



## Bassett Creek Watershed Management Commission

### Regular Meeting

8:30 a.m. – 11:00 a.m.

Thursday, September 18, 2014

Council Chambers, 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
  - i. August 11, 2014 Commission Workshop
  - ii. August 21, 2014 Commission Meeting
- B. Approval of Financial Report
- C. Approval of Payment of Invoices
  - i. Keystone Waters, LLC –August 2014 Administrator Services
  - ii. Barr Engineering –August 2014 Engineering Services
  - iii. Amy Herbert – August 2014 Secretarial Services
  - iv. ACE Catering – September 2014 Meeting Refreshments
  - v. Wenck – August 2014 WOMP Monitoring
  - vi. Kennedy Graven – July 2014 Legal Services
  - vii. Finance and Commerce – Public Hearing Notice
  - viii. Shingle Creek WMC – Metro Blooms Raingarden Workshops
  - ix. ECM Publishers – Public Hearing Notice
- D. Approval to Set Technical Advisory Committee (TAC) Meeting for October 2, 2014
- E. Approval of Winnetka Commons Project, New Hope

#### 5. PUBLIC HEARING

- A. Receive Comments from Public on the Proposed 2015 Capital Improvement Program (CIP) Project: Main Stem Restoration Project, Golden Valley (CR2015) (*feasibility study online*)

#### 6. BUSINESS

- A. Consider Resolution Approving Major Plan Amendment to Include 2015 CIP Project
- B. Consider Resolution Making Findings Pursuant to Minnesota Statutes, Section 103B.251 and Certifying Costs to Hennepin County
- C. Review Draft Feasibility Report for Northwood Lake Improvement Project (NL-1)
- D. Review Draft Feasibility Report for Honeywell Pond Expansion (BC-4)
- E. Order Submittal of Plan Amendment to BWSR for 2016 projects
- F. Consider Approval of Briarwood Dawnview Water Quality Improvement Project 90% Plans (BC-7)
- G. Consider Moving Forward with Twin Lake Alum Treatment

- H. Receive Update on Next Generation Watershed Management Plan Development
  - i. Plan Steering Committee Meeting Notes from 7/28/14
  - ii. Input Needed to Update Implementation Tables
  - iii. Plans for Upcoming Workshop (Currently slated for 10/9/14)

## **7. COMMUNICATIONS**

- A. Administrator's Report
- B. Chair
- C. Commissioners – Update on Golden Valley Arts and Music Festival
- D. TAC Members
- E. Committees
- F. Legal Counsel
- G. Engineer

## **8. INFORMATION ONLY (Information online only)**

- A. Grant Tracking Summary and Spreadsheet
- B. WMWA June 2014 Meeting Minutes
- C. WCA Notice, Plymouth

## **9. ADJOURNMENT**

### **Upcoming Meetings**

- Next Gen Plan Steering Committee, Monday September 22, 4:30 – 6:30 p.m., Golden Valley City Hall
- NEMO Streambank & Stormwater Tour/Workshop, Thursday September 25, 4:00 – 7:30 p.m. (pre-registration required)
- Mississippi River Forum, Friday September 26, 8:00 – 11:00 a.m., MWMO Offices
- Technical Advisory Committee Meeting (if ordered), Thursday October 2, 1:30 – 3:30 p.m., TBD
- Commission Workshop for Plan Development (tentative) Thursday October 9, 4:00 – 6:00 p.m. TBD

### **Future Commission Agenda Items list**

- Develop fiscal policies
- Medicine Lake rip-rap issue over sewer pipe
- Presentation on joint City of Minnetonka/ UMN community project on storm water mgmt
- State of the River Presentation
- Presentation on chlorides

### **Future TAC Agenda Items List**

- Develop guidelines for annualized cost per pound pollutant removal for future CIP projects
- Stream identification signs at road crossings
- Blue Star Award for cities
- Look into implementing “phosphorus-budgeting” in the watershed – allow “x” pounds of TP/acre.



## Bassett Creek Watershed Management Commission

### AGENDA MEMO

Date: September 10, 2014

To: BCWMC Commissioners

From: Laura Jester, Administrator

RE: Background Information for 9/18/14 BCWMC 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
    - i. August 11, 2014 Commission Workshop – **ACTION ITEM with attachment**
    - ii. August 21, 2014 Commission Meeting – **ACTION ITEM with attachment**
  - B. Approval of Financial Report - **ACTION ITEM with attachment**
  - C. Approval of Payment of Invoices - **ACTION ITEM with attachments**
    - i. Keystone Waters, LLC –August 2014 Administrator Services
    - ii. Barr Engineering –August 2014 Engineering Services
    - iii. Amy Herbert – August 2014 Secretarial Services
    - iv. ACE Catering – September 2014 Meeting Refreshments
    - v. Wenck – August 2014 WOMP Monitoring
    - vi. Kennedy Graven – July 2014 Legal Services
    - vii. Finance and Commerce – Public Hearing Notice
    - viii. Shingle Creek WMC – Metro Blooms Raingarden Workshops
    - ix. ECM Publishers – Public Hearing Notice
  - D. Approval to Set Technical Advisory Committee (TAC) Meeting for October 2, 2014- **ACTION ITEM no attachment** – *The TAC should meet in October to begin discussing revisions needed in the Requirements Document to align with expected policies in new Watershed Plan, begin developing guidelines for annualized cost per pound pollutant removal for future CIP projects, and discuss the idea of stream identification signs at road crossings.*
  - E. Approval of Winnetka Commons Project, New Hope – **ACTION ITEM with attachment** - *The proposed commercial development is in the North Branch and Bassett Creek Park Pond Subwatersheds on a 4.9 acre parcel. The proposed redevelopment includes site grading and construction of a retail building with parking with an increase in impervious area of approximately 6,500 square feet. Proposed BMPs include underground stormwater storage. Staff recommends conditional approval of the project based on comments in the attached memo.*
5. **PUBLIC HEARING**
  - A. Receive Comments from Public on the Proposed 2015 Capital Improvement Program (CIP) Project: Main Stem Restoration Project, Golden Valley (CR2015) **(feasibility study online)**  
*The public hearing will be opened and the public will be asked for comments on the project proposed to be added to the 2015 CIP. All comments will be entered into the public record and will be considered before the Commission approves the resolution in 6B below and before the Commission orders the project in October.*



## 6. BUSINESS

- A. Consider Resolution Approving Major Plan Amendment to Include 2015 CIP Project – ACTION ITEM with attachment - *At the 2/20/14 meeting, the Commission directed staff to submit a request for a Major Plan Amendment to BWSR. State review agencies and Hennepin County reviewed the request. Comments were received from the DNR; the Commission submitted responses to those comments that were approved at the 5/15/14 Commission meeting. The Major Plan Amendment was approved by the BWSR Board at their meeting last month. The final step is for the Commission to approve the amendment to its Plan to include the 2015 CIP project.*
- B. Consider Resolution Making Findings Pursuant to Minnesota Statutes, Section 103B.251 and Certifying Costs to Hennepin County - ACTION ITEM with two attachments *Pending the outcome of the public hearing in 5A, the attached resolution should be approved to make findings pursuant to MN Statutes 103B.251 and certifying the costs of the 2015 project to Hennepin County. Additionally, the attached memo further recommends the Commission direct staff to certify for payment by Hennepin County in 2015 a total tax levy request of \$1,000,000, and direct the transfer of \$503,000 from the Closed Project Account to pay for the remaining portion of the total 2015 project costs.*
- C. Review Draft Feasibility Report for Northwood Lake Improvement Project (NL-1) – ACTION ITEM with attachment ( and full feasibility report online) *At the 5/15/14 meeting, the Commission approved an agreement with the City of New Hope for the development of a feasibility study for this project. The Commission Engineer reviewed the feasibility report and recommends approval with a few changes. The Commission should consider the different concepts in the report and provide direction to the City of New Hope regarding which concept BMP(s) should be implemented.*
- D. Review Draft Feasibility Report for Honeywell Pond Expansion (BC-4) – ACTION ITEM with attachment (and full feasibility report online) *At the 6/19/14 meeting, the Commission approved an agreement with the City of Golden Valley for the development of a feasibility study for this project. The Commission Engineer reviewed the feasibility report and recommends approval with several changes. The Commission should consider the different alternatives in the report and provide direction to the City of Golden Valley regarding which alternatives should be implemented.*
- E. Order Submittal of Plan Amendment to BWSR for 2016 projects – ACTION ITEM no attachment *At the 6/19/14 meeting, the Commission approved an accelerated timeline for the 2016 CIP projects (6C and 6D above). An amendment to the 2004 Watershed Plan will be needed to appropriately incorporate these projects into the Commission's CIP. At this time it's unknown whether this would require a major or minor plan amendment process. Staff is seeking direction to work with BWSR to determine the appropriate amendment process and then begin the process by submitting an amendment request to BWSR and Hennepin County.*
- F. Consider Approval of Briarwood Dawnview Water Quality Improvement Project 90% Plans (BC-7) – ACTION ITEM with attachment (and full plan set online) - *At the 3/20/14 meeting, the Commission approved the 50% design plans for this project with Commission Engineer's recommendations. The Commission Engineer has been working with Golden Valley staff and their consultant as the design plans were revised from 50% to 90%. The Commission Engineer reviewed the 90% plans and recommends approval with conditions outlined in the attached memo.*
- G. Consider Moving Forward with Twin Lake Alum Treatment - ACTION ITEM with attachment *At the 9/19/13 meeting, the Commission approved a major plan amendment to include this project in its CIP. However, at the time the Commission did not enter an agreement with Golden Valley to begin the project due to questions about possibly improving water quality in the lake. Additionally, the Commission wondered if certain fish species or abundance would shorten the effectiveness of the*



alum treatment. After fish surveys in 2013, more data collection in 2014, and further review of the data, the Commission Engineer, Golden Valley staff, and I recommend moving forward with the in-lake alum treatment. Please see the memo attached.

- H. Receive Update on Next Generation Watershed Management Plan Development –  
**INFORMATIONAL ITEM with attachment** - *The development of the Watershed Plan continues to move forward. The Plan Steering Committee met on 8/25/14 and meets again on 9/22/14. The Commission should hold a workshop to review the remaining policy areas and discuss the Commission's role in recreation. Staff and the Plan Steering Committee are also seeking input on projects that can or should be included in the Implementation Tables within the Plan. Please see my email from 9/4/14 with a request for that input by September 26<sup>th</sup>.*
- i. Plan Steering Committee Meeting Notes from 7/28/14
  - ii. Input Needed to Update Implementation Tables
  - iii. Plans for Upcoming Workshop (Currently slated for 10/9/14)

**7. COMMUNICATIONS - INFORMATIONAL ITEMS with attachment**

- A. Administrator's Report – *Report including an update on all current CIP projects is attached*
- B. Chair
- C. Commissioners – Update on Golden Valley Arts and Music Festival
- D. TAC Members
- E. Committees
- F. Legal Counsel
- G. Engineer

**8. INFORMATION ONLY - INFORMATIONAL ITEMS with documents online only**

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**9. ADJOURNMENT**

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- Mississippi River Forum, Friday September 26, 8:00 – 11:00 a.m., MWMO Offices
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- Commission Workshop for Plan Development (tentative) Thursday October 9, 4:00 – 6:00 p.m. TBD



## Bassett Creek Watershed Management Commission

### Commission Workshop on Next Generation Watershed Management Plan Meeting Minutes

4:00 – 6:00 p.m.

Monday August 11, 2014

Hennepin County Library Golden Valley Branch 830 Winnetka Ave, N; Golden Valley MN 55427

**Attendees:** Plan Steering Committee (PSC) Chair Linda Loomis, Commission Chair de Lambert, Commissioner Black, Commissioner Hoschka, Commissioner Carlson, Commissioner Mueller, Alternate Commissioner Goddard, Alternate Commissioner Crough, Alternate Commissioner Tobelmann, Alternate Commissioner McDonald Black; TAC members Oliver, Francis, Eberhart; Administrator Jester, Engineer Chandler, Steve Christopher (BWSR), Rachel Olmanson (MPCA), Karen Jensen and Emily Resseger (Met Council), Randy Anhorn (Hennepin County), Jim Prom (Plymouth City Council)

#### 1. Welcome and Introductions

Chair de Lambert opened the meeting at approximately 4:00, welcomed the group, and thanked Plan Steering Committee members for their work, especially committee Chair Linda Loomis. Introductions were made around the table.

