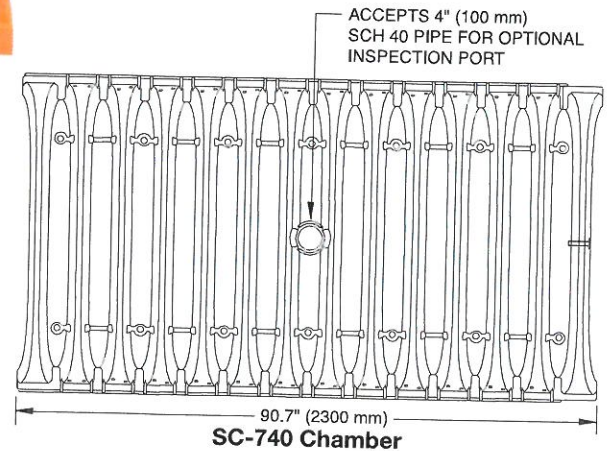
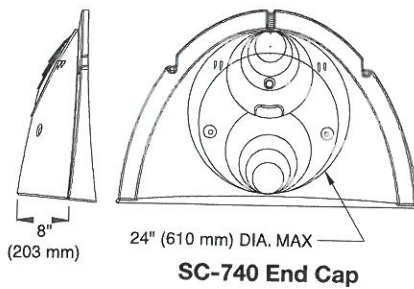
Size (L x W x H)
85.4" x 51.0" x 30.0"
(2170 x 1295 x 762 mm)

Chamber Storage
45.9 ft³ (1.30 m³)

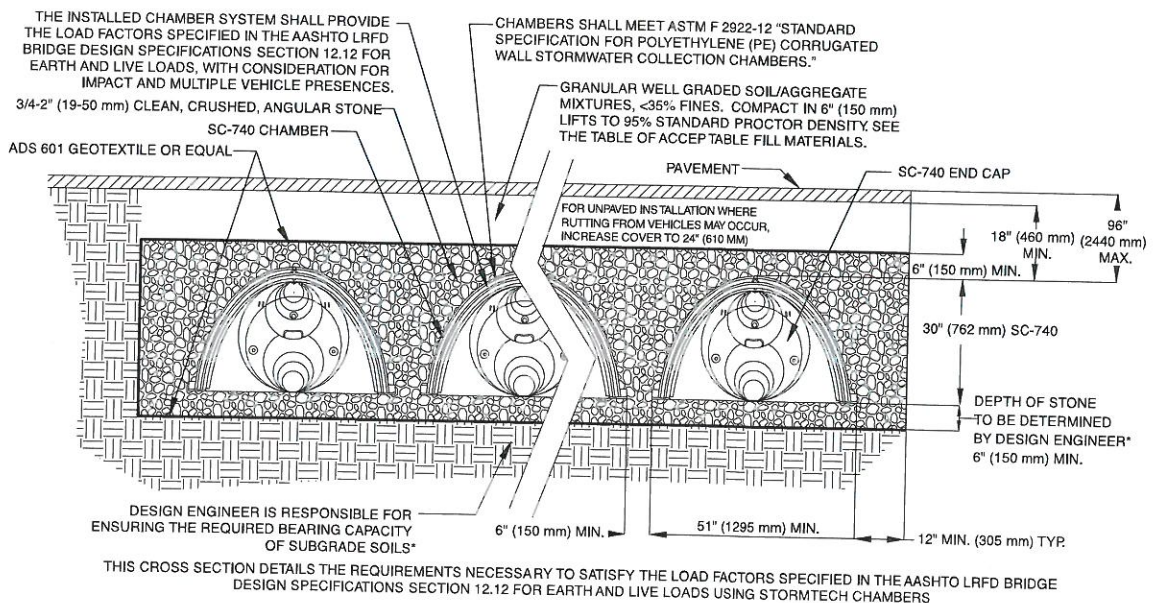
Minimum Installed Storage*
74.9 ft³ (2.12 m³)

Weight
74.0 lbs (33.6 kg)

Shipping
30 chambers/pallet
60 end caps/pallet
12 pallets/truck



Typical Cross Section Detail (not to scale)



SC-740 Cumulative Storage Volumes Per Chamber

Assumes 40% Stone Porosity. Calculations are Based Upon a 6" (152 mm) Stone Base Under the Chambers.

Depth of Water in System Inches (mm)	Cumulative Chamber Storage Ft ³ (m ³)	Total System Cumulative Storage Ft ³ (m ³)
42 (1067)	45.90 (1.300)	74.90 (2.121)
41 (1041)	45.90 (1.300)	73.77 (2.089)
40 (1016)	Stone 45.90 (1.300)	72.64 (2.057)
39 (991)	Cover 45.90 (1.300)	71.52 (2.025)
38 (965)	45.90 (1.300)	70.39 (1.993)
37 (948)	45.90 (1.300)	69.26 (1.961)
36 (914)	45.90 (1.300)	68.14 (1.929)
35 (889)	45.85 (1.298)	66.98 (1.897)
34 (864)	45.69 (1.294)	65.75 (1.862)
33 (838)	45.41 (1.286)	64.46 (1.825)
32 (813)	44.81 (1.269)	62.97 (1.783)
31 (787)	44.01 (1.246)	61.36 (1.737)
30 (762)	43.06 (1.219)	59.66 (1.689)
29 (737)	41.98 (1.189)	57.89 (1.639)
28 (711)	40.80 (1.155)	56.05 (1.587)
27 (686)	39.54 (1.120)	54.17 (1.534)
26 (660)	38.18 (1.081)	52.23 (1.479)
25 (635)	36.74 (1.040)	50.23 (1.422)
24 (610)	35.22 (0.977)	48.19 (1.365)
23 (584)	33.64 (0.953)	46.11 (1.306)
22 (559)	31.99 (0.906)	44.00 (1.246)
21 (533)	30.29 (0.858)	41.85 (1.185)
20 (508)	28.54 (0.808)	39.67 (1.123)
19 (483)	26.74 (0.757)	37.47 (1.061)
18 (457)	24.89 (0.705)	35.23 (0.997)
17 (432)	23.00 (0.651)	32.96 (0.939)
16 (406)	21.06 (0.596)	30.68 (0.869)
15 (381)	19.09 (0.541)	28.36 (0.803)
14 (356)	17.08 (0.484)	26.03 (0.737)
13 (330)	15.04 (0.426)	23.68 (0.670)
12 (305)	12.97 (0.367)	21.31 (0.608)
11 (279)	10.87 (0.309)	18.92 (0.535)
10 (254)	8.74 (0.247)	16.51 (0.468)
9 (229)	6.58 (0.186)	14.09 (0.399)
8 (203)	4.41 (0.125)	11.66 (0.330)
7 (178)	2.21 (0.063)	9.21 (0.264)
6 (152)	0	6.76 (0.191)
5 (127)	0	5.63 (0.160)
4 (102)	Stone Foundation 0	4.51 (0.125)
3 (76)	0	3.38 (0.095)
2 (51)	0	2.25 (0.064)
1 (25)	0	1.13 (0.032)

Note: Add 1.13 cu. ft. (0.032 m³) of storage for each additional inch (25 mm) of stone foundation.

Storage Volume Per Chamber

	Bare Chamber Storage ft ³ (m ³)	Chamber and Stone Foundation Depth in. (mm)		
		6 (150)	12 (305)	18 (460)
StormTech SC-740	45.9 (1.3)	74.9 (2.1)	81.7 (2.3)	88.4 (2.5)

Note: Storage volumes are in cubic feet per chamber. Assumes 40% porosity for the stone plus the chamber volume.

Amount of Stone Per Chamber

ENGLISH TONS (CUBIC YARDS)	Stone Foundation Depth		
	6"	12"	18"
StormTech SC-740	3.8 (2.8 yd ³)	4.6 (3.3 yd ³)	5.5 (3.9 yd ³)
METRIC KILOGRAMS (METER ³)	150 mm	305 mm	460 mm
StormTech SC-740	3450 (2.1 m ³)	4170 (2.5 m ³)	4490 (3.0 m ³)

Note: Assumes 6" (150 mm) of stone above, and between chambers.

Volume of Excavation Per Chamber

	Stone Foundation Depth		
	6" (150 mm)	12" (305 mm)	18" (460 mm)
StormTech SC-740	5.5 (4.2)	6.2 (4.7)	6.8 (5.2)

Note: Volumes are in cubic yards (cubic meters) per chamber. Assumes 6" (150 mm) of separation between chamber rows and 18" (460 mm) of cover. The volume of excavation will vary as the depth of the cover increases.

STANDARD LIMITED WARRANTY OF STORMTECH LLC ("STORMTECH"): PRODUCTS

- (A) This Limited Warranty applies solely to the StormTech chambers and endplates manufactured by StormTech and sold to the original purchaser (the "Purchaser"). The chambers and endplates are collectively referred to as the "Products."
- (B) The structural integrity of the Products, when installed strictly in accordance with StormTech's written installation instructions at the time of installation, are warranted to the Purchaser against defective materials and workmanship for one (1) year from the date of purchase. Should a defect appear in the Limited Warranty period, the Purchaser shall provide StormTech with written notice of the alleged defect at StormTech's corporate headquarters within ten (10) days of the discovery of the defect. The notice shall describe the alleged defect in reasonable detail. StormTech agrees to supply replacements for those Products determined by StormTech to be defective and covered by this Limited Warranty. The supply of replacement products is the sole remedy of the Purchaser for breaches of this Limited Warranty. StormTech's liability specifically excludes the cost of removal and/or installation of the Products.
- (C) **THIS LIMITED WARRANTY IS EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE PRODUCTS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.**
- (D) This Limited Warranty only applies to the Products when the Products are installed in a single layer. **UNDER NO CIRCUMSTANCES, SHALL THE PRODUCTS BE INSTALLED IN A MULTI-LAYER CONFIGURATION.**
- (E) No representative of StormTech has the authority to change this Limited Warranty in any manner or to extend this Limited Warranty. This Limited Warranty does not apply to any person other than to the Purchaser.
- (F) Under no circumstances shall StormTech be liable to the Purchaser or to any third party for product liability claims, claims arising from the design, shipment, or installation of the Products, or the cost of other goods or services related to the purchase and installation of the Products. For this Limited Warranty to apply, the Products must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and StormTech's written installation instructions.
- (G) **THE LIMITED WARRANTY DOES NOT EXTEND TO INCIDENTAL, CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES. STORMTECH SHALL NOT BE LIABLE FOR PENALTIES OR LIQUIDATED DAMAGES, INCLUDING LOSS OF PRODUCTION AND PROFITS; LABOR AND MATERIALS; OVERHEAD COSTS; OR OTHER LOSS OR EXPENSE INCURRED BY THE PURCHASER OR ANY THIRD PARTY. SPECIFICALLY EXCLUDED FROM LIMITED WARRANTY COVERAGE ARE DAMAGE TO THE PRODUCTS ARISING FROM ORDINARY WEAR AND TEAR; ALTERATION, ACCIDENT, MISUSE, ABUSE OR NEGLIGENCE; THE PRODUCTS BEING SUBJECT TO VEHICLE TRAFFIC OR OTHER CONDITIONS WHICH ARE NOT PERMITTED BY STORMTECH'S WRITTEN SPECIFICATIONS OR INSTALLATION INSTRUCTIONS; FAILURE TO MAINTAIN THE MINIMUM GROUND COVERS SET FORTH IN THE INSTALLATION INSTRUCTIONS; THE PLACEMENT OF IMPROPER MATERIALS INTO THE PRODUCTS; FAILURE OF THE PRODUCTS DUE TO IMPROPER SITING OR IMPROPER SIZING; OR ANY OTHER EVENT NOT CAUSED BY STORMTECH. THIS LIMITED WARRANTY REPRESENTS STORMTECH'S SOLE LIABILITY TO THE PURCHASER FOR CLAIMS RELATED TO THE PRODUCTS, WHETHER THE CLAIM IS BASED UPON CONTRACT, TORT, OR OTHER LEGAL THEORY.**

20 Beaver Road, Suite 104 | Wethersfield | Connecticut | 06109

860.529.8188 | 888.892.2694 | fax 866.328.8401 | fax 860-529-8040 | www.stormtech.com



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4G – Sochacki Trail Paving Project – Robbinsdale
BCWMC September 17, 2015 Meeting Agenda
Date: September 9, 2015
Project: 23270051 2015 2057

4G Sochacki Trail Paving Project – Robbinsdale

Summary:

Proposed Work: Paving and existing gravel trail, culvert replacement, ditch grading

Basis for Commission Review: Work in a floodplain

Impervious Surface Area: No change

Recommendation: Conditional approval

General Background & Comments

The proposed project includes paving an existing gravel trail, replacement of a culvert, and grading of a ditch along a portion of the trail. The project is in the Bassett Creek Main Stem (Grimes, North Rice, South Rice Lake) subwatershed in Sochacki Park (east of June Avenue North and north of Bassett Creek Drive). The project site is approximately 2 acres. The proposed project results in no net change of impervious surface and a total proposed impervious area of 0.56 acres.

Floodplain

A portion of the project is located between North Rice Lake and South Rice Lake. Limited contour information is shown on the design plans. Based on the information provided, it appears that a portion of the work between approximately station 12+50 and station 13+25 will be within the North Rice Lake floodplain. The North Rice Lake floodplain elevation is 838.0 feet. The South Rice Lake floodplain elevation is 831.5 feet. Based on the revised cross section information and communications with the Three Rivers Park District staff, there will be no fill placed within the North Rice Lake floodplain.

Wetlands

The Bassett Creek Watershed Management Commission is the LGU for administering the Minnesota Wetland Conservation Act of 1991 in the City of Robbinsdale. As such, the BCWMC must investigate and appropriately address any wetland impacts. Based on a review of the National Wetland Inventory mapping, it appears there are wetlands within the project area. It is not clear if the project will impact the wetlands. The applicant provided an unofficial wetland delineation where the trail crosses between North Rice Lake and South Rice Lake. The unofficial wetland delineation indicates there are no wetland impacts in this portion of the project. However, it appears that the work to replace a

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4G – Sochacki Trail Paving Project – Robbinsdale
Date: September 9, 2015
Page: 2
Project: 23270051 2015 2057

culvert and grade a drainage swale to North Rice Lake may result in wetland impacts. Due to the proximity of the project to the wetlands, a wetland delineation must also be performed in this area by the applicant. The delineation must be reviewed by the BCWMC Engineer. If the delineation in the area of the culvert replacement indicates there is work within the wetland, the applicant will need to provide the appropriate wetland impact application based on the nature of the work within the wetland (i.e. temporary impact, permanent impact, or request for exemption due to minor impact). The BCWMC Engineer would then review the final wetland delineation and/or application on behalf of the BCWMC.