#### 2. Review Progress of Plan Development

Administrator Jester gave an overview of progress made to date during previous workshops including finalizing goals for the Plan. She noted that many policy sections were close to being completed and that the Plan Steering Committee (PSC) had a joint meeting with the Technical Advisory Committee (TAC) shortly after the last workshop to discuss the possibility of using MIDS as the Commission's water quality standards in the Plan. She noted that after considerable discussion, there was consensus that the MPCA's Minimal Impact Design Standards (MIDS) should be used and that revised policies for consideration tonight include that recommendation. She noted that after one more workshop in late September or early October, the draft Plan should be ready for a 60-day review in November. She reminded the group that only policies highlighted in orange would be discussed at the meeting unless someone "pulled" a different policy for discussion (similar to a consent agenda).

#### 3. Review Draft Policies in Water Quality and Flooding and Rate Control Sections

Engineer Chandler reminded the group that at the last workshop (in April) the group discussed the question of using MIDS but ultimately sent the issue back to the Plan Steering Committee and the TAC. During a joint meeting of the PSC and the TAC, there was consensus to use MIDS. The policies in need of discussion and approval at this workshop reflect that recommendation. There was some discussion about the pros and cons of using MIDS. Engineer Chandler noted that although the requirements were more stringent than current policies, there was also flexibility built into the standards and that many sectors and experts had jointly developed the standards. Ms. Jensen noted that the MIDS language that provides different standards for linear projects should be included in the Commission policies. The group agreed that was an oversight and to add this language.



Policy #13: Will add language regarding linear projects

Policy #24: Okay as written

Policy #46: Engineer Chandler noted that this policy requires the MIDS infiltration standards so it's included in the rate and flood control policy section. She noted the language regarding linear projects would also need to be added to this policy. Administrator Jester noted that further details on MIDS would be included in the Requirements Document. Mr. Oliver asked how this policy compares with current rate and volume control requirements. Engineer Chandler reported there is currently a requirement for conformance with the flood control project system design and that draft policy #45 includes a requirement for cities to manage stormwater runoff so that future and peak flow rates leaving development and redevelopment sites are equal to or less than existing rates. Alternate Commissioner Goddard noted that policy #45 (or at least the Requirements Document) should indicate which events require the rate control (e.g. 2-year, 10-year, and 100 year storms).

Ms. Jensen asked if the Minnesota Stormwater Manual is referenced for design guidance (to protect groundwater from infiltrating through contaminated materials). Engineer Chandler noted it was referenced in policy #67. The group agreed draft policy #46 is okay as written with the addition of linear project language.

Policies #58 and 59: Engineer Chandler noted these policies were recent additions in order to address the approved goal related to climate change. There were no comments on the draft policies; approved as written.

#### **4. Review Draft Erosion and Sediment Control Policies**

Engineer Chandler noted that the group had not yet seen the Erosion and Sediment Control policies but that most were not controversial and the requirements would stay the same from the 2004 plan.

Policy #74: There was consensus that the policy was appropriate. Okay as written.

Policy #79: Engineer Chandler noted that some member cities hoped this Plan would address end-of-pipe sediment sources and controls. This policy works to address these issues on a case by case basis. There was some discussion about what was included in possible Commission funding including sampling and testing. Ultimately, the group decided the phrase "may fund removal" implies total costs.

#### **5. Review Draft Stream Restoration and Protection Policies**

Policy #82: The group discussed how soft armoring of streambanks doesn't always allow the preservation of riparian trees and how residents' desires often dictate what would be done for streambank restoration in a particular area. The group agreed more education to residents is needed regarding streambank restoration and protection. Administrator Jester noted it could be added as a message in the Education and Outreach Plan. Commissioner Mueller recommended that a fact sheet noting the benefits of soft armoring be developed for use with landowners. Ms. Jensen noted that soft armoring can improve aquatic habitats and reminded the group that the MPCA is looking at standards that effect aquatic life. The policy is okay as written.

Policy #95: Some in the group indicated that a 10-foot buffer requirement doesn't do enough to protect streambanks. Mr. Oliver noted that often the streambanks in need of protection are in backyards without a lot of space. He indicated it was a fair starting point and a good compromise. There was discussion about the trigger used to require the buffer which is proposed to be the same as the trigger for requiring

MIDS. After further discussion the group agreed a lower trigger was appropriate and decided on the trigger used to require erosion and sediment control: 10,000 sq. ft. of disturbed area or 200 cubic yards of cut or fill. The policy will be revised to reflect this trigger.

## **6. Review Draft Wetland Policies**

Policy #96: Little discussion; group agreed the policy is reasonable and allows flexibility. Okay as written.

Policy #97: There was some discussion about wetlands currently used for stormwater treatment. The group agreed that those wetlands would not be classified as Preserve or Manage 1 and thus would not require the protections in ordinance. Policy is okay as written.

Policy #99: There was some discussion about previous development around wetlands, the triggers for requiring buffers and which types of wetlands should require buffers. Commissioner Black noted the importance of the policy and that eastern Plymouth would be redeveloping in the next 20 years. Mr. Oliver noted that regulations need to “walk the fine line” between economic opportunity and resource protection. Ultimately, the group agreed the policy was okay as written.

Policy #104: There were some questions about the accessibility of wetlands for inspection. The group agreed that if a wetland was inaccessible due to private property, then the “when feasible” clause would come into play. There was some discussion about terrestrial invasive species and what different cities are doing to combat them. It was noted that controlling invasive species could be included in the Education and Outreach Plan. Policy is okay as written.

## **7. Review Draft Ditch Policies**

Policy #107: There was some discussion about the process for transferring ditch authority. Engineer Chandler noted that the policy only encourages cities to request taking ditch authority and noted that the process under MN Statute 383B.61 is refined and simple. Mr. Anhorn noted that it's the County that holds a public hearing rather than the city. One minor edit was discussed: the addition of the words “is transferred” in the last sentence, after the phrase “Until authority over public ditches.” The policy is okay as revised.

## **8. Next Steps and Adjourn**

Administrator Jester reminded the group that another workshop would be needed in September or October. The meeting adjourned at 5:35 p.m.





## Bassett Creek Watershed Management Commission

### Minutes of Regular Meeting August 21, 2014 Golden Valley City Hall, 8:30 a.m.

#### Commissioners and Staff Present:

Crystal	<i>Not represented</i>	Robbinsdale	<i>Not represented</i>
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 LeFevre, Kennedy & Graven
Minnetonka	Commissioner Jacob Millner, Secretary	Engineer	Karen Chandler, Barr Engineering Co.
New Hope	Alternate Commissioner Pat Crough	Recorder	Amy Herbert
Plymouth	Commissioner Ginny Black		

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

Patrick Anderson, AMLAC	Jeff Oliver, TAC, City of Golden Valley
Caroline Amplatz, Golden Valley Resident	John O'Toole, Alternate Commissioner, City of Medicine Lake
Derek Asche, TAC, City of Plymouth	Bob Paschke, City of New Hope
Marge Beard, City of Plymouth	Tory Peterson, Perpich Center for Arts Education
Harvey Feldman, Friends of Northwood Lake	Jim Prom, City of Plymouth
Erick Francis, TAC, City of St. Louis Park	David Stack, Friends of Bassett Creek
Christopher Gise, Golden Valley Resident	Liz Stout, City of Minnetonka
Steve Heiskary, MN PCA	Peter Tiede, St. Paul
Tom Mathisen, TAC, City of Crystal	Robert White, Friends of Northwood Lake

#### 1. CALL TO ORDER AND ROLL CALL

On Thursday, August 21, 2014, at 8:36 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. The Cities of Crystal and Robbinsdale were absent from the roll call.

## 2. CITIZEN FORUM ON NON-AGENDA ITEMS

Tory Peterson of the Perpich Center for Arts Education introduced himself, described the school and its location in Golden Valley and in the watershed. He explained that the theme for his students this year is “water.” Mr. Peterson explained his students would be working on 3 design concepts regarding water and that he would also like his students to learn about the watershed, community, and government. Administrator Jester and Commission Hoschka volunteered to connect with Mr. Peterson.

Minneapolis resident David Stack asked if the Commission has a policy on kayaking on Bassett Creek and if not, he requested that the Commission create one. There was a brief discussion on the Commission’s current 2014 Watershed Management Plan process, discussion within that process about recreational policies, and how kayaking considerations mean consideration in design of creek projects with regard to things like cross vanes. Administrator Jester said that she would follow up with Mr. Stack about opportunities within the plan process for discussion of such policies.

Patrick Anderson, President of the Association of Medicine Lake Area Residents (AMLAC), announced that AMLAC is holding its annual Medicine Lake “Walk About;” a community and education event at Medicine Lake on September 13 from 11 a.m. to 2 p.m. He said it is a walk on the path around the lake between East and West Medicine Lake Parks, with educational displays, food, and events.

## 3. AGENDA

Commissioner Black moved to approve the agenda. Commissioner Welch seconded the motion. Upon a vote, the motion carried 7-0 [Cities of Crystal and Robbinsdale absent from vote].

## 4. CONSENT AGENDA

Commissioner Welch requested the removal of items 4Cii – Barr Engineering Invoice, and 4D – Approval of TruStone Financial Building Project in Golden Valley. Chair de Lambert said that the invoice would be added to the agenda before item 5A and the TruStone item would be added to the agenda after 5A. Chair de Lambert requested that item 5C – Final Approval of 2015 Operating Budget – be added to the Consent Agenda. Commissioner Black moved to approve the Consent Agenda as amended. Commissioner Welch seconded the motion. Upon a vote, the motion carried 7-0 [Cities of Crystal and Robbinsdale absent from vote].

[The following items were approved as part of the Consent Agenda: the July 17, 2014, Commission Meeting minutes, the monthly financial report, and the payment of the invoices (except for the invoice from Barr Engineering, Approval to set public hearing date for October Commission meeting to receive comments from cities on 2015 Main Stem Project, and Final approval of the 2015 Operating Budget.)]

The general and construction account balances reported in the Financial Report prepared for the August 21, 2014, meeting are as follows:

Checking Account Balance	\$651,686.13
<b>TOTAL GENERAL FUND BALANCE</b>	<b>\$651,686.13</b>
<b>TOTAL CASH &amp; INVESTMENTS ON-HAND (8/12/14)</b>	<b>\$3,064,158.09</b>



CIP Projects Levied – Budget Remaining	(\$2,861,732.83)
Closed Projects Remaining Balance	\$202,425.26
2013 Anticipated Tax Levy Revenue	\$8,756.59
2014 Anticipated Tax Levy Revenue	\$428,419.50
Anticipated Closed Project Balance	\$639,601.35

## 5. BUSINESS

### **Barr Engineering Company Invoice for July 2014 Engineering Services**

Referring to the invoice from Barr Engineering, Commissioner Welch wondered how the Commission Engineer and the Administrator handled inquiries from individuals with various concerns in the watershed. He recognized the Commission needed to be responsive to residents but also wanted to be sensitive to consultants' time. There was a brief discussion. Administrator Jester suggested that she and Commissioner Welch talk about his concern outside the meeting and bring the issue back to the Commission at a future meeting, if needed. Commissioner Black mentioned that she thinks the Administrative Services Committee should be conducting an annual review on how the Commission is functioning, conducting business, and using staff resources.

### **A. Receive Information and Updates on Blue-Green Algae**

Administrator Jester reported that the algae data from the most recent monitoring of Sweeney Lake showed no evidence of the blue green algae toxins but the message is still for people to use discernment.

Engineer Chandler reported that other agencies in the metro area weren't surprised to see the appearance of blue-green algae early in the season especially due to the amount of rain this area received in June and the subsequent runoff from the rain events.

Chair de Lambert noted that the Commission should be considering its role in this issue if any, especially in regard to the watershed management plan.