Stormwater Management

Under existing conditions runoff from the site drains along the trail to either North Rice Lake or South Rice Lake. Under proposed conditions the drainage patterns will remain the same. An existing culvert is being replaced and a new ditch graded to improve conveyance and minimize the potential for the trail to flood.

Water Quality Management

There is currently no water quality treatment provided on the site. Since both compacted gravel and paved trails are considered as impervious surfaces, there will be no change in impervious surface as part of this project. The project does not include any new permanent best management practices.

Erosion and Sediment Control

Since the area to be graded is greater than one acre on a linear project, the proposed project must meet the BCWMC erosion control requirements. Proposed temporary erosion control features include bioroll and a rock construction entrance.

Recommendation

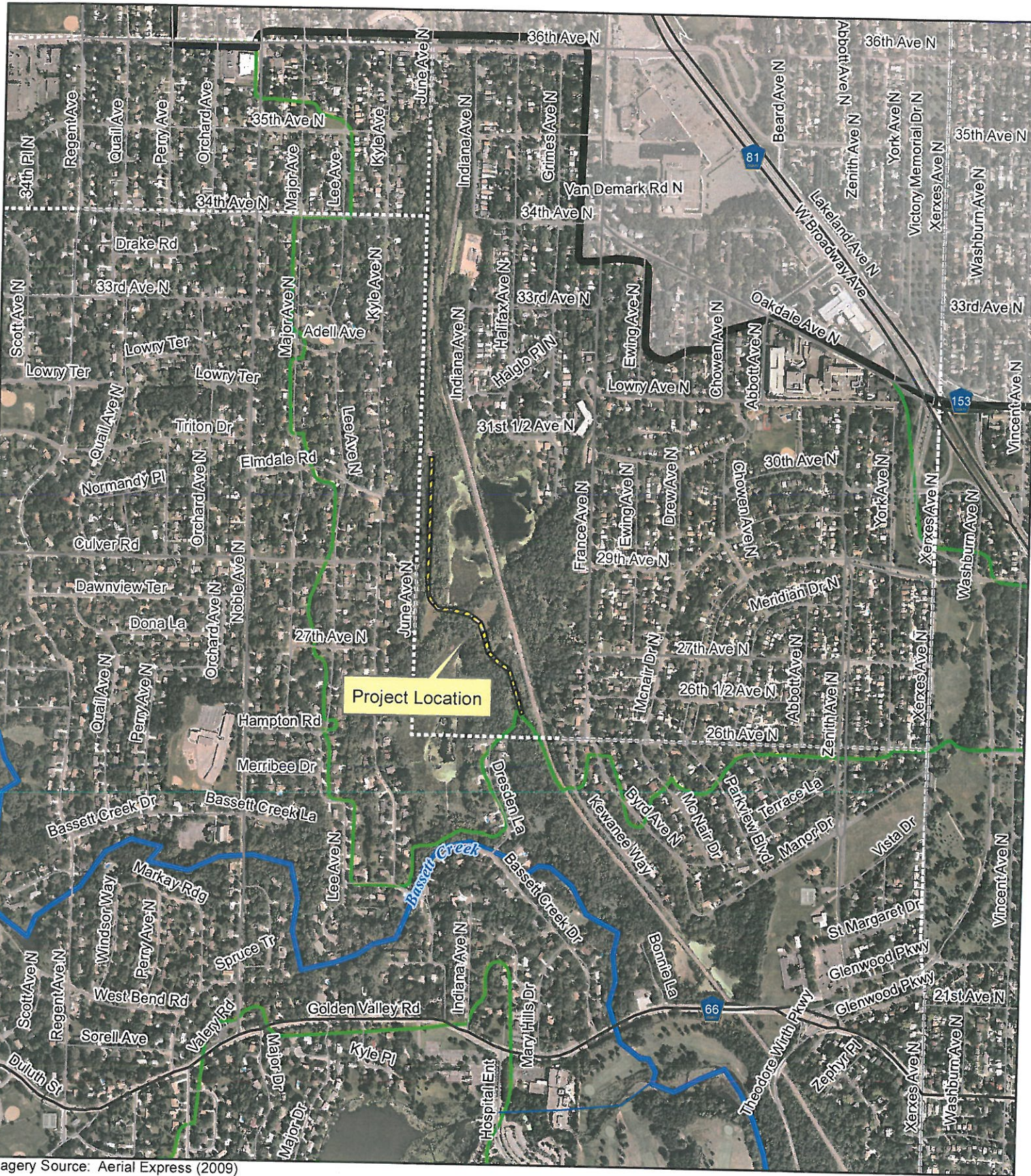
Conditional approval based on the following comments:

1. The BCWMC is the LGU for administering the Minnesota Wetland Conservation Act of 1991 in the City of Robbinsdale. A wetland delineation report must be submitted for review for the area where the trail passes between North Rice Lake and South Rice Lake and for the area where the culvert will be replaced and a drainage swale graded to North Rice Lake (both upstream and downstream of the culvert). The delineation report must be approved by the BCWMC Engineer on behalf of the BCWMC as the LGU. A Joint Permit Application Delineation Approval Request should be submitted with the delineation report. If work will be done within a wetland, the appropriate application must also be submitted for review and approval (i.e. temporary impact, permanent impact, or exemption). The wetland application should consider if upsizing the culvert and adding a ditch will change the hydrology of the downgradient wetland.
2. A fee for the wetland review must be provided in accordance with the January 1, 2014 fee schedule.







To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 4G – Sochacki Trail Paving Project – Robbinsdale
Date: September 9, 2015
Page: 3
Project: 23270051 2015 2057

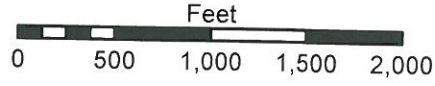
3. Grading a drainage swale into North Rice Lake may trigger the need for a Public Waters Work Permit from the Minnesota Department of Natural Resources.
4. Revised drawings must be provided to the BCWMC Engineer for final review and approval.

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Imagery Source: Aerial Express (2009)

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



**LOCATION MAP
APPLICATION 2015-26
Sochacki Trail Paving
Robbinsdale, MN**

BCMWC 2015 Watershed Management Plan
September 2015

Approved by the Minnesota Board of Water and Soil Resources (BWSR)
August 27, 2015

Adopted by the Bassett Creek Watershed Management Commission (BCWMC)
September 17, 2015

Commissioners

Guy Mueller, Crystal
Stacy Hoschka, Golden Valley
Clint Carlson, Medicine Lake

Michael Welch, Minneapolis
Jacob Millner, Minnetonka
John Elder, New Hope

Ginny Black, Plymouth
Wayne Sicora, Robbinsdale
Jim de Lambert, St. Louis Park

Alternate Commissioners

Jane McDonald Black,
Golden Valley
Gary Holter, Medicine Lake

Lisa Goddard, Minneapolis
Patty Acomb, Minnetonka
Pat Crough, New Hope

David Tobelmann, Plymouth
Michael Scanlan, Robbinsdale
Patrick Noon, St. Louis Park

Prepared for the BCWMC with assistance from:

Plan Steering Committee

Committee Chair Linda Loomis, Commissioner Ginny Black, Commissioner Clint Carlson, Alt. Commissioner Pat Crough, Former Commissioner John Elder, Alt. Commissioner Lisa Goddard, Former Commissioner Ted Hoshal, Commissioner Guy Mueller, Alt. Commissioner David Tobelmann

Technical Advisory Committee (during Plan development)

Tom Mathisen, Crystal
Mark Ray, Crystal
Eric Eckman, Golden Valley
Joe Fox, Golden Valley
Jeff Oliver, Golden Valley
Clint Carlson, Medicine Lake

Lois Eberhart, Minneapolis
Liz Stout, Minnetonka
Guy Johnson, New Hope
Chris Long, New Hope
Bob Paschke, New Hope
Derek Asche, Plymouth

Richard McCoy, Robbinsdale
Perry Edman, St. Louis Park
Phil Elkin, St. Louis Park
Erick Francis, St. Louis Park

BCWMC Staff

Laura Jester, Administrator, Keystone Waters, LLC
Troy Gilchrist and Charlie LeFevere, Attorneys, Kennedy & Graven
Greg Williams, Karen Chandler, Jim Herbert, and Len Kremer, Engineers, Barr Engineering Co.
Susan Virnig, Deputy Treasurer, City of Golden Valley
Amy Herbert, Recorder

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.

Karen L. Chandler

Karen L. Chandler

Reg. No 19252 Date September 18, 2015



Bassett Creek Watershed Management Commission

September 21, 2015

Dear Bassett Creek Watershed Management Commission Member Cities, Agencies, and Partners,

On behalf of the Bassett Creek Watershed Management Commission, I thank you for your input and assistance with the development of the 2015 – 2025 BCWMC Watershed Management Plan! Enclosed is a copy of the plan (if requested). The entire Plan is also available at www.bassettcreekwmo.org.

The 2015 – 2025 BCWMC Watershed Management Plan was developed with input from BCWMC Commissioners, Alternate Commissioners, Steering Committee members, and staff along with staff and officials from the member cities, residents, state agencies, the Metropolitan Council, Hennepin County, lake organizations, and park districts. It was a big effort with many good discussions and decisions resulting in goals and policies that will benefit the lakes, streams, and wetlands of the watershed. (Appendix E in the Plan describes the outreach and public involvement process and results.)

The Plan was prepared and reviewed in accordance with the requirements of Minn. Stat. § 103B.231. This process included a 60-day review period of the draft Plan. The BCWMC addressed every comment and revised the Plan in response to the comments. The process further included a public hearing on May 21, 2015 (no comments were received), and a 90-day review period of the revised Plan that began on June 1, 2015. The Plan was revised after the 90-day review period in response to comments received and to add clarification to other areas of the Plan. There were no significant changes to policies or requirements. The revisions included:

- Minor revisions to the inventory section (Section 2), including updates to Figure 2-7 to show recently updated Wellhead Protection Areas in the City of St. Louis Park
- Additional text to clarify roles and responsibilities regarding the management of the old and new Bassett Creek tunnels (Sections 2 & 5; Appendices I & H)
- Revisions to policy 12 (Section 4) allowing cities to use a BCWMC-approved alternative to the MIDS Design Sequence Flow Chart
- Clarifying revisions to the Requirements for Improvements and Development Proposals document (App. H)

The 2015-2025 BCWMC Watershed Management Plan was approved by the Minnesota Board of Water and Soil Resources on August 27, 2015 and adopted by the Bassett Creek Watershed Management Commission on September 17, 2015. The requirements and policies of the Plan are now in effect.

The BCWMC reminds member cities of their obligation to adopt and amend local water management plans in accordance with Minn. Stat. § 103B.235 and Minn. Rules Chapter 8410, as amended. Please contact the BCWMC Administrator if you have questions or need assistance with this process.

The BCWMC looks forward to continued cooperation on projects and programs that benefit our water resources and communities!

Sincerely,

Jim de Lambert, Chair

Bassett Creek Watershed Management Commission

7800 Golden Valley Road | Golden Valley, MN 55427 | www.bassettcreekwmo.org | Established 1968

Crystal | Golden Valley | Medicine Lake | Minneapolis | Minnetonka | New Hope | Plymouth | Robbinsdale | St. Louis Park



Item 5Aiv.
BCWMC 9-17-15

August 27, 2015

Board of Commissioners
Bassett Creek Watershed Management Commission
c/o Laura Jester, Administrator
Keystone Waters, LLC
16145 Hillcrest Lane, Eden Prairie, MN 55346

Dear Chair and Managers:

I am pleased to inform you that the Minnesota Board of Water and Soil Resources (Board) has approved the Bassett Creek Watershed Management Commission (BCWMC) revised Watershed Management Plan (Plan) at its regular meeting held on August 27, 2015. For your records I have enclosed a copy of the signed Board Order that documents approval of the Plan. Please be advised that the BCWMC must adopt and implement the Plan within 120 days of the date of the Order, in accordance with MN Statutes 103B.231, Subd. 10.

The managers, staff, consultants, advisory committee members, and all others involved in the planning process are to be commended for developing a plan that clearly presents water management goals, actions, and priorities of the watershed. With continued implementation of your Plan, the protection and management of the water resources within the watershed will be greatly enhanced to the benefit of the residents. The Board looks forward to working with you as you implement this Plan and document its outcomes.

Please contact Steve Christopher of our staff at 651-296-2633, or at the central office address for further assistance in this matter.

Sincerely,

Brian Napstad
Chair

Enclosure

cc's on next page

Page 2

Bemidji 403 Fourth Street NW Suite 200 Bemidji, MN 56601 (218) 755-2600	Brainerd 1601 Minnesota Drive Brainerd, MN 56401 (218) 828-2383	Duluth 394 S. Lake Avenue Suite 403 Duluth, MN 55802 (218) 723-4752	Fergus Falls 1004 Frontier Drive Fergus Falls, MN 56537 (218) 736-5445	Mankato 12 Civic Center Plaza Suite 3000B Mankato, MN 56001 (507) 344-2821	Marshall 1400 East Lyon Street Marshall, MN 56258 (507) 537-6060	New Ulm 261 Highway 15 South New Ulm, MN 56073 (507) 359-6074	Rochester 3555 9 th Street NW Suite 350 Rochester, MN 55901 (507) 206-2889
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Central Office / Metro Office 520 Lafayette Road North Saint Paul, MN 55155 Phone: (651) 296-3767

Fax: (651) 297-5615

www.bwsr.state.mn.us TTY: (800) 627-3529 An equal opportunity employer

Board of Managers

August 27, 2015

Page 2 of 2

cc: Randy Anhorn, Hennepin County (via email)
Jeanne Daniels, DNR (via email)
Kate Drewry, DNR (via email)
Pat Bailey, MDH (via email)
Rob Sip, MDA (via email)
Judy Sventek, Metropolitan Council (via email)
Juline Holleran, MPCA (via email)
Rachel Olmanson, MPCA (via email)
Beth Neuendorf, MNDOT (via email)
Jim Haertel, BWSR (via email)
Steve Christopher, BWSR (via email)
File Copy

Minnesota Board of Water and Soil Resources
520 Lafayette Road North
Saint Paul, Minnesota 55155

In the Matter of the review of the Watershed Management Plan for the **Bassett Creek Watershed Management Commission**, pursuant to Minnesota Statutes Section 103B.231, Subdivision 9.