Administrator Jester introduced Steve Heiskary, a research scientist with the Minnesota Pollution Control Agency. Mr. Heiskary provided a PowerPoint presentation on algae and algal toxins in Minnesota. He gave an overview of algae, a brief history of algal toxins, shared some case studies, and described the findings from some Minnesota studies.

Mr. Heiskary noted that blue-green algae develop each summer. He said that this summer the MPCA has been seeing it in new places, so the MPCA has been getting contacted a lot about it. He listed the types of algae and explained that blue-greens are grouped as a phytoplankton but are actually bacteria that gain energy through photosynthesis. Mr. Heiskary described the conditions in which different algae thrive. He said that blue-green algae prosper in hot temperatures, abundant sun, calm winds, and in nutrient-rich waters that are low in silica and nitrogen.

Mr. Heiskary described the different toxins that can be produced by blue-green algae: Microcystin (of which

there are 80 variants), saxitoxin, anatoxin-a, cylindrospermopsin, and BMAA. There was a discussion of the effects of these toxins. Ms. Chandler added that the sample from Sweeney Lake earlier in the summer showed the presence of anatoxin and some microcystin.

Mr. Heiskary gave an historical overview of documented cases of blue-green algae starting in the late 1800s. He talked about some activities in the early 2000s in Minnesota such as the formation in 2005 of the MN Blue-Green Algal Toxicity Workshop.

He noted that the MPCA has a lot of information on its website about blue-green algae including many photographs so that residents can learn more the algae.

Mr. Heiskary summarized that blue-green algae are one of several forms of algae in Minnesota lakes and that blue-green algae are found in all Minnesota lakes. He stated that severe blooms are most frequent in lakes with high nutrients, warm water, low wind, and an abundance of sunlight. Mr. Heiskary explained that several forms of blue-green algae produce toxins, which can cause death for animals that consume the water. He said that people can get gastrointestinal illnesses, skin rashes, and respiratory problems. He added that the most commonly measured toxin is microcystin. He said that the MPCA's message is "when in doubt, keep out" if residents suspect the presence of blue-green algae.

Mr. Heiskary also noted that the MPCA is developing microcystin recreational risk-based thresholds for water bodies.

Administrator Jester brought up the idea raised by residents and the Commission at a previous meeting about using rapid test kits to monitor lakes in the watershed. Mr. Heiskary suggested that if the Commission wanted to undertake some type of monitoring in the watershed, the Commission could consider doing a study for a range of lakes to get a better understanding of patterns and the relationship of blue-green algae and the waters in the watershed. He didn't recommend simply giving out the test kits for residents to sample here and there. He did think it might make sense to use the test kits at publicly-run beaches.

Mr. Stack asked what can help alleviate the problem of the blue-green algae blooms. Mr. Heiskary responded that there are no easy or short-term solutions. He said that reducing nutrients, implementing TMDLS (Total Maximum Daily Load Studies) and BMPs (best management practices) would help greatly. Mr. Heiskary said to think of the blue-green algae blooms in terms of frequency, intensity, and duration. Commissioner Welch said that blue-green algae add a health component to the reasons behind watershed management. Mr. Heiskary agreed that it does raise the bar and that there is an important educational component to get this information out to people regarding the reasons behind stormwater management and load reductions.

Mr. Heiskary answered questions and said that Administrator Jester has a copy of today's PowerPoint presentation.

## **B. Approval of TruStone Financial Building Project in Golden Valley**

Commissioner Welch stated that he would like the Commission to consider how it handles projects such as this one because he believes that it is not good policy for projects of this size to receive no water quality treatment from the Commission. He remarked that most concerning to him with this project is the fairly substantial amount of fill in the 100-year floodplain.

Engineer Chandler noted that she believes that the City of Golden Valley had provided additional wetland mitigation and floodplain storage so that the City could do this type of project. She provided more details on the history of the site. Mr. Oliver also provided details about the history of the site, the land donated by General Mills and the purpose behind it, and the City's work with floodplain mitigation. Commissioner



Welch asked about the biofiltration system planned for the site and added that it would be a bad idea to infiltrate through a contaminated site. Mr. Oliver said he believes it is a filtration system, not an infiltration system. He said that his recollection is that the previous owner did mitigation prior to selling the property and that there were minor leaks that were cleaned up. He said that documentation on this will be provided.

Commissioner Welch requested that the Commission Engineer's recommendation number 5 in the August 12, 2014, memo on the project be revised to include that approval of the project is contingent on not infiltrating through contaminated soils. There were more questions about flood levels. Mr. Oliver clarified that there will be no increase in flood levels in this portion of the creek due to General Mills or any work here. Engineer Chandler wanted to clarify that the flood level in the area of the project is no longer 888 but is now quite a bit lower but the City hasn't yet gone through the formal process to have it changed. Mr. Oliver confirmed. He added that flood levels and flood mitigation is his top priority and this project does not pose greater flood risks.

Commissioner Black moved to incorporate Commissioner Welch's requested language into the Commission Engineer's recommendation number 5 and approve the project with the Engineer's recommendations. Commissioner Hoschka seconded the motion. Chair de Lambert asked Commissioner Welch to restate his recommendation. Commissioner Welch said that his recommendation was that the Commission's approval is contingent on there being no infiltration through contaminated soils. Upon a vote, the motion carried 6-0 [City of Minneapolis abstained from the vote, and the cities of Crystal and Robbinsdale were absent from vote].

#### **C. Review Mid-Year 2014 Budget Status**

Administrator Jester reported that she and the Commission Engineer reviewed the status of the annual budget. She said that overall the budget is anticipated to be exceeded for technical services by approximately \$9,500. She provided a correction to a line item in the Commission Engineer's memo on this agenda item. Administrator Jester described the reasons for the anticipated overages. She described the anticipated savings of up to \$10,000 to \$13,000 in other line (non-engineering) budget items. Administrator Jester recommended that the Commission not change or discontinue any services, and she said that she believes that the Commission will finish out its fiscal year in the black.

Administrator Jester said that for the watershed plan the Commission Engineer anticipates being over-budget by \$5,000 by the end of 2014. Administrator Jester reminded the Commission that it budgeted \$30,000 for the watershed plan in 2015. She said that the Commission may go over budget this year with the plan but will try to be back in line with the plan budget in 2015. Administrator Jester added a few caveats, noting that the Commission has had and may continue to have intense discussions on policies in the plan, there are questions about the Commission's role in recreation to discuss, and there is the implementation plan to put together. She said that she is not promising that the plan budget at the end of the process will come in exactly on budget but that is her hope.

Commissioner Black supported the Administrator's recommendation and recommended keeping a close eye the budget. She asked that another budget review come to the Commission at its October meeting.

#### **D. Consider Agreement with Golden Valley for Design and Construction of Schaper Pond Diversion Project**

Administrator Jester reminded the Commission that last September it adopted a resolution ordering the project but did not enter into an agreement with Golden Valley because there were questions about whether the State would permit the project. She reported that the Commission has worked through the permitting issues and that discussions about whether or not Golden Valley will ultimately be able to take credit for this project in their MS4 permit are ongoing. Mr. Oliver noted the City would like to move forward. Administrator Jester said

that Barr Engineering has provided to the City of Golden Valley a proposal to design and construct the Schaper Pond Diversion Project. She noted that in front of the Commission today is an agreement between the City of Golden Valley and the Commission for the City to move ahead with the project with a total reimbursable project cost not to exceed \$612,000.

Commissioner Welch asked and Engineer Chandler confirmed that the Commission did not receive Clean Water funds for this project. There were some questions about who would construct the project. Commissioner Welch explained that the construction would be bid.

Commissioner Welch said that in paragraph 2 of the agreement, the language reads that plans and specifications are subject to review by the Commission. He said that the Commission refined that language to provide more specificity about checkpoints and asked why that more specific language doesn't appear in this agreement.

Engineer Chandler described the process that she envisions the project will follow, which is the Commission's CIP process. Commissioner Welch and Attorney LeFevre discussed the language in the agreement, and Commissioner Welch asked for the language to be more specific and for "subject to" to be removed. Mr. Oliver said that the City has no problem with that request.

Commissioner Black asked if the Commission Engineer would be reviewing its own work since Barr Engineering would be designing the project. There was a discussion. Attorney LeFevre said that the Commission could hire an outside engineer to do a peer review of the Commission Engineer's work, but it would be an unusual and costly step. Commissioner Black said that another option is to not have the Commission Engineer do the design. Mr. Oliver said that Barr Engineering is in the Commission's engineering pool and Barr Engineering has a 20-year history with the project site. Commissioner Black said that she has worked in many jobs in which she had her work reviewed and that now and again someone would find an error. She said that when the feasibility study and the design are both done by the Commission Engineer, it opens the project up to problems that may cause cost increases in the future. She said that she thinks it is not a good way to conduct business to have everything done internally with no one from the outside reviewing the project.

There was discussion about different member cities' processes with regard to contracting for feasibility studies and project design. Mr. Asche said that for him the perfect process would be for the Commission Engineer to do the feasibility studies but not the design. He said that instead he would look to an outside firm in the pool to do the design because he feels there is an advantage to having an outside consultant do the design and the Commission Engineer review it because he likes an extra set of eyes on it. Mr. Asche said that it is each city's choice since the City has to manage the projects.

There was discussion about the revision to the language in the agreement. Mr. Oliver said that the City is fine with a revision as long as it doesn't mean that minor change orders need Commission approval because the delays that could occur in construction would be costly.

Commissioner Welch moved that the Commission approve the agreement subject to Commission review of the 90% plans / bid documents and that the Commission authorize Counsel to work out change order language in the agreement with the Chair's review and approval. Commissioner Hoschka seconded the motion. Upon a vote, the motion carried 7-0 [Cities of Crystal and Robbinsdale absent from vote].

#### **E. Receive Update on Next Generation Watershed Management Plan Development**

Administrator Jester provided an update and reported that the Commission needs to hold a workshop in late September or early October to discuss remaining policies and the draft implementation plan. The Commission



agreed that Administrator Jester would send out a Doodle poll to coordinate the workshop.

#### **F. Receive Update on Materials for New Commissioners**

Commissioner Black recommended that the Joint Powers Agreement and a list of acronyms be included in the materials and suggested that the Commission have a presentation annually to review the Open Meeting Law. There was a brief discussion and the Commission agreed that these materials should go on the Commission's website and can be provided to new members in other formats if necessary.

*[Commissioner Hoschka of Golden Valley and Commissioner Millner of Minnetonka depart the meeting]*

Administrator Jester said that she will work on gathering those pieces and will work with the recorder to get the materials posted.

#### **G. Consider Approval of Plans for Volunteer Recognition**

Administrator Jester summarized the proposed process for recognizing volunteers. Commissioner Welch suggested that in this inaugural year the Commission recognize volunteers going back at least one year. Commissioner Black moved to approve the process with the addition of continuing to recognize outgoing Commission members with a certificate at the member's final meeting. Alternate Commissioner Crough seconded the motion. Upon a vote, the motion carried 5-0 [Cities of Crystal, Golden Valley, Minnetonka, and Robbinsdale absent from vote].

*[Commissioner Carlson of Medicine Lake departs the meeting. Alternate Commissioner John O'Toole assumes voting role.]*

#### **H. Consider Commission Involvement on Project Advisory Team for MPRB Ecological System Plan**

Administrator Jester gave a summary of the project and reported that Engineer Chandler attended the first meeting. She noted that approximately three more meetings are planned. Commissioner Welch moved that he attend the meetings and that if he can't attend, Administrator Jester will attend in his place. Commissioner Black seconded the motion. Upon a vote, the motion carried 5-0 [Cities of Crystal, Golden Valley, Minnetonka, and Robbinsdale absent from vote].

#### **I. Receive Update on Watershed Map**

Administrator Jester said that she has a meeting tomorrow about the map, plans to order the printing of 2,500 copies, and has requested that the map be done and ready for Golden Valley Days.

#### **J. Receive Update on NEMO Workshops**

Administrator Jester noted that 14 local officials and BCWMC members attended the July workshop on Lake Minnetonka. She announced that there is one more workshop, which will be a bus tour of storm water improvement projects. She added that staff is still investigating sites to add to the tour.