**ORDER
APPROVING
WATERSHED
MANAGEMENT PLAN**

Whereas, the Board of Commissioners of the Bassett Creek Watershed Management Commission (Commission) submitted a Watershed Management Plan (Plan) to the Minnesota Board of Water and Soil Resources (Board) pursuant to Minnesota Statutes Section 103B.231, Subd. 9, and;

Whereas, the Board has completed its review of the Plan;

Now Therefore, the Board hereby makes the following Findings of Fact, Conclusions and Order:

FINDINGS OF FACT

1. **WMO Establishment.** The Bassett Creek Flood Control Commission was formed in 1968 primarily to study flooding issues in the watershed and adopted a watershed management plan in 1972. In 1984, the Bassett Creek Watershed Management Commission was created after revising the Flood Control Commission's joint powers agreement. The Commission prepared its first generation watershed management plan that the Board approved in July 1989.
2. **Authority to Plan.** The Metropolitan Surface Water Management Act requires the preparation of a watershed management plan for the subject watershed area which meets the requirements of Minnesota Statutes Sections 103B.201 to 103B.251. The watershed management plan may be amended according to Minnesota Statutes Section 103B.231, subd. 11. The second generation plan was approved by the Board in August 2004. Subsequently, the Commission completed five major and four minor amendments between 2005 and 2015.
3. **Nature of the Watershed.** The Commission is located in the heart of Hennepin County. It is bound by the Mississippi River WMO to the east, on the south and west by the Minnehaha Creek Watershed District, on the northwest by the Elm Creek WMO, and on the north by Shingle Creek WMO. The watershed encompasses all or part of the following nine cities: Plymouth, Medicine Lake, Golden Valley, Robbinsdale, Crystal, New Hope, Minnetonka, St. Louis Park, and Minneapolis. Bassett Creek discharges into

the Mississippi River in downtown Minneapolis below St. Anthony Falls. The watershed contains five major lakes and three creek branches. The Bassett Creek watershed covers 39.6 square miles and is predominantly fully developed.

4. **Plan Development and Review.** The Commission began the Plan development process in late 2012 with early input from the agencies and stakeholders. They followed that with an extensive public participation process called the Watershed Assessment and Visioning Exercise (WAVE) which included input from member cities, the Commission, TAC members and technical partners. The Commission created a Plan Steering Committee to review and discuss Plan elements and make recommendations to the Commission. The draft revised Plan was submitted to the Board, other state agencies, and local governments for the 60-day review on December 2, 2014. A public hearing was held on May 21, 2015. On June 1, 2015, the final draft of the revised Plan was received by the Board and other state agencies for the final 90-day period.
5. **Local Review.** The Commission circulated a copy of the draft Plan to local units of government for their review pursuant to Minnesota Statutes Section 103B.231, subd. 7. The City of Minneapolis, Minneapolis Park and Recreation Board, Association of Medicine Lake Area Citizens and Hennepin County all provided comments which were addressed by the Commission.
6. **Metropolitan Council Review.** The Metropolitan Council commended the Commission on their efforts and offered assistance where available in the implementation of the Plan.
7. **Department of Agriculture Review.** The MDA provided several references to be included in the Plan which have been included.
8. **Department of Health Review.** The MDH did not comment on the Plan.
9. **Department of Natural Resources Review.** The DNR provided comments on Rare Species and project design.
10. **Pollution Control Agency Review.** The PCA requested corrections to several tables which have been made.
11. **Department of Transportation Review.** The DOT comments focused largely on the Standards. The Commission has held separate meetings with the DOT to address these.
12. **Board Review.** Board staff requested additional clarifications within the CIP, which have been addressed.
13. **Plan Summary.** The Plan development utilized an extensive public participation process which included input from member cities, the Commission, TAC members and technical

partners to establish numerous goals. The goals include, but are not limited to, the following:

- Manage the surface water resources of the watershed to meet or exceed state standards and Commission water quality goals for wetlands, lakes, and streams.
- Improve the quality of stormwater runoff reaching the Mississippi River by reducing nonpoint source pollution.
- Reduce stormwater runoff volume for the purposes of improving water quality.
- Protect human life, property, and surface water systems that could be damaged by flood events.
- Reduce stormwater runoff rates and volumes to minimize flood problems, flood damages, and the future costs of stormwater management systems.
- Provide leadership and assist member cities with coordination of intercommunity stormwater runoff issues.
- Protect the quantity and quality of groundwater resources.
- Raise awareness of the Commission's existence and its role in protecting and improving water quality, minimizing flooding, and preserving the watershed's ecological functions and aesthetics.
- Minimize the spread and manage the adverse impacts of harmful aquatic invasive species.
- Develop a greater understanding of climate change and its impact on water resources, including stormwater infrastructure capacity and flooding, and develop strategies to appropriately manage future impacts.

The Commission will continue its success in the implementation of Capital Improvement Projects through financing from an ad valorem tax levied by Hennepin County under MN Stat. § 103B.251 as well as city contributions and grant funding, as available.

The Commission will continue to provide review of improvements and developments as well as providing standards and requirements for member city ordinances. The Commission holds the member cities accountable and depends on local leadership through the following roles:

- Commissioner and Alternate Commissioner appointment
- Technical Advisory Committee participation
- Project Review & Permitting
- Local Water Management Plan
- Official Controls (Ordinances)
- Capital Improvement Projects
- Land Acquisition
- Finances

14. **Metro Region Committee Meeting.** On August 4, 2015, the Board's Metro Region Committee and staff met in St. Paul to review and discuss the Plan. Those in attendance from the Board's Committee were Jill Crafton, Jack Ditmore, Rebecca Flood, Faye Sleeper and Joe Collins, chair. Board staff in attendance were Metro Region Supervisor Jim Haertel and Board Conservationist Steve Christopher. The Commission representatives included Administrator Laura Jester, Chair Jim de Lambert, Vice Chair Guy Mueller and Commission Engineers Karen Chandler and Greg Williams. Following a presentation by the Commission, Board staff recommended approval of the Plan. After discussion, the Committee unanimously voted to recommend approval of the Plan to the full Board.

CONCLUSIONS

1. All relevant substantive and procedural requirements of law and rule have been fulfilled.
2. The Board has proper jurisdiction in the matter of approving a Watershed Management Plan for the Bassett Creek Watershed Management Commission pursuant to Minnesota Statutes § 103B.231, Subd. 9.
3. The Bassett Creek Watershed Management Commission Watershed Management Plan attached to this Order defines water and water-related problems within the Commission's boundaries, possible solutions thereto, and an implementation program.
4. The attached Watershed Management Plan is in conformance with the requirements of Minnesota Statutes §§ 103B.201 to 103B.251.

ORDER

The Board hereby approves the attached Watershed Management Plan dated May 2015, as the Watershed Management Plan for the Bassett Creek Watershed Management Commission.

Dated at Red Wing, Minnesota this 27th day of August 2015.

MINNESOTA BOARD OF WATER AND SOIL RESOURCES


BY: Brian Napstad, Chair



BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

RESOLUTION NO. _____

RESOLUTION ADOPTING WATERSHED MANAGEMENT PLAN

WHEREAS, the Commission is the Watershed Management Organization responsible for preparing a watershed plan for the Bassett Creek Watershed, pursuant to Minn. Stat. § 103B.231; and

WHEREAS, the Commission has prepared such watershed plan entitled, "2015-2025 Watershed Management Plan", (hereinafter the "Plan"); and

WHEREAS, the Plan has been reviewed in accordance with the requirements of Minn. Stat. § 103B.231; and

WHEREAS, the Plan was approved by the Minnesota Board of Water and Soil Resources on August 27, 2015; and

WHEREAS, the Commission finds that the adoption of the Plan is in accordance with the requirements of law and in the best interests of the public;

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

1. The Plan is hereby adopted in accordance with Minn. Stat. § 103B.231, Subd. 10.
2. Staff is directed to transmit a copy of the Plan to all member cities, review agencies, and partners along with a letter expressing the gratitude of the Commission for their assistance in preparing the Plan and advising the cities of their obligation to adopt and amend local water management plans in accordance with Minn. Stat. § 103B.235.

Adopted by the Board of Commissioners of the Bassett Creek Watershed Management Commission this 17th day of September, 2015.

Chair

ATTEST:

Secretary



Item 5B.
BCWMC 9-17-15

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

A RESOLUTION OF APPRECIATION FOR THE SERVICES OF LINDA LOOMIS
TO THE BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

WHEREAS, the Bassett Creek Watershed Management Commission (the "Commission") is a joint powers organization formed by the cities of Crystal, Golden Valley, Medicine Lake, Minneapolis, Minnetonka, New Hope, Plymouth, Robbinsdale and St. Louis Park; and

WHEREAS, the Commission serves as the duly constituted watershed management organization for the Bassett Creek watershed pursuant to Minnesota Statutes, Sections 103B.201-103B.253 (the "Metropolitan Area Surface Water Management Act"); and

WHEREAS, under said Act, and the Commission's joint powers agreement, the Commission is charged with responsibility for the management of storm water to protect persons and property from flooding and to protect and preserve the water quality of lakes, streams and wetlands of the Bassett Creek Watershed and downstream receiving waters; and

WHEREAS, Linda Loomis served as Chair of the Next Generation Plan Steering Committee for the Bassett Creek Watershed Management Commission from 2013 to 2015; and

WHEREAS, Linda led twenty-four Plan Steering Committee meetings and four workshops during the development of the 2015 – 2025 Bassett Creek Watershed Management Commission's Watershed Management Plan; and

WHEREAS, Linda provided leadership to the Committee and thoughtful insight and input during discussions with state agencies, member cities, and partnering organizations throughout the development of the Plan; and

WHEREAS, Linda gave generously of her time and talents, without compensation, to protect and improve the environment and to serve the public with integrity, vision, and respect for others.

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Bassett Creek Watershed Management Commission, its member cities, and the public hereby express its sincere and grateful appreciation to Linda Loomis for her distinguished service to the Commission.

Adopted by the Board of Commissioners of the Bassett Creek Watershed Management Commission this 17th day of September, 2015.

Chair



September 4, 2015

Bassett Creek Watershed Management Commission
 Laura Jester, Administrator
 Via email: laura.jester@keystonewaters.com

SUBJECT: Proposal for Feasibility Study for CIP Project 2017 CR-M –
 Bassett Creek Main Stem Downstream of Wirth Park

Dear Ms. Jester:

Attached please find the Barr Engineering Proposal for CIP Project 2017 CR-M, dated September 4, 2015. I am requesting authorization to move forward with the Feasibility Study, with payment by the BCWMC .

The Cost Estimate is broken down into three areas:

- | | | |
|-------|--|----------------------------|
| 1) | <u>Cedar Lake Road to Irving Avenue</u>
This is the reach specifically named on the 10-year Table of CIP Projects. | (Base Price) \$72,800 |
| 2) | <u>Irving Avenue to the entrance to the Old Bassett Creek Tunnel</u>
This is the remaining extent of the creek channel before entrances to either of the Bassett Creek Tunnels (Old and New). | (Additional cost) \$ 9,500 |
| 3) | <u>Fruen’s Mill Reach</u>
This is the portion of the previous project, CIP Project 2012 CR, which could not be completed due to access and floodplain elevation issues. | (Additional cost) \$ 4,500 |
| TOTAL | | \$86,800 |

The City of Minneapolis is recommending acceptance of the full scope at the cost of \$86,800 because it is the most cost-effective approach to determining condition and restoration needs of the entire portion of the creek lying within Minneapolis.

Thank you for your consideration of this proposal.

Sincerely,

Lois Eberhart
 City of Minneapolis Water Resources Regulatory Administrator, and
 Minneapolis Representative to Bassett Creek Technical Advisory Committee

Cc: Michael Welch and Lisa Goddard, BCWMC (via email)



September 4, 2015

Ms. Lois Eberhart
City of Minneapolis
Public Works Department
309 2nd Avenue South
Minneapolis, MN 55401

Re: Bassett Creek Feasibility Study – Cedar Lake Road to Old Bassett Creek Tunnel

Dear Ms. Eberhart:

On behalf of Barr Engineering, we are pleased to provide this scope of work to complete a feasibility study for the Main Stem of Bassett Creek downstream of the project currently nearing completion that ends at Wirth Park. This study would examine methods to stabilize and restore areas of within this corridor. This project is currently included in the current CIP for construction in 2017; however it is not in the Resources Management Plan (RMP).

This project is consistent with the goals (Section 4.1) and policies (Section 4.2.5) for stream restoration and protection in the (draft) 2015 – 2025 BCWMC Watershed Management Plan. The City of Minneapolis requested the project be completed in 2017; the project would address the issues identified in past erosion inventories completed by the Minneapolis Park and Recreation Board (MPRB), as well as any new sites discovered during the study.

As is required for BCWMC CIP Projects, a feasibility study must be completed that includes a preliminary analysis and design for the project, including preliminary construction cost estimates. The feasibility study must be completed prior to BCWMC holding a hearing as preface to ordering the projects. It is expected that the USACE will require this feasibility study to meet the pre-application protocols laid out for the RMP restoration projects. The protocols include review of cultural resources, wetland delineations, wetland functional assessment, and wetland impacts which are beyond typical feasibility studies.

Due to the high risk of contamination along this reach, it is also important to scope soil contamination issues in this feasibility study to accurately estimate the total project costs. To address this, a Phase I and Phase II level environmental study of contamination issues is included as part of the feasibility study scope.

Content and Scope of Feasibility Study for 2017 Stream Restoration Project

Through the BCWMC's RMP process, the Corps of Engineers (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. 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 feasibility study. The feasibility study will incorporate the unbuilt sites examined in the Golden Valley to Cedar Lake Road feasibility study, in the Fruen's mill area, as well. We have not included the Irving to Dupont reach in the base price of this work scope because the BCWMC 2017-CR-M CIP line item currently identifies the project as only between Cedar Lake Road and Irving Avenue, but we can include the reach to the entrance of the Old Bassett Creek Tunnel at the intersection of Dupont Avenue and Second Avenue (the downstream end of the BCWMC jurisdiction for Bassett Creek), if BCWMC is willing to add that reach to the study limits. Additionally, we have included as an add alternate the Furen's Mill reach for inclusion in the study.

The stream restoration project will include excavation and grading activities which may have the potential to encounter legacy contamination issues associated with historical land uses at properties adjoining the creek. Environmental investigations should be conducted to further address that concern. The proposed work scope for the study would include a limited Phase I Environmental Site Assessment (Phase I) to review available records for properties in the project area (regulatory databases, historical air photos, interviews with people knowledgeable about the historical land use, etc.). The Phase I review would focus on summarizing soil contamination data already compiled in the Hennepin County Bassett Creek Areawide Groundwater Study Environmental Data Access Tool, which covers the proposed stream restoration area. If potential concerns or data gaps regarding the extent of contamination are identified during the Phase I, then a Phase II field investigation would be completed. The Phase II investigation would include collection of environmental samples from the project area for laboratory analyses to determine if contamination is present. The cost and scope of the Phase II investigation would be guided by the results of the Phase I. In general, the Phase II would focus on areas where historical contamination is suspected and where data is not already available, with emphasis on locations where excavation is planned for the stream restoration project.