#### **K. Discuss Plans for Commission Involvement in Golden Valley Days**

Administrator Jester said that Golden Valley Days is on September 13<sup>th</sup> and the BCWMC will have a vehicle in the parade. She said that if anyone is interested in being in the parade to contact her. She announced that she will send out an email with updates on the event.

## **6. COMMUNICATIONS**

### **A. Administrator:**

- i. Administrator Jester announced that she and the City of Golden Valley are helping with a tour for

MPCA staff next Tuesday morning. She said the tour is of BMPs and will stop at the Wirth Lake Outlet Structure and the Main Stem restoration project in Golden Valley.

**B. Chair:** No Chair Communications

**C. Commissioners:**

- i. Commissioner Black announced that she has requested that the Plymouth City Council appoint David Tobelmann as the Commissioner and her as the Alternate Commissioner for the BCWMC.
- ii. Commissioner Welch, Administrator Jester, and Engineer Chandler provided an update on the permit status at the U.S. Army Corps of Engineers for the Main Stem restoration project in Minneapolis. Engineer Chandler reported that the grant for the project has been extended.
- iii. Commissioner Welch announced that the Minneapolis Transportation Public Works Committee passed the Joint Powers Agreement amendment, which will go to the Minneapolis City Council next week for approval. He said he anticipates that the amendment will be signed before the next Commission meeting.
- iv. Commissioner Welch requested that the Administrator touch base with the City of Robbinsdale regarding the city's representation on the Commission.

**D. TAC Members:** No TAC Communications

**E. Committees:** No Committee Communications

**F. Legal Counsel:** No Legal Communications

**G. Engineer:**

- i. Engineer Chandler spoke about the MPCA's responses to the Commission's comments on the bacteria TMDL. She provided a summary of the responses. Engineer Chandler said that the Commission could have an informal conversation with the MPCA, could send a letter to the U.S. Environmental Protection Agency, or could just work things out during implementation and planning.
- ii. Engineer Chandler reported that the Commission isn't eligible for this next round of Clean Water Fund grants because the Commission's Watershed Management Plan expires in September and for the Commission to be eligible there needs to be a plan in effect.

**7. INFORMATION ONLY (Available at  
<http://www.bassettcreekwmo.org/Meetings/2014/2014-August/2014AugustMeetingPacket.htm>)**

- A. Grant Tracking Summary and Spreadsheet
- B. WCA Notices, Plymouth



## 8. ADJOURNMENT

Chair de Lambert adjourned the Bassett Creek Watershed Management Commission Regular Meeting at 11:26 a.m.

---

Amy Herbert, Recorder

Date

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Secretary

Date

## Bassett Creek Watershed Management Commission General Account

## General Fund (Administration) Financial Report

Fiscal Year: February 1, 2014 through January 31, 2015

MEETING DATE: September 18, 2014

(UNAUDITED)

Item 4B.  
BCWMC 9-18-14

<b>BEGINNING BALANCE</b>	<b>12-Aug-14</b>	<b>651,686.13</b>
<b>ADD:</b>		
<b>General Fund Revenue:</b>		
Interest less Bank Fees	(6.30)	
Reimbursed Construction Costs	7,972.40	
	<b>Total Revenue and Transfers In</b>	<b>7,966.10</b>
<b>DEDUCT:</b>		
<b>Checks:</b>		
2666 Barr Engineering	Aug Engineering Services	44,851.68
2667 D'Amico Catering	Sept Meeting	157.53
2668 Amy Herbert LLC	Aug Secretarial	2,064.56
2669 Kennedy & Graven	July Legal	2,965.10
2670 Keystone Waters LLC	Aug Administrator	3,807.55
2671 Wenck Associates	Outlet Monitoring	1,117.14
2672 Finance & Commerce	PH Notice	71.93
2673 Shingle Creek WMO	Raingarden Workshops	2,220.00
2674 ECM Publishers Inc	PH Notice	392.64
	<b>Total Checks</b>	<b>57,648.13</b>
<b>ENDING BALANCE</b>	<b>9-Sep-14</b>	<b>602,004.10</b>

	2014/2015 BUDGET	CURRENT MONTH	YTD 2014/2015	BALANCE
<b>OTHER GENERAL FUND REVENUE</b>				
ASSESSMENTS	490,345	0.00	490,344.00	1.00
PERMIT REVENUE	60,000	0.00	24,400.00	35,600.00
REVENUE TOTAL	550,345	0.00	514,744.00	35,601.00
<b>EXPENDITURES</b>				
ENGINEERING				
ADMINISTRATION	120,000	12,134.74	76,179.64	43,820.36
PLAT REVIEW	65,000	5,236.50	30,486.20	34,513.80
COMMISSION MEETINGS	16,000	976.50	10,682.08	5,317.92
SURVEYS & STUDIES	20,000	1,057.50	7,445.66	12,554.34
WATER QUALITY/MONITORING	45,000	10,553.63	44,095.80	904.20
WATER QUANTITY	11,000	898.24	9,113.70	1,886.30
WATERSHED INSPECTIONS	1,000	0.00	60.00	940.00
ANNUAL FLOOD CONTROL INSPECTIONS	20,000	0.00	247.50	19,752.50
REVIEW MUNICIPAL PLANS	2,000	0.00	0.00	2,000.00
ENGINEERING TOTAL	300,000	30,857.11	178,310.58	121,689.42
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	40,000	5,860.72	29,628.79	10,371.21
PLANNING TOTAL	40,000	5,860.72	29,628.79	10,371.21
ADMINISTRATOR	60,000	3,807.55	32,513.35	27,486.65
LEGAL COSTS	18,500	2,746.20	13,916.13	4,583.87
AUDIT, INSURANCE & BONDING	15,500	0.00	12,476.00	3,024.00
FINANCIAL MANAGEMENT	3,045	0.00	0.00	3,045.00
MEETING EXPENSES	3,000	157.53	1,115.25	1,884.75
ADMINISTRATIVE SERVICES	35,800	2,097.41	12,764.37	23,035.63
PUBLICATIONS/ANNUAL REPORT	2,000	0.00	2,272.00	(272.00)
WEBSITE	2,000	0.00	0.00	2,000.00
PUBLIC COMMUNICATIONS	3,000	464.57	1,051.50	1,948.50
WOMP	17,000	1,174.64	9,215.20	7,784.80
EDUCATION AND PUBLIC OUTREACH	15,000	0.00	4,348.07	10,651.93
WATERSHED EDUCATION PARTNERSHIPS	15,500	2,220.00	5,720.00	9,780.00
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
TMDL STUDIES	20,000	290.00	5,764.00	14,236.00
GRAND TOTAL	600,345	49,675.73	309,095.24	291,249.76
		Current	YTD	
Construct Exp		7,972.40	53,860.95	
Total		57,648.13	362,956.19	



BCWMC Construction Account  
Fiscal Year: February 1, 2014 through January 31, 2015  
September 2014 Financial Report

(UNAUDITED)

Cash Balance 08/12/14			
Cash		2,064,158.09	
Investments:		1,000,000.00	
	<b>Total Cash &amp; Investments</b>		3,064,158.09
Add:			
Interest Revenue (Bank Charges)		(31.71)	
Henn County Property Tax Levy			
	<b>Total Revenue</b>		(31.71)
Less:			
CIP Projects Levied - Current Expenses - TABLE A		(6,289.90)	
Proposed & Future CIP Projects to Be Levied - Current Expenses - TABLE B		(1,682.50)	
	<b>Total Current Expenses</b>		(7,972.40)
	<b>Total Cash &amp; Investments On Hand</b>	<b>09/09/14</b>	<b>3,056,153.98</b>
Total Cash & Investments On Hand		3,056,153.98	
CIP Projects Levied - Budget Remaining - TABLE A		(2,740,073.12)	
<b>Closed Projects Remaining Balance</b>		<b>316,080.86</b>	
2013 Anticipated Tax Levy Revenue - TABLE C		8,756.59	
2014 Anticipated Tax Levy Revenue - TABLE C		428,419.50	
<b>Anticipated Closed Project Balance</b>		<b>753,256.95</b>	
Proposed & Future CIP Project Amount to be Levied - TABLE B		0.00	

**TABLE A - CIP PROJECTS LEVIED**

	Approved Budget	Current Expenses	2014 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
Plymouth Creek Channel Restoration (2010 CR)	965,200.00	0.00	0.00	933,688.61	31,511.39
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	31.00	201,513.94	986.06
5/13 Increase Budget - \$22,500					
Main Stem Irving Ave to GV Road (2012 CR)	856,000.00	3,432.50	5,912.40	142,673.95	713,326.05
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	0.00	101,635.49	888,364.51
<b>2014</b>					
Schaper Pond Enhance Feasibility/Project (SL-1)(SL-3)	612,000.00	218.90	12,641.50	75,926.50	536,073.50
Briarwood / Dawnview Nature Area (BC-7)	250,000.00	201.50	5,619.00	12,249.09	237,750.91
Twin Lake Alum Treatment Project (TW-2)	163,000.00	2,437.00	0.00	15,349.80	147,650.20
	<b>4,814,900.00</b>	<b>6,289.90</b>	<b>24,203.90</b>	<b>2,074,826.88</b>	<b>2,740,073.12</b>

**TABLE B - PROPOSED & FUTURE CIP PROJECTS TO BE LEVIED**

	Approved Budget - To Be Levied	Current Expenses	2014 YTD Expenses	INCEPTION To Date Expenses	Remaining Budget
<b>2015</b>					
Main Stem 10th to Duluth	0.00	124.00	8,431.00	9,789.75	(9,789.75)
2015 Project Totals	0.00	124.00	8,431.00	9,789.75	(9,789.75)
<b>2016</b>					
Bryn Mawr Meadows (BC-5)	0.00	0.00	5,282.80	5,282.80	(5,282.80)
Honeywell Pond Expansion (BC-4)	0.00	966.50	109.45	109.45	(109.45)
Northwood Lake Pond (NL-1)	0.00	592.00	149.25	149.25	(149.25)
2016 Project Totals	0.00	1,558.50	5,541.50	5,541.50	(5,541.50)
Total Proposed & Future CIP Projects to be Levied	0.00	1,682.50	13,972.50	15,331.25	(15,331.25)

**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
2014 Tax Levy	895,000.00		895,000.00	0.00	466,580.50	466,580.50	428,419.50	895,000.00
2013 Tax Levy	986,000.00		986,000.00	0.00	905.50	977,243.41	8,756.59	986,000.00
2012 Tax Levy	762,010.00		762,010.00	0.00	0.00	756,623.34	5,386.66	762,010.00
2011 Tax Levy	863,268.83	(2,871.91)	860,396.92	0.00	0.00	854,306.79	6,090.13	862,400.00
2010 Tax Levy	935,298.91	(4,927.05)	930,371.86	0.00	0.00	926,271.81	4,100.05	935,000.00
2009 Tax Levy	800,841.30	(8,054.68)	792,786.62	0.00	0.00	792,822.49	(35.87)	800,000.00
2008 Tax Levy	908,128.08	(4,357.22)	903,770.86	0.00	0.00	904,112.72	(341.86)	907,250.00
				<u>0.00</u>			<u>452,375.20</u>	

**OTHER PROJECTS:**

	Approved Budget	Current Expenses / (Revenue)	2014 YTD Expenses / (Revenue)	INCEPTION To Date Expenses / (Revenue)	Remaining Budget
<b>TMDL Studies</b>					
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
<b>TOTAL TMDL Studies</b>	<u>254,000.00</u>	<u>0.00</u>	<u>0.00</u>	<u>156,117.37</u>	<u>97,882.63</u>
<b>Annual Flood Control Projects:</b>					
Flood Control Emergency Maintenance	500,000.00	0.00	0.00	0.00	500,000.00
Flood Control Long-Term Maintenance	598,373.00	0.00	7,712.15	26,195.48	572,177.52
Sweeney Lake Outlet (2012 FC-1)	250,000.00	0.00	0.00	179,742.18	70,257.82
<b>Annual Water Quality</b>					
Channel Maintenance Fund	275,000.00	0.00	0.00	59,718.10	215,281.90
<b>Total Other Projects</b>	<u>1,877,373.00</u>	<u>0.00</u>	<u>7,712.15</u>	<u>421,773.13</u>	<u>1,455,599.87</u>

<b>Cash Balance 08/12/14</b>	<b>1,212,193.22</b>
Add:	
Transfer from GF	0.00
MPCA Grant-Sweeney Lk	0.00
Less:	
Current (Expenses)/Revenue	0.00
<b>Ending Cash Balance 09/09/14</b>	<u><u>1,212,193.22</u></u>
<b>Additional Capital Needed</b>	<u><u>(243,407)</u></u>



Bassett Creek Construction Project Details

9/10/2014

CIP Projects Levied										
	Total CIP Projects Levied	2010 Plymouth Creek Channel Restoration (2010 CR)	2011 Wisc Ave (Duluth Str)- Crystal (GV)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	2013 Lakeview Park Pond (ML-8)	2013 Four Seasons Mall Area Water Quality Project (NL-2)	2014 Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	2014 Briarwood / Dawnview Water Quality Improve Proj (BC-7)	2014 Twin Lake In-Lake Alum Treatment Project (TW-2)
Original Budget Added to Budget	4,792,400 22,500	965,200	580,200	180,000 22,500	856,000	196,000	990,000	612,000	250,000	163,000
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	818,327.66	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
Feb 2014 - Jan 2015	30,493.80			31.00	9,344.90			12,860.40	5,820.50	2,437.00
Total Expenditures:	2,081,116.78	933,688.61	580,200.00	201,513.94	146,106.45	11,589.50	101,635.49	76,145.40	12,450.59	17,786.80
Project Balance	2,733,783.22	31,511.39		986.06	709,893.55	184,410.50	888,364.51	535,854.60	237,549.41	145,213.20

	Total CIP Projects Levied	2010 Plymouth Creek Channel Restoration (2010 CR)	2011 Wisc Ave (Duluth Str)- Crystal (GV)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	2013 Lakeview Park Pond (ML-8)	2013 Four Seasons Mall Area Water Quality Project (NL-2)	2014 Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	2014 Briarwood / Dawnview Water Quality Improve Proj (BC-7)	2014 Twin Lake In-Lake Alum Treatment Project (TW-2)
Project Totals By Vendor										
Barr Engineering	359,684.10	47,863.10	48,811.20	30,565.19	97,714.38	6,338.95	28,670.54	75,251.50	11,412.24	13,057.00
Kennedy & Graven	13,694.55	2,120.10	1,052.50	2,225.15	1,862.25	1,200.55	2,471.95	893.90	1,038.35	829.80
City of Golden Valley	691,803.86		526,318.80	165,485.06						
City of Minneapolis	30,718.11				30,718.11					
City of Plymouth	911,036.86	861,143.86					49,893.00			
City of Crystal										
Blue Water Science	3,900.00									3,900.00
S E H										
Misc										
2.5% Admin Transfer	70,279.30	22,561.55	4,017.50	3,238.54	15,811.71	4,050.00	20,600.00			
Total Expenditures	2,081,116.78	933,688.61	580,200.00	201,513.94	146,106.45	11,589.50	101,635.49	76,145.40	12,450.59	17,786.80

	Total CIP Projects Levied	2010 Plymouth Creek Channel Restoration (2010 CR)	2011 Wisc Ave (Duluth Str)- Crystal (GV)	2012 Wirth Lake Outlet Modification (WTH-4)	2012 Main Stem Irving Ave to GV Road (Cedar Lk Rd) (2012CR)	2013 Lakeview Park Pond (ML-8)	2013 Four Seasons Mall Area Water Quality Project (NL-2)	2014 Schaper Pond Enhancement Feasibility / Project (SL-1) (SL-3)	2014 Briarwood / Dawnview Water Quality Improve Proj (BC-7)	2014 Twin Lake In-Lake Alum Treatment Project (TW-2)
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
Construction Fund Balance	881,228	62,738	419,500	21,889	177,101	34,000	166,000			
BWSR Grant- BCWMO	504,750	212,250		75,000	217,500					
Total Levy/Grants	5,092,150	1,177,450	580,200	180,000	1,073,500	196,000	990,000	534,000	218,800	142,200

BWSR Final

4/8/13

67,500

108,750

West Medicine

Twin Lake

Main Stem Crystal to Regent(2010 CR)

Main Stem North Branch Crystal(2011 CR)

Project closed 6/30/12

Project closed 4/11/13

Project closed 11/20/13

Project closed 12/31/13

Bdgt

Exp

Balance

1,100,000.00

140,000.00

636,100.00

834,900.00

744,633.58

5,724.35

296,973.53

713,240.29

355,366.42

134,275.65

339,126.47

121,659.71

\*\*\*\$673.50 of expenses are from

Creek Construction Project Details

Bassett Creek Construction Project Details

Proposed & Future CIP Projects (to be Levied)					
Total Proposed & Future CIP Projects (to be Levied)	2015 Main Stem - 10th Ave to Duluth	2016 Bryn Mawr Meadows	2016 Honeywell Pond Expansion (BC- 4)	2016 Northwood Lake Pond (NL- 1)	MPCA Grant From GF
Original Budget					
Added to Budget					
Expenditures:					
Feb 2004 - Jan 2005					
Feb 2005 - Jan 2006					
Feb 2006 - Jan 2007					
Feb 2007 - Jan 2008					
Feb 2008 - Jan 2009					
Feb 2009 - Jan 2010					
Feb 2010 - Jan 2011					
Feb 2011 - Jan 2012					
Feb 2012 - Jan 2013					
Feb 2013 - Jan 2014	1,358.75	1,358.75			
Feb 2014 - Jan 2015	13,837.80	8,555.00	5,282.80	1,075.95	741.25
Total Expenditures:	15,196.55	9,913.75	5,282.80	1,075.95	741.25
Project Balance	(15,196.55)	(9,913.75)	(5,282.80)	(1,075.95)	(741.25)

Total Proposed & Future CIP Projects (to be Levied)	2015 Main Stem - 10th Ave to Duluth	2016 Bryn Mawr Meadows	2016 Honeywell Pond Expansion (BC- 4)	2016 Northwood Lake Pond (NL- 1)
Project Totals By Vendor				
Barr Engineering	16,506.30	9,665.00	5,282.80	966.50
Kennedy & Graven	507.45	248.75	109.45	149.25
City of Golden Valley				
City of Minneapolis				
City of Plymouth				
City of Crystal				
Blue Water Science				
S E H				
Misc				
2.5% Admin Transfer				
Total Expenditures	15,196.55	9,913.75	5,282.80	1,075.95

Total Proposed & Future CIP Projects (to be Levied)	2015 Main Stem - 10th Ave to Duluth	2016 Bryn Mawr Meadows	2016 Honeywell Pond Expansion (BC- 4)	2016 Northwood Lake Pond (NL- 1)	MPCA Grant
Levy/Grant Details					
2009/2010 Levy					
2010/2011 Levy					
2011/2012 Levy					
2012/2013 Levy					
2013/2014 Levy					
Construction Fund Balance					
BWSR Grant- BCWMO					
Total Levy/Grants					
BWSR Grants Received					

Other Projects							
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	Totals - All Projects
1,647,373.00	105,000.00	119,000.00	500,000.00	748,373.00	250,000.00	175,000.00	6,439,773.00
163,870.64		163,870.64		(250,000.00)			22,500.00
230,000.00	30,000.00			100,000.00		100,000.00	163,870.64
6,949.19				3,954.44			230,000.00
10,249.09	637.20			9,611.89		2,994.75	637.50
113,141.44	23,486.95	89,654.49					6,949.19
117,455.33	31,590.12	47,041.86					10,249.09
76,184.64	31,868.63	44,316.01				38,823.35	113,141.44
45,375.25	15,005.25	25,920.00					138,409.58
12,656.65	168.00	5,290.50			4,450.00		85,504.59
21,094.00	3,194.00				7,198.15		116,298.22
174,826.03	1,815.00			4,917.00	168,094.03	17,900.00	989,942.64
7,712.15				7,712.15			174,268.66
585,643.77	107,765.15	212,222.86		26,195.48	179,742.18	59,718.10	994,512.44
1,455,599.87	27,234.85	70,647.78	500,000.00	572,177.52	70,257.82	215,281.90	52,043.75

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	Totals - All Projects
239,955.59	104,888.70	94,948.17		22,108.82	18,009.90		616,145.99
5,977.19	1,164.30	2,902.59		94.40	1,461.15	354.75	20,179.19
180,811.13					160,271.13	20,540.00	872,614.99
38,823.35						38,823.35	30,718.11
101,598.10		101,598.10					949,860.21
18,478.41	1,712.15	12,774.00		3,992.26			3,900.00
585,643.77	107,765.15	212,222.86		26,195.48	179,742.18	59,718.10	101,598.10

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	Totals - All Projects
163,870.64		163,870.64					902,462
60,000.00	10,000			25,000		25,000	220,700
60,000.00	10,000			25,000		25,000	822,010
60,000.00	10,000			25,000		25,000	1,046,000
50,000.00				25,000		25,000	945,000
393,870.64	30,000	163,870.64		100,000		100,000	881,228

504,750





## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 4E – Winnetka Commons – New Hope  
BCWMC September 18, 2014 Meeting Agenda  
**Date:** September 10, 2014  
**Project:** 23270051 2014 2021

### 4E Winnetka Commons: New Hope

#### Summary:

**Proposed Work:** Demolition of an existing building, construction of a new building

**Basis for Commission Review:** Use of underground storage for water quality treatment

**Change in Impervious Surface:** Increase 6,500 square feet

**Recommendation:** Conditional Approval

#### General Background & Comments

The proposed commercial development will be located on the southeast corner of the Winnetka Avenue and 36<sup>th</sup> Avenue North intersection on the 4.9 acre parcel. The proposed redevelopment includes site grading and construction of a retail building with associated parking. Approximately 0.8 acres will be graded as part of this project and there will be an increase in impervious surface of approximately 6,500 square feet. Proposed BMPs include underground stormwater storage. The site is in the North Branch and Bassett Creek Park Pond Subwatershed.

Since the area to be graded is greater than 10,000 square feet, the proposed project must meet the BCWMC erosion control requirements. Because the parcel is a redevelopment on a parcel of less than 5 acres, the proposed project is exempt from the BCWMC Level 1 Standards. The project must meet the BCWMC Nondegradation Policy for redevelopment projects because the parcel size is between 1 and 5 acres and the added impervious surface area is greater than 2,000 square feet.

#### Floodplain

N.A.

#### Wetlands

N.A.

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item E – Winnetka Commons – New Hope  
**Date:** September 10, 2014  
**Page:** 2  
**Project:** 23270051 2014 2021

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## **Stormwater Management**

Under existing conditions, the runoff from the site discharges to a stormwater pond at the northwest corner of the site which drains to the storm sewer in 36<sup>th</sup> Avenue North. Under proposed conditions, the pond will be filled and an underground proprietary StormTrap retention/detention system will be installed. The StormTrap system includes a series of 72" high reinforced concrete units that forms an underground vault beneath the parking area. The proposed stormwater management system will provide rate control such that the proposed discharge rates from the site will not exceed existing discharge rates for the 2-, 5-, 10-, and 100-year storm events.

## **Water Quality Management**

Currently, the stormwater pond provides limited water quality benefits due to its minimal dead storage and average depth. Proposed permanent BMPs include the referenced StormTrap system including a grit chamber and a skimmer at the outlet. Water quality requirements are proposed to be met by setting the invert of the underground StormTrap system 6" below the outlet invert and using an interior wall to prevent short circuiting of the system. The grit chamber and skimmer at the outlet will capture floatables and sediment before water leaves the system.

## **Erosion and Sediment Control**

Temporary erosion control features include silt fence, inlet protection around all storm sewer inlets, a rock construction entrance, and street sweeping.

## **Recommendation**

Conditional approval based on the following comments:

1. The following erosion control comments must be added to the plans:
  - No construction access shall be allowed from the driveway at the southwest corner of the disturbed area.
  - Silt fence along the western edge of the property should be shown as continuous.
  - Silt fences shall be supported by sturdy metal or wooden posts at intervals of 4 feet or less.
  - Cut off berm of rock construction entrances must have a minimum height of 2 feet above the adjacent roadway and maximum side slopes of 4:1.
  - 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.