If contamination is identified during the Phase I/II process, then a Response Action Plan (RAP) would be prepared as part of the restoration project. This would outline the measures that will be taken to address the contamination as part of the stream restoration project itself. Grant reimbursement programs are also available that may assist in off-setting the cost of environmental investigation and cleanup. Specific grant programs that might be available to off-set the cost of cleanup could be investigated as part of the project design.

Below is a summary of the required feasibility study content for of this project:

Discuss project requirements

- Project kick off conference call with City of Minneapolis Public Works and MPRB staff.

- Hold two meetings with USACE and MN DNR; one to discuss initial concept alternatives and review permit requirements and a second meeting to discuss refined concept alternatives and review permit requirements for project. Barr will obtain written confirmation of discussion results.

Reach Evaluation and Concept Plans

- Field work and site visits of the reach – review previously identified in 2011 study, 2005 MPRB erosion survey and additional new erosion/sedimentation sites.
- Review WSB plans for Fruen’s Mill reach.
- Review available hydraulic modeling for this reach.
- Review and summarize background information related to this reach.
- Develop concept plans and cost estimates for stream restoration for this reach.

Wetland Impacts Evaluation

- Collect base data (GIS air photos, soil survey, NWI maps, etc.) for field wetland assessments. Based on past work, it is assumed that no wetlands are present within this reach except for Bassett Creek itself. If wetlands are found on site, full delineation and assessment will occur during design phase.

Archeological Evaluation

- Document cultural resource reconnaissance surveys that will scope potential issues that may factor into the USCOE permit conditions and cost estimate.

Soil conditions survey

- Perform Phase I/II environmental study to identify soil contamination issues (need for and cost of Phase II dependent upon Phase I results).

Feasibility Report

- Draft report for review.
- Attendance at a Minneapolis public meeting/open house
- Final report for project hearing

Cost Estimate

We have prepared the following cost estimate for the scope of work outlined above into 1) A base cost for the Cedar Lake Road to Irving Avenue CIP reach, 2) additional cost for inclusion of the Irving Avenue to

2nd Avenue North/Dupont Avenue North, and 3) additional cost to include bank stabilization measures at the Fruen's Mill area.

Cedar Lake Road to Irving Avenue CIP Reach

Task	Estimated Cost
Initial meetings with USACE and MN DNR	\$2,500
Information review, reach evaluation and development of concept alternatives and cost estimates	\$17,700
Wetland assessment	\$2,600
Archeological evaluation	\$600
Phase I soil contamination investigation	\$10,000
Phase II soil contamination investigation (scope dependent on Phase I results)	\$20,500
Feasibility Report	\$18,900
Total	\$72,800

Irving Avenue to 2nd Avenue North/Dupont Avenue North Reach

Additional cost items:

Task	Estimated Cost
Information review, reach evaluation and development of concept alternatives and cost estimates	\$4,500
Wetland assessment	\$2,000
Feasibility Report	\$3,000
Total for additional scope 2	\$9,500
Total Feasibility Study Cost w/ additional scope 2	\$82,300

Fruen's Mill Reach

Additional cost items:

Task	Estimated Cost
Information review, reach evaluation and development of concept alternatives and cost estimates	\$2,500
Feasibility Report	\$2,000
Total for additional scope 3	\$4,500
Total Feasibility Study Cost w/ additional scope 3	\$86,800

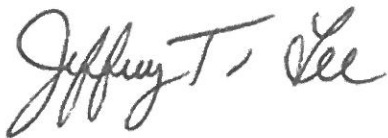
Schedule

We will be able to complete the tasks and milestones outlined in the scope of work on the following schedule.

Tasks and milestones	Estimated Completion Date
Kick-off meeting with City of Minneapolis and MPRB	September 21, 2015
Information review and reach evaluation	October 4, 2015
Hold initial meeting with City, MPRB, USACOE, and MN DNR	October 12, 2015
Complete wetland assessment	October 18, 2015
Complete archeological investigation	October 18, 2015
Phase I soil contamination investigation	November 2, 2015
Develop initial concept alternatives; develop preliminary cost estimates	September 25 2015
Hold second meeting with City, MPRB, USACOE, and MN DNR	November 12, 2015
Revise and refine concept alternatives and cost estimates	November 23, 2015
Phase II soil contamination investigation (scope dependent on Phase I results)	November 23, 2015
Draft Feasibility Report for City and MPRB review	December 7, 2015
Draft Feasibility Report - BCWMC review	January 21, 2016
Final Feasibility Report – BCWMC Approval	March 17, 2016

Please feel free to contact Jeff Lee at 218-529-7168 or jefflee@barr.com or Jeff Weiss at 952-832-2706 or jweiss@barr.com with any comments or questions about this scope of work and cost estimate.

Sincerely,



Jeffrey T. Lee
Senior Ecologist, Vice President



Jeff Weiss, P.E.
Senior Water Resources Engineer

**COOPERATIVE AGREEMENT
FOR
PREPARATION OF A FEASIBILITY REPORT FOR THE MAIN STEM
CHANNEL RESTORATION PROJECT IN MINNEAPOLIS (2017CR-M)**

This Agreement is made as of this ____ day of _____, 2015, by and between the Bassett Creek Watershed Management Commission, a joint powers watershed management organization (hereinafter the “Commission”), and the City of Minneapolis, a Minnesota municipal corporation (hereinafter the “City”).

WITNESSETH:

WHEREAS, the Commission adopted the Bassett Creek Watershed Management Commission Water Management Plan, 2015-2025 on September 17, 2015 (the “Plan”), a watershed management plan within the meaning of Minn. Stat. § 103B.231; and

WHEREAS, the Plan, includes in the Commission’s Capital Improvement Program (“CIP”) a project referred to as Main Stem Channel Restoration, Cedar Lake Road to Irving Avenue (2017CR-M) (the “Project”); and

WHEREAS, the Joint Powers Agreement for the Commission requires the preparation of a feasibility report for projects in its CIP; and

WHEREAS, the City is willing to prepare a feasibility report for the Project on the terms and conditions hereinafter set forth.

NOW, THEREFORE, ON THE BASIS OF THE PREMISES AND MUTUAL COVENANTS HEREINAFTER SET FORTH, THE PARTIES AGREE AS FOLLOWS:

1. Project. The Project will consist of restoring all or portions of the main stem of Bassett Creek in Minneapolis from the Fruen Mill area to the entrance of the Bassett Creek tunnel.
2. Feasibility Report. The City will prepare a feasibility report for the Project (the “Report”) in accordance with the Proposal from Barr Engineering attached as Attachment One. The City will provide the Commission the Report upon its completion.
3. Reimbursement. The Commission will reimburse the City up to _____ Dollars (\$ _____) of the cost of preparing the Report. Once the Report is completed, the City will provide the Commission a summary of the costs to prepare the Report and a request for reimbursement. The Commission will process the request and reimburse the City in accordance with the terms of this Agreement.

4. Reimbursement Limits. Reimbursement to the City will not exceed the amount specified in paragraph 3. Reimbursement will not exceed the costs and expenses incurred by the City for preparation of the Report, less any amounts the City receives for preparation of the Report as grants from other sources. All costs of preparing the Report incurred by the City in excess of such reimbursement shall be borne by the City or secured by the City from other sources.
5. Audit. All City books, records, documents, and accounting procedures related to the preparation of a Report are subject to examination by the Commission.

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

BASSETT CREEK WATERSHED
MANAGEMENT COMMISSION

By: _____
Its Chair

And by: _____
Its Secretary

CITY OF MINNEAPOLIS

By: _____
Its _____

And by: _____
Its _____

ATTACHMENT ONE
WSB Project Proposal

[attached hereto]

Item 5F. BCWMC 9-17-15

**AGREEMENT
BETWEEN THE METROPOLITAN COUNCIL
AND BASSET CREEK WATERSHED MANAGEMENT COMMISSION
FOR REIMBURSEMENT OF STAFF TIME**

This Agreement is made and entered into by and between the **Metropolitan Council** (“Council”), a public corporation and political subdivision of the State of Minnesota, and the **Basset Creek Watershed Management Commission**, a special purpose local unit of government located in Hennepin County, Minnesota (“BCWMC”).

WHEREAS:

1. Minnesota Statutes Section 473.405 Subd. 4 gives the Council the authority to engineer, construct, equip, and operate transit and paratransit systems, projects, or any parts thereof, including facilities useful or related to public transit; and
2. The Council is engaged in various planning and preparation activities regarding the development of a METRO Blue Line Light Rail Train (BLRT) Extension between downtown Minneapolis and Brooklyn Park, Minnesota (the “Project”). The Council has adopted light rail transit (“LRT”) as the Locally Preferred Alternative (“LPA”) for the transitway. The Council is in the “Project Development” phase of the Federal Transit Administration (“FTA”) New Starts process and is authorized to engage in project development activities to secure the appropriate federal, state, and local approvals to advance the Project into the Engineering Phase.
3. The LPA shows the proposed BLRT Extension as crossing through the Basset Creek Watershed, which is governed by BCWMC.
4. The BCWMC is a local unit of government created by a joint powers agreement (“JPA”) between multiple municipalities for the purpose of controlling flooding, maintaining and enhancing the quality of the surface and groundwater resources in the watershed.
5. The BCWMC is authorized by its JPA and implements through its Watershed Management Plan a program to review development and improvement projects to ensure that they conform to the policies and requirements of the BCWMC and to collect established fees for such reviews.
6. BCWMC review of large and complicated improvement projects such as the Project include attendance at multiple meetings with Project, agency and city staff; consultation regarding plans for stormwater management and hydraulic processes; and assistance with and review of hydrologic modeling.
7. The current BCWMC project review fee structure does not enable it to recoup the total costs of the activities in section 6 above.
8. Further, the BCWMC is the Local Government Unit authorized to implement the Minnesota Wetland Conservation Act (“WCA”) for land within the Bassett Creek Watershed within the City of Robbinsdale.
9. The Cities of Crystal, Golden Valley, and Minneapolis have requested assistance from BCWMC with tasks associated with the Project which fall under the WCA.
10. The BCWMC project review fee structure authorizes the BCWMC to charge applicants, including the Council, for the actual cost of tasks completed during WCA administration including

participating on a Technical Review Panel, reviewing wetland delineation reports and wetland assessments, and reviewing determination requests and mitigation plans.

11. The Parties wish to enter an Agreement to govern the Council's reimbursement of the actual costs of BCWMC staff time spent performing work under this Agreement.

NOW THEREFORE, in consideration of the mutual promises contained in this Agreement, the Parties agree as follows:

I. SCOPE

The purpose of this Agreement is to provide a mechanism through which the Council can reimburse BCWMC for Commission staff time spent on reviewing the Project and other activities associated with the Project as specified in this section. BCWMC staff will engage in consultation regarding hydrology and hydraulics and stormwater management, including attending meetings with Project staff and reviewing associated modeling. BCWMC staff will review project designs and provide information about standard BCWMC requirements. BCWMC staff may also engage in wetland delineation review, review of potential incidental wetland determination requests, potential Minnesota Routine Assessment Method (MNRAM) review, pre-application communication, attending related meetings, and wetland permitting. BCWMC agrees to perform these activities in a satisfactory and proper manner under applicable federal, state, and local law. The projected cost of these activities is shown in Exhibit A, which is incorporated by reference. The Council will reimburse BCWMC for actual costs of staff and consultant time spent on activities supporting the Project in an amount not to exceed \$30,000 pursuant to the terms of this Agreement.

II. COMPENSATION, METHOD OF PAYMENT

2.01 Maximum Total Compensation. The maximum total compensation to be paid to BCWMC for work performed under this Agreement must not exceed \$30,000.

2.02 Method of Payment. BCWMC will submit to the Council a monthly, written invoice referencing this Agreement number and containing a detailed list of project labor and hours showing, for each task described in Section I above, the hours, rate, titles, and amounts actually paid for the Project work, and any supporting documentation. Upon verification and acceptance by the Council, the Council will pay BCWMC within 30 days.

2.03 Flat Fees. In consideration of the Council's payment of actual costs as specified in this Agreement, BCWMC shall not charge the Council its standard, flat fees which would otherwise apply for the work anticipated by this Agreement.

III. GENERAL TERMS

3.01 Term and Termination. This Agreement is effective as of June 29, 2015 and will terminate on the earlier of December 31, 2017 or the date that all obligations have been satisfactorily fulfilled. This Agreement may be terminated upon 30 days' written notice by either Party, or immediately upon mutual agreement of the Parties. Termination of this agreement will not relieve the Council of its

obligation to reimburse the BCWMC for its actual costs, up to the amount specified in Section 2.01, until the effective date of the termination.

3.03 Audits. As required by Minnesota Statutes, section 16C.05, the records, books, documents, and accounting procedures and practices of BCWMC relating to work performed pursuant to this agreement shall be subject to audit and examination by the Council and the Legislative Auditor or State Auditor. BCWMC shall permit the Council or its designee to inspect, copy, and audit its accounts, records, and business documents at any time during regular business hours, as they may relate to the performance under this agreement. Audits conducted by the Council under this provision shall be in accordance with generally accepted auditing standards. Financial adjustments resulting from any audit by the Council shall be paid in full within 30 days of the BCWMC's receipt of audit.

3.04 Liability. The Parties will be responsible for their own acts and omissions and the results thereof to the extent authorized by law. The BCWMC and the Council's liability shall be governed by the Minnesota Municipal Tort Claims Act, Minnesota Statutes Chapter 466, and other applicable law. Each party will be solely responsible for its own employees for any worker compensation claims.

3.05 Waiver. The failure by the non-breaching party to insist in any one or more instances upon the performance of any term or condition of the agreement shall not be construed as a waiver or relinquishment of the right to such performance, or to future performance, of such term or condition by the breaching party, and the obligation of both parties for performance of that term or condition shall continue in full force and effect.

3.06 Amendments. The terms of this agreement may be changed by mutual agreement of the Parties. Such changes shall be effective only on the execution of written amendment(s) signed by the Council and the BCWMC.

3.07 Assignment. Neither party shall transfer its rights or obligations under this Agreement without the express written consent of the other Party.

3.08 Data Practices. The Parties will comply with the Minnesota Government Data Practices Act, Minnesota Statutes, Chapter 13, as it applies to all data created, collected, received, stored, used, maintained, or disseminated in accordance with this Agreement. The civil remedies of Minnesota Statutes, section 13.08, apply to the release of the data referred to in this section by either Party.