**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item E – Winnetka Commons – New Hope  
**Date:** September 10, 2014  
**Page:** 3  
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- Temporary vegetative cover must be 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.
  - Permanently seeded areas shall be either mulched or covered by fibrous blankets to protect seeds and limit erosion.
2. Details for the StormTrap system, grit chamber and skimmer must be provided on the plans.
  3. Applicant shall review the BCWMC's *Requirements for Improvements and Development Proposals - Section 6.3.2 Underground Wet Vault Design and Maintenance Requirements* and incorporate the following and other appropriate design recommendations.
    - It is recommended to increase the permanent pool average depth to be  $\geq 4$  feet, with a maximum depth of  $\leq 10$  feet, to improve removal efficiency.
    - To the extent practicable, the inlet to the wet vault shall be submerged with the inlet pipe invert a minimum of 3 feet from the vault bottom and the top of the inlet pipe shall be submerged at least 1 foot. The submerged inlet is intended to dissipate energy of the incoming flow. The distance from the bottom is intended to minimize resuspension of settled sediment.
    - Operational access to the outlet must be provided to the finished ground surface.
    - Adequate vents in the vault or other provisions must be included to ensure the water in the vault does not become "stagnant" resulting in anoxic conditions and the release of phosphorus in the water column.
    - Pretreatment such as grit chambers, swales with check dams, filter strips, or sediment forebays/traps should be considered, at least at the primary inlet, to extend the maintenance frequency of the wet vault.
  4. Sediment that has accumulated in the underground storage must be removed after the site and tributary area has been graded and stabilized.
  5. The existing and proposed water quality treatment at the site should be clarified by reporting pounds of TSS and TP on an annual basis for both the inflow and outflow from the site. The size and impervious area of the contributing drainage areas should also be reported.
  6. The sizing of the system should be based on meeting the nondegradation requirements of the BCWMC for the redevelopment; however, the entire drainage area to the underground system should be considered to prevent the system from being overloaded and flushed.

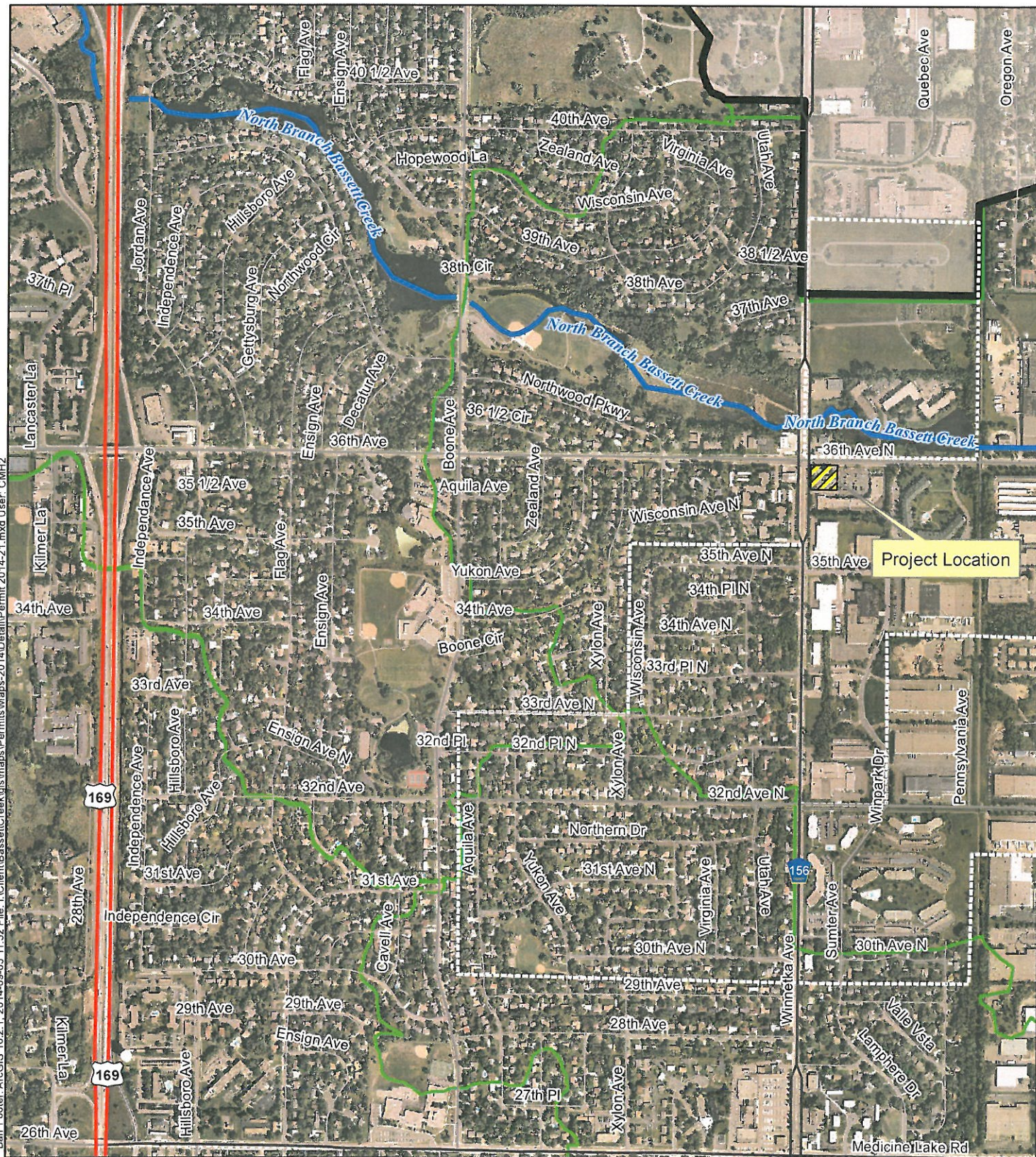
**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item E – Winnetka Commons – New Hope  
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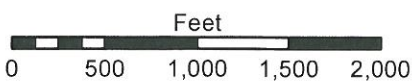
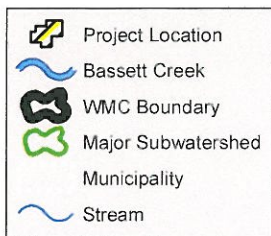
7. A maintenance agreement for the underground retention/detention system should be established between the applicant and the City of New Hope.
8. Revised plans must be submitted to the BCWMC Engineer for review and approval.



Barr Footer: ArcGIS 10.2.1, 2014-05-05 11:52 File: I:\Client\BassettCreek\maps\Permits\Maps-2014-21.mxd User: CMH2



Imagery Source: Aerial Express (2009)



**LOCATION MAP  
APPLICATION 2014-21  
Winnetka Commons  
New Hope, MN**





1-87-STORMTRAP


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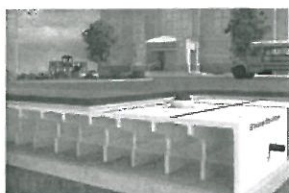
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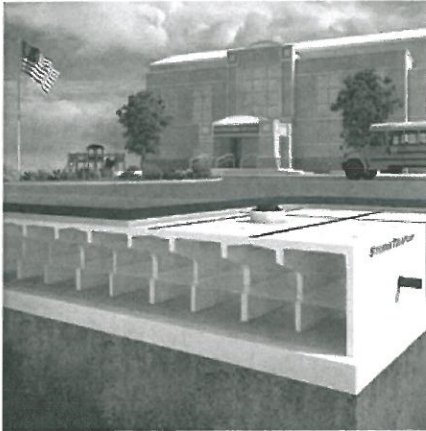
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- An option for watertight systems.
- Lifetime Warranty

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U.S. Patent Numbers: 6, 991, 402 B2; 7, 160, 058 B2; 7, 344, 335 | [Login](#)

BASSETT CREEK WATERSHED MANAGEMENT COMMISSION

Item 6A.  
BCWMC 9-18-14

RESOLUTION NO. \_\_\_\_\_

RESOLUTION APPROVING WATERSHED PLAN AMENDMENT

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's watershed plan entitled, "Bassett Creek Watershed Management Commission, Water Management Plan, July 2004" was originally adopted on September 16, 2004 (hereinafter the "Plan"); and

WHEREAS, the Commission has submitted for review an amendment to the Plan to add to the capital improvement program a project for 2015 to restore approximately 1.8 miles of the Main Stem of Bassett Creek from 10<sup>th</sup> Avenue to Duluth Street in the City of Golden Valley (project CR2015) (the "Plan Amendment"); and

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

WHEREAS, the Commission finds that the adoption of the Plan Amendment 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 Amendment is hereby approved in accordance with Minn. Stat. § 103B.231, Subd. 10.
2. The Secretary is directed to transmit a copy of the Plan Amendment to the clerks of all member cities.

Adopted by the Board of Commissioners of the Bassett Creek Watershed Management Commission this 18<sup>th</sup> of September, 2014.

\_\_\_\_\_  
Chair

ATTEST:

\_\_\_\_\_  
Secretary

## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6B—Consider Resolution Making Findings Pursuant to Minnesota Statutes, Section 103B.251 and Certifying Costs to Hennepin County  
BCWMC September 18, 2014 Meeting Agenda  
**Date:** September 10, 2014  
**Project:** 23270051.35 2014

### **6B Consider Resolution Making Findings Pursuant to Minnesota Statutes, Section 103B.251 and Certifying Costs to Hennepin County**

#### **Recommendations regarding certifying costs to Hennepin County:**

1. Direct staff to certify for payment by Hennepin County in 2015 a total tax levy request of \$1,000,000 for the 2015 project, as laid out in the resolution.
2. Direct the transfer of \$503,000 from the Closed Project Account to pay for the remaining portion of the total 2015 project costs.

#### **Background**

The BCWMC's CIP for 2015 includes the following project:

- Project 2015CR: Restore Main Stem Channel, 10<sup>th</sup> Ave. to Duluth St., located in Golden Valley.

Table 1 summarizes the total costs and funds needed for this project:



**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6B—Consider Resolution Making Findings Pursuant to Minnesota Statutes, Section 103B.251 and Certifying Costs to Hennepin County  
 BCWMC September 18, 2014 Meeting Agenda  
**Date:** September 10, 2014  
**Page:** 2

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**Table 1. Total Funds Needed for 2015 CIP Project**

Item	Estimated Costs
Construction (includes project bidding, construction costs, construction observation, engineering and design, permitting, and contingency)	\$ 1,386,000.00
Feasibility study	\$ 62,000.00
Other BCWMC costs expended thru 8/29/14	\$ 9,913.75
2.5% administrative transfer (2.5% of levy request)	\$ 25,000.00
Anticipated future costs – levy request, review of 50% and 90% plans & miscellaneous coordination/administration	\$ 20,000.00
<b>Total funds needed, rounded to nearest \$1,000</b>	<b>\$ 1,503,000.00</b>
<b>Closed project account</b>	
Anticipated Closed Project Balance per 9/9/14 financial report	\$ 753,000.00
Maximum amount to remain in Closed Project Account	\$ 250,000.00
<b>Minimum amount available to transfer from Closed Project Account</b>	<b>\$ 503,000.00</b>

As shown above, there is \$503,000 available in the closed project account for the 2015 CIP project. Staff recommends applying this amount to the 2015 project. The following table shows the impact of this on the estimated 2015 levy:

**Table 2. Recommended 2015 Levy:**

Item	Amount
Project 2015CR: Restore Main Stem Channel, 10 <sup>th</sup> Ave. to Duluth St., estimated total funds needed	\$ 1,503,000.00
Transfer from closed project account	\$ – 503,000.00
<b>Recommended 2015 Levy</b>	<b>\$ 1,000,000.00</b>

Staff's recommendation is a total 2015 levy request of \$1,000,000 for the project. This is the same as the maximum 2015 levy of \$1,000,000 that the Commission set at their April meeting.