3.09 Notice. Notice for purposes of this Agreement shall be sufficient if personally delivered or sent by certified mail to the other party at the following addresses:

For the Council:

Kathryn O'Brien
Blue Line Extension Project Office
5514 W. Broadway Ave #200
Crystal, MN 55428
Kathryn.obrien@metrotransit.org

For the BCWMC:

Laura Jester
BCWMC Administrator
c/o 16145 Hillcrest Lane
Eden Prairie, MN 55346
laura.jester@keystonewaters.com

3.10 Severability. The provisions of this agreement shall be deemed severable. If any part of this agreement is rendered void, invalid, or unenforceable, such rendering shall not affect the validity and enforceability of the remainder of this agreement unless the part(s) which are void, invalid or otherwise unenforceable shall substantially impair the value of the entire agreement with respect to the parties.

3.11 Federal Clauses. The funding provided by the Council pursuant to this Agreement is composed in part of federal funds. BCWMC shall abide, and shall cause its Contractor or any other entities, employees, agents, or subcontractors performing work under this Agreement to abide by all relevant federal rules and regulations, including but not limited to those regulations identified in Exhibit B, attached hereto and incorporated herein. If there is an inconsistency between Exhibit B and the terms of this Agreement, the terms of Exhibit B will prevail.

3.12 Complete Agreement. This agreement, including exhibits and other documents incorporated in this agreement or made applicable by reference, constitutes the complete and exclusive statement of the terms and conditions of the agreement between the BCWMC and the Council. This agreement supersedes all prior representations, understandings, and communications. The validity in whole or in part of any term or condition of the agreement shall not affect the validity of other terms or conditions.

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their duly authorized representatives on the dates specified below.

METROPOLITAN COUNCIL

**BASSET CREEK WATERSHED MANAGEMENT
COMMISSION**

MarySue Abel
Director, Transit Systems Development

Jim de Lambert
Chair

Date: _____

Date: _____

EXHIBIT A: BCWMC COST ESTIMATE

Total Estimated Costs for non-WCA tasks = \$6,000 - \$10,000

1. Consultation/review regarding hydrology and hydraulics:

Estimated costs: \$3,000 - \$5,000. This covers consultation regarding hydrology and hydraulics (including floodplain discussions), attending two meetings with the Blue Line LRT design team regarding H&H issues, and potential H&H model review. Cost does not include performing the modeling.

2. Review of Project Designs:

Estimated costs: \$3,000 - \$5,000. This covers the costs of the BCWMC review per the Requirements document (e.g., water quality, erosion/sediment control).

WCA administration tasks (Robbinsdale, Crystal, Golden Valley, Minneapolis):

Estimated costs: \$8,000 - \$15,000. This covers wetland delineation review, potential incidental wetland determination request, potential MNRAM review, pre-application communication and two meetings, and wetland permitting.

Exhibit B

FEDERAL TRANSIT ADMINISTRATION (FTA) CLAUSES

The provisions of this exhibit are required because this Agreement is funded in whole or in part by the United States Department of Transportation (USDOT), Federal Transit Administration. The requirements in this exhibit are in addition to and, unless inconsistent and irreconcilable, do not supplant requirements found elsewhere in this Agreement. If any requirement of this exhibit is inconsistent with a provision found elsewhere in this Agreement and is irreconcilable with such provision, the requirement in this exhibit shall prevail. The BCWMC acknowledges that federal requirements in this Exhibit are subject to change and agrees that the most recent of these requirements shall govern this agreement at any particular time.

For the purposes of this exhibit, the term "CONTRACTOR" shall refer to the BCWMC and any independent contractors retained by the BCWMC under this Agreement. Also for the purposes of this exhibit, the term "Contract" shall refer to this Agreement and those entered into by the BCWMC for the purpose of this Agreement.

1. False Statements or Claims and Related Acts. The CONTRACTOR acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. Section 3801 *et seq.*, and USDOT regulations, "*Program Fraud Civil Remedies*," 49 CFR Part 31, apply to its actions pertaining to this Contract. Upon execution of this Contract, the CONTRACTOR certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to this Contract or the FTA-assisted project for which this work is being performed. In addition to other penalties that may be applicable, the CONTRACTOR further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the CONTRACTOR to the extent the Federal Government deems appropriate.

The CONTRACTOR also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. Chapter 53, the Federal Government reserves the right to impose the penalties of 18 U.S.C. Section 1001 and 49 U.S.C. Section 5307(k)(1) and 49 U.S.C. Section 5323(l), or other applicable federal law, on the CONTRACTOR, to the extent the Federal Government deems appropriate.

The CONTRACTOR agrees to include the above language in each subcontract financed in whole or in part with Federal assistance provided by the FTA under this Contract, modified only to identify the subcontractor that will be subject to the provisions.

2. Access to 3rd Party Contract Records. The CONTRACTOR agrees to provide the COUNCIL, the FTA Administrator, the Comptroller General of the United States, and any of their authorized representatives access to any books, documents, papers and records of the CONTRACTOR which are directly pertinent to this Contract for the purposes of making audits, examinations, excerpts, and transcriptions.

3. Changes to Federal Requirements. The CONTRACTOR shall comply with the required FTA clauses set forth in this Contract and with all applicable FTA regulations, policies, procedures and directives including, without limitation, those listed directly or by reference in the agreement between the COUNCIL and FTA. The CONTRACTOR's failure to comply with applicable FTA regulations, policies, procedures, and directives, as they may be amended or promulgated from time to time during the term of this Contract, shall constitute a material breach of this Contract.

4. Civil Rights. The following requirements apply to this Contract:

- A. Nondiscrimination.** In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and federal transit law at 49 U.S.C. § 5332, the CONTRACTOR agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the CONTRACTOR agrees to comply with applicable federal implementing regulations and other implementing requirements FTA may issue.
- B. Equal Employment Opportunity.** The following equal employment opportunity requirements apply to this Contract:
- i. **Race, Color, Creed, National Origin, Sex.** In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and federal transit laws at 49 U.S.C. § 5332, the CONTRACTOR agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 42 C.F.R. Parts 60 *et seq.*, (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of this Contract. The CONTRACTOR agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the CONTRACTOR agrees to comply with any implementing requirements FTA may issue.
 - ii. **Age.** In accordance with section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. §§ 623 and Federal transit law at 49 U.S.C. § 5332, the CONTRACTOR agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the CONTRACTOR agrees to comply with any implementing requirements FTA may issue.
 - iii. **Disabilities.** In accordance with section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the CONTRACTOR agrees that it will comply with the requirements of U.S. Equal Employment Opportunity commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act,"

29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the CONTRACTOR agrees to comply with any implementing requirements FTA may issue.

- C. **Inclusion in Subcontracts.** The CONTRACTOR agrees to include the requirements of this Section 4 in each subcontract under this Contract, modified only to identify the subcontractor that will be subject to the provisions.

5. Executive Order/Special DOL EEO Clauses. The provisions of this section 5 apply only if the value of a subsequent construction contract exceeds ten thousand dollars (\$10,000).

During the performance of this Contract, the CONTRACTOR agrees as follows:

- A. The CONTRACTOR shall not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The CONTRACTOR shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The CONTRACTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the COUNCIL setting forth the provisions of this nondiscrimination clause.
- B. The CONTRACTOR shall, in all solicitations or advertisements for employees placed by or on behalf of the CONTRACTOR state that all qualified applicants shall receive consideration for employment without regard to race, color, religion, sex or national origin.
- C. The CONTRACTOR shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the COUNCIL, advising the labor union or workers' representative of the CONTRACTOR's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- D. The CONTRACTOR shall comply with all provisions of Executive Order No. 11246 of September 24, 1965, and all of the rules, regulations, and relevant orders of the Secretary of Labor.
- E. The CONTRACTOR shall furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and shall permit access to its books, records, and accounts by the COUNCIL and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

- F. In the event of the CONTRACTOR's noncompliance with the nondiscrimination clauses of this Contract or with any such rules, regulations, or orders, this Contract may be cancelled, terminated or suspended in whole or in part and the CONTRACTOR may be declared ineligible for further government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- G. The CONTRACTOR shall include the provisions of paragraphs A through G of this section 5 in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to Section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions shall be binding upon each subcontractor or vendor. The CONTRACTOR shall take such action with respect to any subcontract or purchase order as may be directed by the Secretary of Labor as a means of enforcing such provisions including sanctions for noncompliance: Provided, however, that in the event the CONTRACTOR becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction, the CONTRACTOR may request the United States to enter into such litigation to protect the interests of the United States.

6. Disadvantaged Business Enterprise ("DBE"). (FTA funding with no DBE Goal)

- A. **Nondiscrimination.** Pursuant to 49 CFR section 26.13, the CONTRACTOR, sub-recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. The CONTRACTOR shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the CONTRACTOR to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy, as the COUNCIL deems appropriate. The CONTRACTOR shall include this requirement in all subcontracts pursuant to this Contract.
- B. **Prompt Payment.** The CONTRACTOR agrees to pay subcontractors within ten (10) calendar days of the CONTRACTOR's receipt of payment from the COUNCIL for undisputed services provided by the subcontractor. The CONTRACTOR agrees to pay subcontractors all undisputed retainage payments within ten (10) calendar days of the CONTRACTOR's receipt of payment of retainage from the COUNCIL. The CONTRACTOR shall not postpone or delay any undisputed payments owed subcontractors without good cause and without prior written consent of the COUNCIL. The CONTRACTOR agrees to include in all subcontracts a provision requiring the use of appropriate alternative dispute resolution mechanisms to resolve payment disputes. The CONTRACTOR will not be reimbursed for work performed by subcontractors unless and until the CONTRACTOR ensures that subcontractors are promptly paid for work they have performed. Failure to comply with the provisions of this section may result in the COUNCIL finding CONTRACTOR in noncompliance with the DBE provisions of this Contract.

7. Incorporation of FTA Terms. Specific provisions in this Contract include, in part, certain standard terms and conditions required by USDOT, whether or not expressly set forth in the Contract provisions. All contractual provisions required by USDOT, as set forth in 49 CFR section 18.36 and FTA Circular 4220.1F are hereby incorporated by reference. Notwithstanding anything to the contrary in this Contract, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Contract. The CONTRACTOR shall not perform any act, fail to perform any

act, or refuse to comply with any COUNCIL requests which would cause the COUNCIL to be in violation of the FTA terms and conditions.

8. Integrity Certification/Debarment & Suspension. The provisions of this Section apply only if the amount of this Contract (including the value of any amendments thereto) exceeds \$25,000.

By signing this Contract, the CONTRACTOR certifies that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this Contract by any Federal department or agency. This certification is a material representation of fact upon which the COUNCIL relies in entering this Contract. If it is later determined that the CONTRACTOR knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. The CONTRACTOR shall provide to the COUNCIL immediate written notice if at any time the CONTRACTOR learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

9. Buy America. The provisions of this Section apply only if the amount of this Contract (including the value of any amendments thereto) exceeds \$100,000.

The CONTRACTOR agrees to comply with 49 U.S.C. Section 5323(j) and 49 C.F.R. Part 661, which provide that federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. Section 661.7.

10. Certification of Restrictions on Lobbying; Disclosure. The provisions of this Section apply only if the amount of this Contract (including the value of any amendments thereto) is equal to, or exceeds \$100,000.

The CONTRACTOR certifies that no federal appropriated funds have been paid or will be paid by or on behalf of the CONTRACTOR for influencing or attempting to influence an officer or employee of any federal agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement. The certification of this compliance ("Lobbying Restriction Certification") submitted by CONTRACTOR in connection with this project is incorporated in, and made a part of, this Contract.

The CONTRACTOR further certifies that, if any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee or any federal agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the projects funded by the funds allocated to the CONTRACTOR in this agreement, the CONTRACTOR shall complete and submit to the COUNCIL, Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The CONTRACTOR certifies that it will require the language of this certification be included in the award documents for any subcontracts equal to or in excess of \$100,000.00 under this agreement, and that all subcontractors shall certify and disclose accordingly to the CONTRACTOR. All certifications and disclosures shall be forwarded to the COUNCIL by the CONTRACTOR.

The certifications referred to in this Section (including the "Lobbying Restriction Certification" submitted by CONTRACTOR in connection with this project and incorporated in, and made a part of, this Contract) are material representations of fact upon which the COUNCIL relies when this Contract is made.

11. Clean Air. The provisions of this Section apply only if the amount of this Contract (including the value of any amendments thereto) exceeds \$100,000.

The CONTRACTOR agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. section 7401 *et seq.* The CONTRACTOR agrees to report each violation to the COUNCIL and understands and agrees that the COUNCIL will, in turn, report each violation as required to assure notification to FTA and the appropriate Environmental Protection Agency (EPA) Regional Office. The CONTRACTOR also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

12. Clean Water. The provisions of this Section apply only if the amount of this Contract (including the value of any amendments thereto) exceeds \$100,000.

The CONTRACTOR agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. Section 1251 *et seq.* The CONTRACTOR agrees to report each violation to the COUNCIL and understands and agrees that the COUNCIL will, in turn, report each violation as required to assure notification to FTA and the appropriate Environmental Protection Agency (EPA) Regional Office. The CONTRACTOR also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

13. Cargo Preference. The CONTRACTOR agrees: (a) to use privately-owned United States-Flag commercial vessels to ship at least fifty percent (50%) of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; (b) to furnish within twenty (20) working days following the date of loading for shipments originating within the United States or within thirty (30) working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill of lading in English for each shipment of cargo described in the preceding paragraph (a) to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the COUNCIL (through the CONTRACTOR in the case of a lower-tier participating subcontractors bill of lading); and (c) to include these requirements in all subcontracts issued pursuant to this Contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

14. Fly America Requirements. The CONTRACTOR agrees to comply with 49 U.S.C. 40118 (the "Fly America Act") in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that recipients and subrecipients of Federal funds and their contractors are required to use U.S. flag air carriers for U.S. Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The CONTRACTOR shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The

CONTRACTOR agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

Clause 15 applies to the construction, alteration, and/or repair (including painting or decorating) of public buildings or public works.

15. Davis-Bacon and Copeland Anti-Kickback Act. Reserved.

16. Contract Work Hours and Safety Standards Act.

- A. Overtime Requirements.** No CONTRACTOR or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek, unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- B. Violation; Liability for Unpaid Wages; Liquidated Damages.** In the event of any violation of the clause set forth in paragraph (A) of this section, the CONTRACTOR and any subcontractor responsible for a violation shall be liable for the unpaid wages. In addition, the CONTRACTOR and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (A) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (A) of this section.
- C. Withholding for Unpaid Wages and Liquidated Damages.** The COUNCIL shall, upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the CONTRACTOR or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of the CONTRACTOR or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (B) of this section.
- D. Subcontracts.** The CONTRACTOR or subcontractor shall insert in any subcontracts the clauses set forth in this paragraph and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The CONTRACTOR shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in this section.
- E. Safety Standards.**
 - i. **General Requirement.** The CONTRACTOR agrees to comply with section 107 of the Contract Work Hours and Safety Standards Act, 40 U.S.C., section 333, and applicable Department of Labor regulations, "Safety and Health Regulations for Construction" 29 C.F.R., Part 1926. Among other things, the CONTRACTOR agrees that it will not require any laborer or mechanic to work in unsanitary, hazardous, or dangerous surroundings or working conditions.
 - ii. **Subcontracts.** The CONTRACTOR also agrees to include the requirements of this paragraph in each subcontract. The term "subcontract" under this paragraph is

considered to refer to a person who agrees to perform any part of the labor or material requirements of a contract for construction, alteration or repair. A person who undertakes to perform a portion of a contract involving the furnishing of supplies or materials will be considered a "subcontractor" under this paragraph if the work in question involves the performance of construction work and is to be performed: (1) directly on or near the construction site, or (2) by the employer for the specific project on a customized basis. Thus, a supplier of materials which will become an integral part of the construction is a "subcontractor" if the supplier fabricates or assembles the goods or materials in question specifically for the construction project and the work involved may be said to be construction activity. If the goods or materials in question are ordinarily sold to other customers from regular inventory, the supplier is not a "subcontractor." The requirements of this paragraph do not apply to contracts or subcontracts for the purchase of supplies or materials or articles normally available on the open market.

17. Seismic Safety Requirements. The CONTRACTOR agrees that any new building or addition to an existing building will be designed and constructed in accordance with the standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 CFR part 41 and will certify compliance to the extent required by the regulation. The CONTRACTOR also agrees to ensure that all Work performed under this agreement including work performed by a subcontractor is in compliance with the standards required by the Seismic Safety Regulations and the certification of compliance issued on the project.

18. Energy Conservation. The CONTRACTOR agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the federal Energy Policy and Conservation Act.

CONTRACTOR also agrees, pursuant to 49 C.F.R. 633.15, to provide the FTA Administrator or the Administrator's authorized representatives, including any project management oversight (PMO) contractor, access to CONTRACTOR's records and construction sites pertaining to a major capital project, defined at 49 U.S.C. 5302(a)(1), which is receiving federal financial assistance through the programs described at 49 U.S.C. 5307, 5309, or 5311.

The CONTRACTOR agrees to permit any of the foregoing parties to reproduce such documents by any means whatsoever or to copy excerpts and transcriptions as reasonably needed. In addition to any requirements for maintenance of project records and documents in other sections of this Contract, CONTRACTOR agrees to maintain such records and documents until the FTA Administrator, the Comptroller General, or any of their duly authorized representatives have disposed of all litigation, appeals, claims or exceptions arising from the performance of this Contract

19. Recovered/Recycled Materials. The CONTRACTOR agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

20. National Intelligent Transportation Systems Architecture and Standards. To the extent applicable, the CONTRACTOR agrees to conform to the National Intelligent Transportation Systems (ITS) Architecture and Standards as required by SAFETEA-LU § 5307(c), 23 U.S.C. § 512 note, and to comply

with FTA Notice, "FTA National ITS Architecture Policy on Transit Projects" 66 Fed. Reg. 1455 et seq., January 8, 2001, and other Federal requirements that may be issued.



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5G. Consider Approval of 50% Plans for Northwood Lake Improvement Project (NL-1), New Hope
BCWMC September 17, 2015 Meeting Agenda
Date: September 9, 2015
Project: 23270051 2015 633

5G. Consider Approval of 50% Plans for Northwood Lake Improvement Project (NL-1), New Hope

Summary:

Proposed Work: Northwood Lake Improvement Project

Basis for Commission Review: 50% Design Review

Change in Impervious Surface: N.A

Recommendations:

- 1) Conditional approval of 50% drawings
- 2) Authorize the City of New Hope to proceed with final plans and contract documents

The 2016 Northwood Lake Improvement project (NL-1) will be funded by the BCWMC's ad valorem levy (via Hennepin County). The City of New Hope provided the 50% design plans to the BCWMC for review and comment, as set forth in the BCWMC CIP project flow chart.

Feasibility Study Summary

The City of New Hope's *Feasibility Report for Northwood Lake Storm Water Improvements* (Stantec, November, 2014) examined the feasibility of constructing several stormwater improvements at Northwood Lake. The city's consultant (Stantec) identified three conceptual stormwater best management practices (BMPs) at two locations in the Northwood Lake watershed to reduce the phosphorus and sediment loads to Northwood Lake. Northwood Lake is currently on the Minnesota Pollution Control Agency's (MPCA) 303(d) Impaired Waters List for excess nutrients.

The three potential BMPs included:

- 1) Concept A – A stormwater reuse system (160,000 gallon capacity) located in Northwood Park (on northeast side of Northwood Lake) that would be used to irrigate baseball and soccer fields (6.4 acres) located on the east side of Boone Avenue. Additionally, bioretention basins would be

To: Bassett Creek Watershed Management Commission
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Date: September 9, 2015
Page: 2
Project: 23270051 2015 633

constructed to treat overflows from the stormwater reuse system, providing approximately 0.37 acre-ft of runoff storage.

- 2) Concept B – A traditional wet retention pond located in Northwood Park (0.34 acre pond with 1.2 acre-ft of dead storage for water quality treatment).
- 3) Concept C – A traditional wet retention pond located on a City-owned parcel west of Jordan Avenue (0.23 acre pond with 0.7 acre-ft of dead storage for water quality treatment).

The feasibility report recommended the implementation of Concept A and Concept C. The feasibility report estimated that project implementation (Concepts A and C) would reduce the annual total phosphorus load to Northwood Lake by 22 pounds per year.

At their November 19, 2014 meeting, the Commission approved the City of New Hope's final feasibility study for this project, supporting implementation of Concept A and Concept C. At their June 18, 2015 meeting, the Commission discussed the results of an Envision analysis of the project options (Concepts A, B, and C) and approved the BCWMC's maximum financial contribution to implementing Concept A and Concept C of the project.

50% Design Review Summary

The 50% design plans include the designs for Concept A (storm sewer diversion, subsurface stormwater reuse system, and rain gardens in Northwood Park) and Concept C (wet detention basin along Jordan Avenue) from the feasibility study. Also included in this 50% design plan set are components of a larger city project that are outside the scope of the BCWMC CIP project, which will require separate review as part of the BCWMC project review program, including:

- sediment removal at the outlet of the existing storm sewer on the west side of Northwood Lake,
- playground improvements in Northwood Park,
- full reconstruction of Jordan Avenue,
- Northwood Park grading and landscaping, and
- reconstruction of trails within the park.

Concept A includes the diversion of storm sewer along Boone Avenue, south toward Northwood Park and the subsurface storage for the stormwater reuse system. Prior to discharging into the subsurface storage system, the storm sewer diversion will pass through a treatment manhole (e.g. Stormceptor) to provide sediment removal prior to discharging into the subsurface treatment system. The subsurface storage tank will include pumps and a force main that will connect with the existing irrigation system for the ball fields in Northwood Park, east of Boone Avenue. Overflows from the underground storage system will be directed to a series of rain gardens along Ensign Avenue to provide additional treatment before discharging to Northwood Lake. Concept C includes the diversion of storm sewer along Jordan Avenue into a new wet detention pond located west of Jordan Avenue, prior to discharging into Northwood Lake.

To: Bassett Creek Watershed Management Commission
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Date: September 9, 2015
Page: 3
Project: 23270051 2015 633

The table below compares the water quality treatment volumes to be provided by the project, as presented in the feasibility study and the 50% design plans. Additional discussion of the proposed design is discussed below.

	Underground Storage Volume (for Stormwater Reuse)	Rain Garden Volume	Jordan Avenue Retention Pond Dead Storage Volume
Feasibility Study (November 2014)	0.5 acre-ft (160,000 gallons)	0.37 acre-ft	0.7 acre-ft
50% Design Plans	0.24 acre-ft ¹	0.34 acre-ft ²	1.55 acre-ft ³

1 – The dimension provided for the subsurface storage system (Sheet C5.03) should be able to provide storage equivalent to that presented in the feasibility study. However, based on the elevations shown in the 50% design plans, the actual storage provided for reuse is approximately half of what was presented in the feasibility study. The City's consulting engineer will review the details of the proposed storage system and the overflow to the proposed rain gardens to maximize the amount of storage for stormwater reuse.

2 – The volume provided by the rain gardens (on Sheet C3.02) is similar to what was outlined in the feasibility study. The City's consulting engineer is still working on various grading and design iterations for the series of rain gardens to maximize storage and improve aesthetics.

3 – Provided by City's consulting engineer on 9/8/2015 and reflects dead storage volume based on revised pond grading since the 50% plans were submitted.

In review of the stormwater reuse system, on Sheet C5.03, the dimensions of the 160,000 gallon underground storage tank are listed as 70' x 30' x 14' (approx. 218,000 gallons). Based on the details of the stormwater manhole reuse section, the invert of the base slab is 888.1 ft MSL and the tank top slab is 897.0 ft MSL. Using dimensions of 70' x 30' x 9', the maximum storage volume is approximately 141,000 gallons. Additionally, the overflow from the underground tank is listed as 893.0 ft MSL, so the actual reuse storage volume provided is currently only 77,000 gallons.

The feasibility study indicated that the groundwater elevation in the area around Northwood Park is estimated to be 885 – 891.5 ft MSL. Based on the bottom elevations of the rain gardens and the subsurface storage system, these systems may be impacted by groundwater. Discussions with the city's consulting engineer indicate they are collecting additional soil borings to better quantify the expected depth to groundwater in the area.

According to the city's consulting engineer, a Minnesota Department of Natural Resources water appropriations permit will be required for the stormwater reuse diversion, based on the estimated annual pumping volume. The BCWMC will need to review the proposed appropriations request and the expected impact on water levels in Northwood Lake. As included in Stantec's cover letter accompanying the final feasibility study and outlined in the Commission Engineer's November 12, 2014 memo to the Commission, the city's consulting engineer will utilize the existing BCWMC stormwater models to evaluate the impact of the stormwater reuse diversion on the Northwood Lake levels.

To: Bassett Creek Watershed Management Commission
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Date: September 9, 2015
Page: 4
Project: 23270051 2015 633

The submitted drawings were at a 50% design stage, which means there are a number of details yet to be worked out before the design is final. Based on the review of the 50% design plan and follow-up conversations with the city's consulting engineer, the Commission Engineer expects the majority of the comments below to be addressed in the 90% design stage drawings.

Recommendations

- A. Conditional approval of 50% drawings based on the following comments, recognizing that the current plans are preliminary:
- 1) Modeling or other documentation must be provided to confirm the expected water quality benefit of the design.
 - 2) Sheet G0.04 – Verify the orientation of the north arrow is correct.
 - 3) Sheet C3.01 – The proposed cut volume for the entire pond (7,560 CY) indicates there should be sufficient dead storage within the Jordan Avenue retention pond. The dead storage volume below the proposed control elevation must be provided.
 - 4) Sheet C3.02 – Additional information must be provided regarding the expected groundwater elevations and how the proposed design addresses the potential impacts by groundwater.
 - 5) Sheet C3.03 – The proposed rain garden and retention pond design must meet the criteria outlined in the BCWMC's *Requirements for Improvements and Development Proposals*.
 - 6) Sheet C5.01/C5.02 – The outlet of the Jordan Avenue pond is called out as OCS-10 in the plans, but no details in relation to the outlet are provided. The details of the pond outlet structure must be included.
 - 7) Sheet C5.03 – Provide the details of the storm interceptor structure proposed at MH-22.
 - 8) Sheet C5.03/P8.01 – The details of the storage dimensions, elevations, and overflows must be reevaluated to maximize storage within the subsurface storage system and achieve the 160,000 gallons as outlined in the feasibility study.
 - 9) Sheet C5.03/P8.01 – Additional information must be provided regarding the expected groundwater elevations and how the proposed design addresses the potential impacts by groundwater.

Given the potential for as much as 3.5 ft of groundwater above the bottom of the subsurface system, tank floatation/buoyant force calculations for the proposed storage tank must be provided.
 - 10) Sheet P4.01 – There is a note to modify and connect the proposed force main to an existing irrigation box along Boone Avenue. Details related to this connection should be provided and the connection must meet current plumbing code standards to prevent cross contamination of the potable water supply.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5G. Consider Approval of 50% Plans for Northwood Lake Improvement Project (NL-1), New Hope
Date: September 9, 2015
Page: 5
Project: 23270051 2015 633

- 11) Sheet P8.01 – The stormwater reuse manhole section indicates an online filter for treatment of the stormwater prior to use for irrigation. The level of treatment for particulate removal should be based on the existing irrigation equipment needs and nozzle sizes. Additionally, we recommend the incorporation of an online UV treatment system sized for the expected flow rate to address any public safety concerns in relation to pathogens. Other items to consider are timing of irrigation to minimize contact with stormwater and signage indicating that the water being used to irrigate the fields is non-potable.
 - 12) The BCWMC will need to review the proposed appropriations request and the expected impact on water levels in Northwood Lake. Documentation (such as a memo) must be provided regarding the expected impact of the stormwater reuse diversion on lake levels and any associated modeling.
 - 13) The outlet velocities at FES-9 could exceed 12 feet per second when the pipe is flowing full. The pipe slope should be adjusted or other energy dissipation provided to reduce the outlet velocity.
 - 14) The contour elevations should be labeled for the existing conditions contours to determine the runoff direction and appropriate erosion control placement.
 - 15) Perimeter control should be added for the removals on Jordan Avenue.
 - 16) The construction entrance location does not appear to be shown on the plans; a construction entrance should be shown for each work area.
 - 17) The construction entrance must have a cutoff berm with a minimum height of 2 feet above the adjacent roadway and with maximum side slopes of 4:1.
 - 18) The following erosion control notes must be added to the plans:
 - a. Erosion control devices must be deployed and maintained for the duration of site construction until pavement surfaces have been installed and/or final turf establishment has been achieved.
 - b. Soils tracked from the site by motor vehicles must be cleaned daily (or more frequently, as necessary) from paved roadway surfaces throughout the duration of construction.
 - c. All exposed soil areas must be stabilized as soon as possible, but in no case later than 7 days after the construction activity has temporarily or permanently ceased.
 - d. Temporary or permanent mulch must be uniformly applied by mechanical or hydraulic means and stabilized by disc-anchoring or use of hydraulic soil stabilizers.
 - e. A temporary vegetative cover must be specified consisting of a suitable, fast-growing, dense grass seed mix spread at 1.5 times the usual rate per acre. If temporary cover is to remain in place beyond the present growing season, two-thirds of the seed mix shall be composed of perennial grasses.
- B. Authorize the City of New Hope to proceed with final plans and contract documents; note that the parts of the project outside the scope of the BCWMC CIP will require separate review as part of the BCWMC project review program.