**BASSETT CREEK WATERSHED MANAGEMENT COMMISSION**

**RESOLUTION NO. \_\_\_\_\_**

**A RESOLUTION MAKING FINDINGS  
PURSUANT TO MINNESOTA STATUTES, SECTION 103B.251,  
AND CERTIFYING COSTS TO HENNEPIN COUNTY**

WHEREAS, on September 16, 2004, the Commission adopted the *Bassett Creek Watershed Management Commission, Water Management Plan, July 2004* (the "Plan"); and

WHEREAS, the Plan includes a Capital Improvement Program ("CIP") listing capital projects in Table 12-2 of the Plan; and

WHEREAS, the CIP, as amended, includes the following capital project for the year 2015:

Restoration of the Main Stem of Bassett Creek from 10<sup>th</sup> Avenue to Duluth Street in the City of Golden Valley (CR2015) (hereinafter referred to as the "2015 Project"); and

WHEREAS, the Plan specifies a county tax levy under Minn. Stat., § 103B.251 as the source of funding for the 2015 Project; and

WHEREAS, on September 18, 2014, following published and mailed notice in accordance with the Commission's Joint Power Agreement and Minn. Stat., § 103B.251, the Commission conducted a public hearing on the 2015 Project.

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

1. The 2015 Project will be conducive to the public health and promote the general welfare and is in compliance with Minnesota Statutes, Sections 103B.205 to 103B.255 (the "Act") and with the Plan as adopted and amended in accordance with the Act.
2. The estimated cost of the 2015 Project is One Million Five Hundred Three Thousand Dollars (\$1,503,000). Of this amount, One Million Dollars (\$1,000,000) will be paid from funds received from a county tax levy pursuant to Minnesota Statutes, Section 103B.251, levied in 2014 for collection in 2015, and the remainder will be paid from the Commission's Capital Improvement Program Closed Project Account or other sources.
3. Of the cost of the 2015 Project, the Commission hereby certifies costs to Hennepin County in accordance with Minnesota Statutes, Section 103B.251 of One Million Dollars (\$1,000,000). The total amount certified to Hennepin County for the 2015

Project is One Million Dollars (\$1,000,000) for payment by the county in accordance with Minnesota Statutes, Section 103B.251, Subd. 6.

4. The cost of the 2015 Project will be paid by the Commission up to the amount specified in paragraph 2 above from the Capital Improvement Program Closed Project Account and proceeds received from Hennepin County pursuant to Minnesota Statutes, Section 103B.251. Additional costs may be paid by the city constructing the Project, but no costs will be charged to other members of the Commission.

Adopted by the Board of Commission of the Bassett Creek Watershed Management Commission the 18<sup>th</sup> day of September, 2014.

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Chair

ATTEST:

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Secretary





## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6C. Review of the Draft Feasibility Study for 2016 Northwood Lake Storm Water Improvements (CIP NL-1)  
BCWMC September 18, 2014 Meeting Agenda  
**Date:** September 10, 2014  
**Project:** 23270051 2014 633

### 6C. Review of the Draft Feasibility Study for 2016 Northwood Lake Storm Water Improvements, New Hope (CIP NL-1)

#### Summary:

**Proposed Work:** 2016 Northwood Lake Stormwater Improvements

**Basis for Commission Review:** Draft Feasibility Study Review

#### **Recommendations:**

- 1) Consider approval of the draft feasibility study, with recommended changes, and provide direction to the City of New Hope regarding which concept BMPs should be implemented.

The 2016 Northwood Lake Storm Water Improvement project will be funded by the BCWMC's ad valorem levy (via Hennepin County). The City of New Hope provided the draft feasibility study to the BCWMC Engineer for review, as directed by the Commission at their February 20, 2014 meeting. The following is a summary of the draft feasibility study and the Commission Engineer's recommended revisions for the study.

#### **Draft Feasibility Study Summary**

The City of New Hope's draft *Feasibility Report for Northwood Lake Storm Water Improvements* (Stantec, September, 2014) examines 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 that will 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.

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6C. Review of the Draft Feasibility Study for 2016 Northwood Lake Stormwater Improvements (CIP NL-1)  
**Date:** September 10, 2014  
**Page:** 2  
**Project:** 23270051 2014 633

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The three potential BMPs include:

- 1) Concept A – A stormwater reuse system (160,000 gallons) 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 used 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).

Figure 1 from the draft feasibility study (attached) shows the location of the concept BMPs.

Several stakeholder feedback meetings were held in July and August 2014, including two neighborhood meetings and a New Hope City Council meeting. Feedback from these meetings was incorporated into the conceptual designs. In general, the neighborhood residents and the City Council indicated a preference for Concepts A and C. There was concern that Concept B (wet retention pond) would take up a significant amount of usable park space in Northwood Park. Additionally, the stakeholders favored the stormwater reuse for irrigation to reduce city water costs.

Table 1 summarizes the estimated cost, estimated annual total phosphorus removal, and the annualized cost per pound of phosphorus removed for each of the conceptual designs, as presented in the draft feasibility study. The annualized costs were calculated using a 30-year time frame and an interest rate of 5%.

**Table 1. Summary of the Northwood Lake Storm Water Improvements Conceptual BMP Designs**

<b>Scenario</b>	<b>Capital Cost (\$)</b>	<b>Annual Total Phosphorus Removal (lbs/year)</b>	<b>Annualized Cost/Benefit (\$/lb Phosphorus Removed/year)</b>
Concept A	\$1,200,872	16.3	\$5,607
Concept B	\$134,264	15.4	\$993
Concept C	\$150,456	5.7	\$2,639
Concepts A and C	\$1,351,328	22.0	\$4,838
Concepts B and C	\$284,720	21.1	\$1,438

The feasibility report recommends the implementation of Concept A and Concept C.

The Northwood Lake Storm Water Improvement project is included the BCWMC's 2016-2020 CIP. The accompanying fact sheet for the Northwood Lake stormwater improvements indicated the construction of

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6C. Review of the Draft Feasibility Study for 2016 Northwood Lake Stormwater Improvements (CIP NL-1)  
**Date:** September 10, 2014  
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**Project:** 23270051 2014 633

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two BMPs, one at the Jordan Avenue outlot location (Concept C) and in Northwood Park (Concepts A & B). At the time the project was added to the BCWMC's CIP, the estimated project costs were \$595,000.

The draft feasibility report notes the following required permits/approvals for the project:

- 1) MPCA NPDES Construction Stormwater Permit (Concept A only)
- 2) City of New Hope Grading Permit
- 3) BCWMC Review

## Recommendations

The Commission Engineer recommends the following revisions to the draft *Feasibility Report for Northwood Lake Storm Water Improvements*:

- The Concept A Improvements section on page 7 should include the expected separation from the groundwater to the bottom of the proposed bioretention basins based on the soil borings.
- Although the feasibility study indicates that the impact of the stormwater reuse system (Concept A) on Northwood Lake will be minimal, the impact on Northwood Lake water levels should be quantified during final design, should the Commission select Concept A for implementation. The BCWMC has collected lake level data for Northwood Lake since the early 1990's and the BCWMC's P8 model includes the Northwood Lake watershed. Both sources of information are available for use in this evaluation.
- The proposed reuse of 10.2 acre-ft/year (3.3 million gallons per year) reuse may trigger a Minnesota Department of Natural Resources' (MDNR) water appropriations permit. If the MDNR would require an appropriations permit for Concept A, this permit requirement needs to be incorporated into the Permit Requirements section (page 16) of the feasibility study.
- For Concept Design A, the potential public health concerns related to stormwater reuse need to be summarized, and the potential mitigation measures that will be considered during final design need to be discussed (including working with City of New Hope plumbing code reviewers, UV disinfection, timing of irrigation to minimize contact with athletic field users, and signs indicating that stormwater is being used for irrigation).

The revised (final) feasibility study must be submitted to the Commission Engineer for review and to the Commission for approval.





## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6D. Review Draft Feasibility Study for 2016 Honeywell Pond Enhancement/Improvement Project (CIP BC-4), Golden Valley BCWMC September 18, 2014 Meeting Agenda  
**Date:** September 10, 2014  
**Project:** 23270051 2014 632

### 6D. Review Draft Feasibility Study for 2016 Honeywell Pond Enhancement/Improvement Project (CIP BC-4), Golden Valley

#### Summary:

**Proposed Work:** 2016 Honeywell Pond Enhancement/Improvement Project (CIP BC-4)

**Basis for Commission Review:** Draft Feasibility Study Review

#### **Recommendations:**

- 1) Consider approval of the draft feasibility study, with recommended changes, and provide direction to the City of Golden Valley regarding which alternatives should be implemented.

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 draft feasibility study to the BCWMC Engineer for review, as directed by the Commission at their February 20, 2014 meeting. The following is a summary of the draft feasibility study and the Commission Engineer's recommended revisions for the draft feasibility study.

#### **Feasibility Study Summary**

The City of Golden Valley's draft *Feasibility Report for the Honeywell Pond Enhancement/Improvement Project* (WSB, September 10, 2014) 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 and educational opportunities in the area. The improvement options selected for implementation would be constructed as part of the Douglas Drive Improvement Project, scheduled for construction in 2016.

The draft feasibility report identifies nine improvement options for the Honeywell Pond and nearby areas, including:





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The attached sheet from the City of Golden Valley (not included in the feasibility study) provides a summary of the project costs, funding, and the city's recommendations. As noted on the sheet, the city is able to contribute an estimated \$525,000 towards the project. This, combined with the estimated \$285,000 of BCWMC funding, results in an estimated \$810,000 of funding available for this project. The city recommends implementation of options 1, 2, and 3 (or 4.1, 4.2, and 4.3, as noted in the table) as the first priority, followed by implementation of options 7 and 8 (or 4.7 and 4.8), if additional BCWMC funding is available. The city recommends implementing one or more of the remaining options if additional funding sources are secured.

The feasibility report notes that the project may require the following permits/approvals:

- 1) Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers, and Section 401 certification from the Minnesota Pollution Control Agency (MPCA)
- 2) Compliance with the Minnesota Wetland Conservation Act
- 3) MPCA National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit
- 4) BCWMC approval
- 5) City of Golden Valley Stormwater Permit
- 6) City of Golden Valley Right-Of-Way Permit

The feasibility study should also note that the project will also follow the MPCA's guidance document for managing dredged materials, if applicable.

## Recommendations

The Commission Engineer recommends the following revisions to the draft *Feasibility Report for Honeywell Pond Enhancement/Improvement Project* (dated 9/10/2014):

1. On page 2, Table 1.1 and the paragraph following Table 1.1 use the term "flood storage reduction," which is confusing, as it would appear the project (option 2, in particular) would increase the flood storage and reduce flooding. This term should be replaced with a more appropriate description/term.
2. Models should be used to evaluate the impact of the selected options on flood elevations and peak discharges, estimate water availability, and estimate annual volumes that might be sent to treatment and to predict the overall phosphorus removal for the project. Models like XP-SWMM and P8 would be effective tools for such an evaluation. The XP-SWMM model should evaluate all the improvement options under the Atlas 14 100-year design storm conditions.
3. The pumping scenarios outlined in paragraph 7 of Section 1.1 conflict with the discussion outlined in paragraph 1 of Section 4.6. Please clarify pumping assumptions, either in Section 1.1 or the discussion of the assumptions for each of the improvement alternatives, as necessary.





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12. In Table 4.2, there are no estimated maintenance costs; if there are maintenance costs, they need to be added to the table.
13. In Table 4.11, there are no costs included for a force main to tie into the Honeywell irrigation system; the study should explain why this cost is not included.
14. The cost-benefit analyses (and resulting tables), should be revised to reflect a 30-year cost using the appropriate engineering economic factors. The estimated total 30-year maintenance costs appear to be based on a 50-year factor rather than a 30-year factor, as required in the BCWMC Feasibility Study Criteria. The annualized cost should be deleted from the table, as it is not ultimately used in the final calculation of the Cost/Pound/Year and it reflects a 50-year lifespan (rather than a 30-year lifespan).
15. Section 5 lists the permits that may be required for the potential improvement options. The study should clarify which permits will be required for each of the potential improvement alternatives and if any additional specific permits will be required for select alternatives. Also, the pond expansion option (option 2) will likely require following the MPCA's guidance document for managing dredged materials.
16. In Section 7.0, the second bullet point in the introductory paragraph includes a statement that the project "will increase the TMDL of the existing pond." The project will help achieve phosphorus load reductions to Bassett Creek that are consistent with the BCWMC's water quality improvement goals for areas tributary to Bassett Creek. However, there are not any TMDLs within the BCWMC that are directly addressed by the proposed improvement project.