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4), Golden Valley
BCWMC September 17, 2015 Meeting Agenda
Date: September 9, 2015
Project: 23270051 2015 632

5H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4), Golden Valley

Summary:

Proposed Work: 2016 Honeywell Pond Enhancement/Improvements (CIP BC-4)

Basis for Commission Review: 50% Design Review

Change in Impervious Surface: N.A

Recommendations:

- 1) Conditional approval of 50% drawings
- 2) Authorize the City of Golden Valley to proceed with final plans and contract documents

The 2016 Honeywell Pond Enhancement/Improvement Project (CIP BC-4) will be funded by the BCWMC's ad valorem levy (via Hennepin County). The City of Golden Valley provided the 50% design plans to the BCWMC for review and comment, as set forth in the BCWMC CIP project flow chart.

Feasibility Study Summary

The City of Golden Valley's *Feasibility Report for the Honeywell Pond Enhancement/Improvement Project* (WSB, July 14, 2015) examines the feasibility of several enhancement/improvement projects in the Honeywell Pond and nearby areas that will provide treatment of runoff from the watershed. Additional improvement alternatives were evaluated to reduce runoff rate, reduce runoff volume, and provide habitat enhancements in the area. The improvement options selected for implementation will be constructed as part of the Douglas Drive Improvement Project, scheduled for construction in 2016.

The feasibility report identified three improvement options for the Honeywell Pond and nearby areas, including:

- Option 1 – Expansion of Honeywell Pond, construction of a low flow diversion system from Douglas Drive, and establishment of a buffer/habitat around the perimeter of the pond.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4), Golden Valley
Date: September 9, 2015
Page: 2
Project: 23270051 2015 632

- Option 2a – Construction of a lift station and force main to Sandburg Learning Center Ball Fields for irrigation, with a stub for irrigation at the Honeywell site and a force main to the south infiltration system (to be constructed as part of the Douglas Drive Project).
- Option 2b – Construction of a lift station and force main to Sandburg Learning Center Ball Fields for irrigation and a force main to the south infiltration system (to be constructed as part of the Douglas Drive Project). Assumes no irrigation at the Honeywell site.
- Option 3 – Combination of Option 1 and either Option 2a or Option 2b

At their November 19, 2014 meeting, the Commission approved the City of Golden Valley's final feasibility study for this project, and selected implementation of Option 3 (combination of Option 1 and either Option 2a or Option 2b).

50% Design Review Summary

The 50% design plans include the designs for Option 3 (Option 1 and Option 2b above), which includes the expansion of Honeywell Pond, the low flow diversion from the storm sewer along Douglas Drive to the Honeywell Pond and the installation of a pump station and force main to irrigate the Sandburg Ball Field with water from Honeywell Pond. The plans included with the 50% submittal only include the Honeywell Pond grading/contours, the force main alignment along Douglas Drive, and the low flow diversion structure details. Also included in the 50% design plan set are components of a larger city project that are outside the scope of the BCWMC CIP project and will require review as part of the BCWMC project review program, including:

- a force main to pump water from Honeywell Pond to an infiltration system south of the pond along Douglas Drive

Option 1 includes the expansion of the dead storage in Honeywell Pond to improve water quality treatment and the diversion of low flows from the storm sewer along Douglas Drive into Honeywell Pond to provide additional treatment before discharging to Bassett Creek. As recommended during the feasibility study review, the proposed pond expansion incorporates more of an undulating/natural edge and includes a 10:1 safety bench as part of the design. Based on review of the proposed condition XP-SWMM model and the plans sheets provided (Sheet DRD1 of 220), it appears that the low flow diversion is modeled as included on the plan sheets.

Option 2b includes the installation of a pump station on the north side of Honeywell Pond and a 4" force main to the north to irrigate 17 acres at the Sandburg Ball Fields. The force main will connect to an existing irrigation system. The proposed system will pump water from the normal water level (NWL) to 1.5 feet below the NWL in Honeywell Pond and use this water for irrigation, at a rate of approximately 1 inch per week during the typical irrigation season (May through September). Plans and design details for the force main to the Douglas Drive infiltration system (not part of the BCWMC CIP) were not included in the

To: Bassett Creek Watershed Management Commission
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Subject: Item 5H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4), Golden Valley
Date: September 9, 2015
Page: 3
Project: 23270051 2015 632

50% submittal. However, the water balance submitted to evaluate pumping from Honeywell Pond included both the irrigation of the Sandburg ball fields and pumping to the Douglas Drive infiltration system. For the Douglas Drive infiltration system, the daily demand used in the water balance assumes that 4 inches of water will be applied to the proposed infiltration area of 0.11 acres (as outlined in Table 3 in the city consultant's 9/1/2015 letter) each day, or 8 inches every two days. The assumed infiltration rate of 0.4 inches/hour is typical of hydrologic soil group B soils. Assuming this infiltration rate, the pumped volume is expected to be drawn down within 24 hours.

Below is a comparison of the estimated water quality treatment (annual total phosphorus (TP) removal) as provided in the feasibility study and the 50% design plans:

	Honeywell Pond Expansion	Irrigation of Sandburg Ball Fields	Pumping to Douglas Drive Infiltration System
Feasibility Study (July 2015)	51.6	5.77-11.54	2.04-4.08
50% Design Plans	60.9 ¹	12.3 ²	2-4 ²

1 – The flood pool volume as entered in the submitted P8 model is 29.52 acre-ft. Based on the proposed storage curve for the Honeywell Pond, the estimated flood pool is 24.9 acre-ft. The flood pool in the P8 model was revised and rerun and resulted in a similar annual TP removal (60.9 lbs/year); however, this value should be revised in the final P8 modeling.

2 – The daily water balance was provided (see comments in item 4-c below). The total phosphorus removal calculations were not included. Based on the estimated annual volume of water used for irrigation of Sandburg ball fields and the Douglas Drive infiltration basin (applied May through September only), we applied a total phosphorus concentration of 150 ug/L to this volume and estimated an annual removal of 14 pounds of total phosphorus per year (which aligns with the estimate in the table above)

The submitted drawings were at a 50% design stage, which means there are a number of details yet to be worked out before the design is final. Based on the review of the 50% design plans, the narrative and summary included in the letter to the Commission dated September 1, 2015, and follow-up conversations with the city's consulting engineer, the Commission Engineer expects the majority of the comments below to be addressed in the 90% design stage drawings.

Recommendations

A. Conditional approval of 50% drawings based on the following comments, recognizing that the current plans are preliminary:

1) Item 1 General Pond Design

a. Provide an erosion and sediment control plan in accordance with the BCWMC document *Requirements for Improvements and Development Proposals*.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4), Golden Valley
Date: September 9, 2015
Page: 4
Project: 23270051 2015 632

- b. The erosion and sediment control plan must incorporate the following notes and features:
 - i. Erosion control features must be installed and maintained for the duration of site construction until pavement surfaces have been installed and/or final turf establishment has been achieved.
 - ii. Site-access roads must be graded or otherwise protected with silt fences, diversion channels, or dikes and pipes to prevent sediment from leaving the site via the access roads. Vehicle tracking of sediment from the construction site (or onto streets within the site) must be minimized by installing rock construction entrances (with a berm with a minimum height of 2 feet above the adjacent roadway and with maximum side slopes of 4:1), rumble strips (mud mats), wood chips, wash racks, or equivalent system at each site access.
 - iii. Soils tracked from the site by motor vehicles must be cleaned daily (or more frequently, as necessary) from paved roadway surfaces throughout the duration of construction.
 - iv. Temporary or permanent mulch must be uniformly applied by mechanical or hydraulic means and stabilized by disc-anchoring or use of hydraulic soil stabilizers.
 - v. A temporary vegetative cover must be provided consisting of a suitable, fast-growing, dense grass seed mix spread at 1.5 times the usual rate per acre. If temporary cover is to remain in place beyond the present growing season, two-thirds of the seed mix shall be composed of perennial grasses.
- 2) Item 2 Low Flow Diversion Structure
 - a. Provide the proposed storm sewer alignment along Douglas Drive to Honeywell Pond and to the connection point to the existing storm sewer downstream of Honeywell Pond with the next submittal.
- 3) Item 3 TP Removals
 - a. Modeling or other documentation must be provided at the 90% design plan submittal to confirm the expected water quality benefit of all components of the design.
- 4) Item 4 Pumping for Irrigation of Sandburg Fields
 - a. Provide figure showing the 17 acres identified for irrigation and any soils information available for the Sandburg ball fields irrigation area.
 - b. Provide plans and details of the pump/lift station on the north side of Honeywell Pond as shown on sheet FM1 of 220, including the pump details and expected pumping rate for irrigation.
 - c. Provide details of the proposed treatment (e.g. filtration, UV) prior to use for irrigation. The level of treatment for particulate removal should be based on the existing irrigation

To: Bassett Creek Watershed Management Commission
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Date: September 9, 2015
Page: 5
Project: 23270051 2015 632

equipment needs and nozzle sizes and address public health risk concerns. Additionally, we recommend the incorporation of an online UV treatment system sized for the expected flow rate to address any public safety concerns in relation to pathogens. Other items to consider are timing of irrigation to minimize contact with stormwater and signage indicating that water being used to irrigate the fields is non-potable. Also, details on the connection to the existing irrigation system including details for features that address plumbing code requirements that prevent cross contamination of the potable water supply must be included.

- d. The water balance model must be revised to address the following comments and reflect the final design of the Sandburg ball field irrigation and Douglas Drive infiltration systems:
 - i. The total watershed area to Honeywell Pond is entered as 620 acres with 35 percent imperviousness. As indicated in Table 1 of the city consultant's letter dated 9/1/2015, the proposed watershed to the Honeywell Pond is 768 acres. The water balance model must be revised to reflect the expected contributing watershed.
 - ii. The water balance model uses the SCS methodology to estimate the watershed runoff volume. Using a pervious curve number of 61, the estimated initial abstraction from pervious surfaces should be 1.27 inches, rather than the 1.45 inches used in the water balance. Also, using an impervious curve number of 98, the estimated initial abstraction from impervious surface should be 0.04 inches, rather than the 0.07 inches used in the water balance.
 - iii. In the daily water balance, there is a column called "Treatment Plant Backwash Tank" that adds in 75,000 gallons to Honeywell Pond weekly. Explain the source of this volume of water or delete this volume from the water balance calculations.
 - iv. Incorporate the estimated total phosphorus removal calculations in the water balance model, including the assumed total phosphorus concentrations used to estimate the removals.
 - e. Document whether or not a Minnesota Department of Natural Resources (MnDNR) water appropriations permit is required based on the proposed use. As required in the BCWMC Plan, the BCWMC will need to review the proposed appropriations requests.
- 5) Item 5 Additional Stormwater Management with Douglas Drive
- a. Provide plans and details of the infiltration basin, forcemain, and pump/lift station for the Douglas Drive infiltration project, including the basin grading and storage, native soil information and/or proposed soil media, underdrain details (if applicable), pump size and rate. Additionally, confirm if the pumping to the Douglas Drive infiltration system will occur beyond the May through September period.

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5H. Consider Approval of 50% Plans for Honeywell Pond Expansion Project (BC-4), Golden Valley
Date: September 9, 2015
Page: 6
Project: 23270051 2015 632

- b. The proposed infiltration basin design must meet the criteria outlined in the BCWMC's Requirements for Improvements and Development Proposals.
- B. Authorize the City of Golden Valley to proceed with final plans and contract documents; note that the parts of the project outside the scope of the BCWMC CIP will require separate review as part of the BCWMC project review program.



701 Xenia Avenue South
Suite 300
Minneapolis, MN 55416
Tel: 763-541-4800
Fax: 763-541-1700

September 1, 2015

Ms. Laura Jester and Ms. Karen Chandler
Bassett Creek Watershed Commission
16145 Hillcrest Lane
Eden Prairie, MN 55346

Re: Honeywell Enhancement/Improvement Project - 50% Submittal

Dear Ms. Jester and Ms. Chandler:

We are currently in the final design phase of the Honeywell Pond Enhancement/Improvement Project. The 50% plans are consistent with the proposed design in the feasibility report, which was approved at the October 16, 2014 Board meeting. Refer to **Table 1** for key design aspects between existing condition, the feasibility report, and the proposed design along with explanations for any differences.

1. General Pond Design

The design of the Honeywell Pond is consistent with the improvements identified in the feasibility report. One slight change from the feasibility report to the 50% design is that the general design of the pond has more of an undulating edge than what was originally proposed. See the attached plan detail for more details. In addition, the existing XP-SWMM model was updated to reflect the proposed trunk storm sewer system and the outlet from Douglas Drive to Bassett Creek. A further comparison of the 50% design and the feasibility report are outlined in the table below.

Table 1: Pond Design				
	Feasibility Report		Final Design	
	Existing Condition	Proposed Condition	Existing Condition	Proposed Condition
NWL (Outlet Elevation) (ft)	876.4	876.4	876.4	876.4
Pond Surface Area at NWL (ac)	1.5	2.4	1.5	2.4
100 Year HWL (Atlas 14) (ft)	884.2	884.2	884.6*	884.6
Peak Flow Rate to Bassett Creek (cfs)	103.5	102.9	85.7*	85.4
Pond Surface Area at HWL (ac)	3.6	3.6	3.6	3.6
Dead Pool Volume (ac-ft)	3.7	12.6	3.7	11.2
Live Pool Volume (ac-ft)	22	25.8	22	29.5
Honeywell Pond Drainage Area (ac)	725	785	702	768
TP removed (lb/yr)	36.3	51.6	36.3	60.9
Percent TP Removed (%)	17.3	23.4	17.3	24.1
Buffer	NA	10 foot 10:1 buffer around entire pond	NA	10 foot 10:1 buffer around entire pond
Undulating edge	slight	slight	slight	undulating

* The existing conditions XP-SWMM model was updated to better reflect the “actual conditions” from Douglas Drive to Bassett Creek. Two 42 inch links were added to the downstream end of link PQ29-MH127. The first link is 429 feet and placed at a 1.08 percent grade while the second link is 884 feet and placed at a 0.75 percent grade. Data for these two links was gathered from record drawings of the system from Douglas Drive to Bassett Creek. The model used in the feasibility did not contain this update.

2. Low Flow Diversion Structure

The design of the low flow diversion structure in the 50% plan is consistent with the feasibility report. See the attached plan detail for further information on the low flow diversion structure and weir.

3. TP Removals (Expanding Pond and 48 inch Low Flow Diversion and 4 foot Weir)

The September 2014 version of the feasibility report had a 48 inch low flow diversion system **without** a weir. The September P8 model demonstrated that the pond would remove 23.4% TP (51.6 lb/yr). The October 2014 version of the feasibility report had a 48 inch low flow diversion system **with** a 4 foot weir. The October P8 model demonstrated that the pond would remove 24.5% TP (61.9 lb/yr). The feasibility report included the 51.6 lb/yr value not the 61.9 lb/yr value. The feasibility report should have shown a 24.5% TP (61.9 lb/yr) for the 48 inch low flow diversion system **with** a 4 foot weir.

4. Pumping for Irrigation of Sandburg Fields

A water balance was developed using available volume in Honeywell Pond (first 1.5 feet below the NWL) and irrigation demand at Sandburg Fields. The water balance assumes 1 inch of irrigation will occur per week over 17 acres of fields. This results in an irrigation demand of 462,000 gallons per week. Analysis completed using 50 years of rainfall runoff data shows the proposed irrigation system and infiltration system will only have 6.0 days/year that the pond’s pump will not be able to meet the estimated irrigation demand (the first 1.5 feet below the NWL are used). This allows for the following:

- Volume available to be pumped for approximately 2.5 weeks without rain
 - The drawdown from upstream storage basins following a rainfall event will extend the timeframe where volume is available for pumping
- The pumping volume will fully replenish (if down the full 1.5 feet) with a 0.35 inch rain event

Table 2: Irrigate Sandburg Learning Center Fields		
	Feasibility Report	Final Design*
Pumping Below NWL (ft)	1.5	1.5
Volume of Water available to pump (ac-ft)	3.37	3.37
Acres of irrigation (ac)	14	17
Volume of water needed to irrigate per season (ac-ft)	13.25-26.52	28.3
TP removed (lb/yr)	5.77 - 11.54	12.3
Seed mix to be used in the 1.5 foot pond bounce zone	Not Stated in Report	33-261

* Assumes 1 inch per week

5. Additional Stormwater Management with Douglas Drive

Pumping for Douglas Drive Infiltration (Not Part of Honeywell Project)

90% plan submittal is anticipated to include the construction of an underground infiltration system at 1576 Douglas Drive N. It is currently proposed to pump water to the infiltration system from

Honeywell Pond. The infiltration system is proposed to be located (at 1576 Douglas Drive N) where a house was recently removed as part of the project's right-of-way acquisition. There are three main reasons for this change. This is feasible for the following reasons:

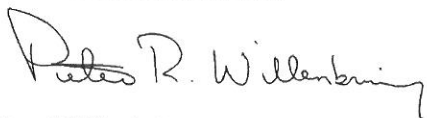
- The water balance calculations for Honeywell Pond shows the volume of water available to be pumped is more than adequate for both irrigating the Sandburg Fields and for the Douglas Drive Infiltration System.
- CenterPoint Energy is abandoning a conduit under the rail road tracks. This conduit can be used to house the force main under the tracks avoiding the need for drilling under the tracks.
- Using water from Honeywell Pond will utilize pretreated stormwater which will extend the life of the infiltration system and reduce maintenance time and cost.

	Feasibility Report	Final Design
Size of the Douglas Drive infiltration system (ac)	0.195	0.11
Storage volume of the Douglas Drive infiltration system (ac-ft)	Not Stated in Report	0.1
Assumed infiltration rate of Douglas Drive Infiltration System (in/hr)	0.4	0.4
Volume of water infiltrated at Douglas Drive Infiltration System per season (ac-ft)	Not Stated in Report	5-9
TP removed (lb/yr)	2.04 - 4.08	2-4

As outlined in this memo, we feel the 50% plan is fully consistent with the design expectations in the feasibility report. If you have any questions or concerns feel free to contact me at 763-287-7188 or at pwillenbring@wsbeng.com.

Sincerely,

WSB & Associates, Inc.



Pete Willenbring, PE
Water Resources Vice President

Attachments

- 50% Plan (0701Honeywell.pdf)
- Existing Conditions XP-SWMM model – (Decola_UTM_Stor_Closed_EC_FINAL_Ex100114.xp)
- Proposed Conditions XP-SWMM model (Decola_UTM_Stor_Closed_EC_FINAL_Ex100114_ForFinalDesign_072815.xp)
- Existing Conditions P8 model (UpstreamEastWestwood_rev08142014_Existing.p8c)
- Proposed Conditions P8 model (UpstreamEastWestwood_rev073015_Proposed Pond Expansion +low flow 48in with weir_FINAL.p8c)

Salt — Sand — Snow Winter Road and Parking Lot Management

October 7th 6:00-8:30pm

A WORKSHOP FOR LOCAL LEADERS

Join us for a workshop for local elected and appointed leaders focusing on winter road and parking lot management— best practices, policies, and plans for salt, sand, and snow that protect water quality while ensuring public safety and efficiently managing financial, equipment and staff resources. This workshop provides an opportunity for local leaders to build their knowledge and learn skills that will assist them in making informed decisions and be better equipped to answer questions from residents, business owners, and others about approaches for winter road management.

WEDNESDAY, OCTOBER 7TH 6:00-8:30PM @ City of Minnetonka Public Works Facility *Dinner included

WHO SHOULD ATTEND

This workshop is intended for city council, planning commission members, and watershed board managers. It is not a training for staff or for the general public.

LOCAL LEADERS WILL EXPLORE, LEARN, AND ENHANCE THEIR KNOWLEDGE IN

- * Salt (chloride) pollution in our community's lakes and streams—the scope of the problem
- * Best practices and new technologies for winter road management and the use of salt and sand
- * The science of salt on ice and snow—when it works and when it doesn't
- * Various trainings and educational materials available for professionals, staff, and residents
- * Policies and ordinances for municipal, private, and commercial operations and residential applications

REGISTRATION—BY OCTOBER 1ST

There is no cost for the program—space is limited.

<http://z.umn.edu/winterroadworkshop>

REGISTRATION QUESTIONS TO

Larisa Jenrich jenri001@umn.edu 651-480-7732

FOR OTHER INFORMATION

John Bilotta jbilotta@umn.edu 612-624-7708

Communities invited include:

Belle Plaine	Bloomington	Carver	Chanassen	Chaska	Cologne
Crystal	Deephaven	Eden Prairie	Edina	Excelsior	Golden Valley
Greenwood	Hopkins	Independence	Laketown Township	Long Lake	Maple Plain
Mayer	Medina	Medicine Lake	Minneapolis	Minnetonka	Minnetonka Beach
Minnetrissa	Mound	New Germany	New Hope	Orono	Norwood Young America
Plymouth	Richfield	Robbinsdale	Shorewood	Spring Park	St. Bonifacius
St. Louis Park	Tonka Bay	Victoria	Waconia	Watertown	Wayzata
Woodland	And leaders from Carver and Hennepin Counties and the multiple watershed districts and organizations in the west metro				



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REGISTRATION QUESTIONS TO

Larisa Jenrich jenri001@umn.edu 651-480-7732

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John Bilotta jbilotta@umn.edu 612-624-7708

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Greenwood	Hopkins	Independence	Laketown Township	Long Lake	Maple Plain
Mayer	Medina	Medicine Lake	Minneapolis	Minnetonka	Minnetonka Beach
Minnetrissa	Mound	New Germany	New Hope	Orono	Norwood Young America
Plymouth	Richfield	Robbinsdale	Shorewood	Spring Park	St. Bonifacius
St. Louis Park	Tonka Bay	Victoria	Waconia	Watertown	Wayzata
Woodland	And leaders from Carver and Hennepin Counties and the multiple watershed districts and organizations in the west metro				



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Bassett Creek Watershed Management Commission

MEMO

Date: September 9, 2015
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 (see CIP Project Update Chart in "Information Only Items" of this month's agenda)

2012 Main Stem Restoration Project, Golden Valley Rd. to Irving Ave. N., Minneapolis and Golden Valley (mostly in Wirth Park) (2012CR): (See Item 5C). The Minneapolis Park and Rec Board (MPRB) is managing this project and hired Rachel Contracting to construct the project. Two change orders have been approved for the work. Funding for the changes is from unused unit pricing, as well as additional funds from City of Minneapolis Public Works-Surface Water and Sewers (Stormwater) and MPRB Regional Park Grants. The change order that MPRB is funding for extended trail repair to the south of the project area was approved by the Park Board on August 5th. The Change Order for the side channel dredging has also been approved administratively. It is within the project contingency and is funded primarily with City of Minneapolis funding. Staff with the MPRB will update the Commission on the project at this meeting.

2013 Four Season Area Water Quality Project (NL-2): The City of Plymouth has been looking at different options for this area including the original stream restoration, using only rock to stabilize the channel, and a flocculation facility. The City received comments on these options at a public meeting in January. Currently, the City is waiting for the Four Seasons Mall property to redevelop with hopes of building treatment into a redevelopment project.

2014 Schaper Pond Diversion Project, Golden Valley (SL-3): The Commission approved 90% plans at their February meeting. The City's consultant (Barr Engineering) completed contract documents for the project May 21st, the bid advertisement publication date. The city council awarded the contract on July 7th to Sunram Construction. The pre-construction meeting was held July 30th. Construction is set to begin on October 19th. The City along with Barr Engineering recently received submittal drawings from Environetics, the baffle fabricating company. City staff will work with Barr to go over the drawings to make sure they meet standards before approving them for fabrication. Sunram is expecting that construction will take approximately two weeks to complete.

2014 Twin Lake In-lake Alum Treatment, Golden Valley (TW-2): There are no updates to this project since the report in July. However, the volunteer collecting water samples reports the clarity has been over 4 meters all summer. From July: 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 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. City staff reports no complaints or comments from residents since the treatment and also reports consistently clear water since the last actual reading on May 20th.

2014 Briarwood/Dawnview Water Quality Improvement Project, Golden Valley (BC-7): NewLook Contracting, the contractor for this project, has completed the majority of the site work including temporary stabilization of the disturbed areas and the utility work. This includes setting a storm sewer structure in the street to divert a large trunk storm sewer line into the new treatment pond. The street was backfilled and paved and the pond has received final stabilization. Crews have also finished a few final tasks in the last several weeks. A cover crop was planted to increase shade and allow more moisture to be held in the soil. City staff indicate the vegetation is coming in nicely and looks healthy. The contractor has one last item to complete in the coming weeks. The city will continue to monitor the vegetation and if necessary, have the contractor water the area. The city will make sure the native plantings are established before calling the project complete and submitting a final reimbursement request and final report later this year.

2015 Main Stem Restoration Project 10th Avenue to Duluth Street, Golden Valley (2015CR): The 90% design plans were approved by the Commission at their June 2015 meeting. The design plans and specifications are complete and the bid documents were published on August 20th and the bid opening is scheduled for September 16th. Construction is expected to begin this November.

2016 Northwood Lake Improvement Project, New Hope (NL-1): (See Item 5G) At the August meeting, the Commission held a public hearing regarding this project and received no comments. Also at the August meeting, the Commission entered an agreement with the City of New Hope to design and construct the project and a sub-grantee agreement to carry out the majority of tasks in the Clean Water Partnership (CWP) grant work plan. The CWP grant work plan was also presented at the August meeting as well as a Clean Water Fund grant application. At this meeting, the Commission will review and consider approving the 50% design plans for the project.

2016 Honeywell Pond Expansion Project, Golden Valley (BC-4): (See Item 5H) At the August meeting, the Commission held a public hearing regarding this project and received no comments. Also at the August meeting, the Commission entered an agreement with the City of Golden Valley to design and construct the project. At this meeting, the Commission will review and consider approving the 50% design plans for the project. The project will be let with the Douglas Drive project in February of 2016. Construction of the pond will likely occur in 2017.

Other Projects

Hennepin County Natural Resources Partnership: I attended a meeting on August 4th where attendees participated in a group discussion about the County's draft Natural Resources Strategic Plan and how the County can assist cities and watershed organizations accomplish their natural resources goals. The next meeting is scheduled for September 22nd.

MPRB Ecological System Plan: This project is now on hold until approximately late winter to allow the MPRB staff to concentrate on a different major comprehensive planning effort.

Next Generation Watershed Management Plan: (See Item 5A) The draft Watershed Management Plan went through a 60-day review period November 2014 – January 2015 and a 90-day review period started on June 1, 2015. Comments during both review periods were received from various agencies, cities, and other partners and were addressed by the Commission. Revisions were made to the draft Plan accordingly. A public hearing was held during the May Commission meeting and no comments were received. The BWSR Board approved the Plan on August 27, 2015. The Commission should adopt the Plan at the meeting. Staff will bring a full cost accounting of the Plan's development 2013 – 2015 for review at the October Commission meeting.

Non-Point Education for Municipal Officials (NEMO) Workshops: (See Item 5I)As recommended by the Education Committee and approved at the March Commission meeting, I am assisting with the development of 3 NEMO workshops for appointed and elected officials in the west Metro. A workshop-on-the-water was held on Lake Minnetonka on July 23. Additional workshops include *Chlorides and Winter Road Management* on October 7th and *Green Infrastructure for Clean Water* later in the year.

Website Redesign Project: Our consultant, Kelly Spitzley with HDR, has been working on the layout, content map, and designs for the new site through an iterative process with review and comment from Amy and I. The Education Committee met on June 30th to review and provide comments on the site layout, content map, and design options. Kelly is now completing the structure of the site and populating it with existing information.

New Commissioner Materials: Posting of materials to the website were completed earlier this year and are available at:

<http://www.bassettcreekwmo.org/CommissionOrientation/CommissionOrientationHomepage.htm>.

Records Retention/Management and Data Practices: At the direction of the Administrative Services Committee, I updated the Commission's Records Retention Schedule and asked legal counsel to review and recommend any changes needed. Additionally, a Data Practices Procedure was drafted for the Commission by our legal counsel. The Commission will review these documents at a future meeting. Also, I continue to work on records management including locating all official records, determining what records should be disposed of or sent to the State Archives, how paper records can be digitized, and how and where to store our electronic records. I will be researching and gathering input on different options for records management and storage over the course of the year.

Organizational Efficiencies: At the direction of the Administrative Services Committee I will be drafting an organizational chart and have been discussing practices and procedures with TAC members, Commission staff, and Commissioners to ensure the proper and efficient use of staff's time and to streamline communications where needed.