The revised (final) feasibility study must be submitted to the Commission Engineer for review and approval by the Commission.

**PROJECT COSTS AND FUNDING SUMMARY**  
**HONEYWELL POND ENHANCEMENT/IMPROVEMENT PROJECT**

Pond / Water Quality Funding

City Storm Sewer / Water Quality Funding	\$900,000.00
<i>less Funds Needed for Douglas Dr Storm Sewer Work</i>	<i>-\$375,000.00</i>
Remaining City Storm Sewer / Water Quality Funding	\$525,000.00
Available for Honeywell Pond Project	
Estimated BCWMC Funding (From 2016-2020 CIP)	\$285,000.00
<b>Total Estimated Funding for Honeywell Pond Project</b>	<b>\$810,000.00</b>

Summary of Recommended Options and Costs and Running Total of Costs

Number	Name	(Includes Indirect & Contingency)	Running Total
		Total Cost	
<b><i>Recommended Options for Implementation</i><sup>1</sup></b>			
4.1	Low Flow Trunk Diversion from Douglas Drive	\$76,000.00	\$76,000.00
4.2	Expand Pond Footprint / Depth	\$707,000.00	\$783,000.00
4.3	Enhance Habitat / Perimeter	\$60,000.00	\$843,000.00
<b><i>Recommended Additional Options</i><sup>2</sup></b>			
4.7	Construct Lift Station and Forcemain to Sandburg Site for Irrigation	\$317,000.00	\$1,160,000.00
4.8	Construct Forcemain to Irrigate Honeywell	-	\$1,160,000.00
<b><i>Additional Options if funding is available</i><sup>3</sup></b>			
4.4	Iron Sand Filtration System	\$175,000.00	\$1,335,000.00
4.5	Construct Kiosk	\$40,000.00	\$1,375,000.00
4.6	Construct Sandburg Infiltration System	\$427,000.00	\$1,802,000.00
4.9	Construct Forcemain to Infiltration area to south	\$27,000.00	\$1,829,000.00

<sup>1</sup> Funding from City and BCWMC should be available for options 4.1-4.3.

<sup>2</sup> If additional BCWMC funding is available, the City recommends adding 4.7 and 4.8.

<sup>3</sup> These options are recommended if additional funding sources are secured

Notes:

\*\* The Douglas Drive Reconstruction Project includes stormwater improvements independent of the proposed Honeywell Pond Project that meet NPDES, BCWMC and all other water quality requirements.

\*\* The City and County are acquiring a large section of road right-of-way for the Douglas Drive Project. Necessary pond easements will be purchased concurrently at a cost to the Douglas Drive project.





## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6F – Consider Approval of Briarwood Dawnview Water Quality Improvement Project 90% Plans (BC-7)  
BCWMC September 18, 2014 Meeting Agenda  
**Date:** September 10, 2014  
**Project:** 23270051 2014 629

### 6F Consider Approval of Briarwood Dawnview Water Quality Improvement Project 90% Plans (BC-7)

#### Summary:

**Proposed Work:** Briarwood Nature Area Water Quality Improvement Project (CIP BC-7)

**Basis for Commission Review:** 90% plan review

**Recommendation:** Conditional Approval

#### General Background

The Briarwood/Dawnview water quality improvement project (CIP BC-7) is being funded by the BCWMC's ad valorem levy (via Hennepin County). The plans for the improvements are at the 90% stage, and the City of Golden Valley provided the plans to the BCWMC for review and comment, as set forth in the BCWMC CIP project flow chart developed by the TAC.

#### Feasibility Study Summary

The City of Golden Valley completed the *Briarwood/Dawnview Water Quality Improvement Project Feasibility Report* (WSB, April 2013) to evaluate options for improving the water quality discharged from a 184-acre single family residential watershed into the Bassett Creek Main Stem. Five potential projects were identified in the feasibility study.

#### Selected Project

The BCWMC selected Option 5 (pond with iron enhanced sand filter) from the feasibility study for construction, because it would remove the largest amount of total suspended solids and total phosphorus per year. The goal of the selected project was to reduce the phosphorus loading to Bassett Creek downstream of Highway 100 by an estimated 94 pounds per year. The 50-percent plans for the Briarwood/Dawnview Water Quality Improvement Project included a proposed pond with an iron enhanced sand filter located south of Dawnview Terrace and east of Highway 100. As the design was

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refined, the city's consultant determined that more phosphorus could be removed using a traditional wet pond design instead of the initially proposed pond with an iron enhanced sand filter. The design including the iron enhanced sand filter was expected to remove 29 pounds of phosphorus per year. The traditional wet pond design is expected to remove 40 pounds of phosphorus per year. The 90% submittal reflects the traditional stormwater treatment (wet) pond design. The Commission Engineer recommends approval of the change from Option 5 (pond with an iron enhanced sand filter) to Option 3 (stormwater treatment pond) of the feasibility study, with a lower amount of phosphorus removal. Review of the 90% submittal indicates the project is generally consistent with the feasibility study.

## 90% Design

Primary design features of the proposed pond, as shown on the 90% plans include:

- An 18-inch pipe will intercept runoff from the existing storm sewer under Dawnview Terrace and direct runoff through the proposed pond.
- The proposed pond has a bottom elevation of 835.0 feet, and provides 0.39 acre-feet of water quality ("dead") storage.
- Discharge from the pond will be controlled by a weir at elevation 840.5 ft., with an overflow elevation of 843.9 feet.

According to information provided by the city's consultant, the project is anticipated to achieve reductions in total phosphorus of 40 pounds per year (34%) and reductions in total suspended solids of 23.5 tons per year (66%).

## Recommendations

The Commission Engineer recommends conditional approval of the 90% drawings and that the Commission authorize the City of Golden Valley to proceed with final plans and contract documents. The following are the Commission Engineer's recommendations regarding the construction plans.

1. Pretreatment in the form of grit chambers, swales with check dams, filter strips, or sediment forebays/traps should be considered for inclusion in the plans.
2. An additional plan view detail that shows the location of the weir in CB5000 should be included on the plans for construction clarity.
3. Filter material must be included with all riprap installations. A detail for the riprap emergency overflow from the pond should be provided on the plans for construction clarity.

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4. Remove Specification Section 2502 – Drainage System Type IESF (Iron Enhanced Sand Filter) from sheet 5/11.
5. The following erosion control comments must be added to the plans:
  - a. Provide a temporary vegetative cover consisting of a suitable, fast-growing, dense grass-seeded mix spread at 1.5 times the usual rate per acre.
  - b. Temporary mulch must be uniformly applied by mechanical or hydraulic means and stabilized by disc anchoring or use of hydraulic soil stabilizers.
  - c. Provide a detail for the rock construction entrance on the plans.
  - d. Silt fences shall be supported by sturdy metal or wooden posts at intervals of 4 feet or less.
  - e. Any sediment accumulated during the pond area during construction must be removed prior to final stabilization of the pond.
6. Revised plans must be submitted to the BCWMC engineer for review and administrative approval.



## Memorandum

**To:** Bassett Creek Watershed Management Commission  
**From:** Barr Engineering Co.  
**Subject:** Item 6G. Consider Moving Forward with Twin Lake Alum Treatment  
BCWMC September 18, 2014 Commission Meeting  
**Date:** September 10, 2014  
**Project:** 23270051 2014 628

### 6G. Consider Moving Forward with Twin Lake Alum Treatment

#### Recommendations:

1. Develop a public outreach plan that can be used to communicate with homeowners and the public about an in-lake alum treatment of Twin Lake.
2. Enter into a cooperative agreement with the City of Golden Valley to proceed with the first phase of an in-lake alum treatment of Twin Lake, upon completion of the following tasks:
  - Determine alum dosage plan, including modeling of pH conditions and mapping of application area(s) and contractor staging area
  - Develop Engineer's estimate of costs
  - Submit background documentation and notify MPCA and DNR of intent to proceed with the alum application; respond to questions/comments
  - Develop contract documents specifying the dose and areal extent of the alum application, as well as the terms of payment and bid quantities
  - Oversee bid solicitation, bid opening and award, as well as alum application and compliance monitoring

#### Background and Basis for Recommendations

Historically, the water quality of Twin Lake in Golden Valley has been excellent with high clarity and low phosphorus levels. However, following consecutive years of poor water quality during 2008 and 2009, the Commission authorized an evaluation of the cause and the development of feasible management options. (The BCWMC 2004 Watershed Management Plan includes a policy stating "the Commission will continue to identify opportunities to maintain or improve the excellent water quality in Twin Lake.") The water quality evaluation concluded that internal phosphorus loading had increased, largely due to increased water temperature and greater oxygen depletion in the bottom waters of the lake. Based on the *Feasibility*

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*Report for Water Quality Improvements in Twin Lake* (February 2013 at <http://www.bassettcreekwmo.org/Meetings/2013/2013-February/6B-TwinLakeFeasibilityStudy-Final.pdf>), the Commission's 2014 CIP projects included an in-lake alum treatment of Twin Lake. The in-lake alum application is intended to seal off the bottom sediments, which is the source of internal phosphorus loading in Twin Lake. It was recommended that half of the prescribed alum dosage should be applied in 2014 and the other half should be applied in a subsequent year to avoid adversely affecting aquatic life and to maximize the lifespan of the treatment.

Due to questions about the fish community in Twin Lake and whether or not it might impact the longevity of the alum treatment, the Commission ordered a fish survey by Blue Water Science and also requested that the DNR conduct a survey. The results of those surveys were presented in reports to the Commission in October 2013. The consultant indicated that fish communities in Twin Lake should not pose a threat to the longevity of the alum treatment.

Another factor contributing to a delay in implementing the project was the apparently improving water quality of Twin Lake, which called into question the need for an alum treatment. Results of detailed BCWMC water quality monitoring from 2014 (not including samples from 8/20 and 9/2) and the Citizen Assisted Monitoring Program (CAMP) water quality monitoring completed for Twin Lake in 2010 and 2011 show good water quality. The following table shows the mean summer water quality over the past ten years and compares it to the Minnesota Pollution Control Agency's (MPCA) water quality standard for Secchi disc transparency (SD), and total phosphorus (TP) and chlorophyll-a (Chl-a) concentrations.

	TP	Chl-a	SD
<u>Year</u>	<u>µg/L</u>	<u>µg/L</u>	<u>meters</u>
2005	21	3.1	3.7
2008	43	8.6	1.9
2009	70	25.4	1.2
2010	19	2.5	3.2
2011	13	2.3	2.8
2014 (to-date)	20	4.0	4.0
Ten-Year Average (all readings)	34	8.3	2.7
MPCA Water Quality Standards	< 40	< 14	> 1.4

The results of the summer water quality monitoring from the last ten years show that Twin Lake would not be considered an impaired water body based on the MPCA's criteria for deep lakes in this region of the state. However, the water quality observations from 2009, and 2008 to a lesser extent, indicate poor water quality and do not meet MPCA's anti-degradation rules for high quality water bodies. A detailed analysis

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of the water quality monitoring data indicates that the poor water quality was brought on by the winter internal phosphorus load becoming fully mixed in the spring, which results in initially higher surface water phosphorus concentrations followed by increased water temperatures and potentially greater extent of oxygen depletion in the bottom waters of the lake throughout 2008 and 2009. It appears that, depending on climatic conditions, this deteriorating effect on water quality in Twin Lake could be expected to occur often enough in some years to stimulate persistent algal blooms and discourage recreational use of the lake. An in-lake alum treatment would greatly limit the source of the nutrients and ensure that water quality in Twin Lake is consistently as good as, or better than, the observations from 2005, 2010, 2011 and/or 2014.





## Bassett Creek Watershed Management Commission

### Next Generation Plan Steering Committee Meeting Notes

4:30 p.m. ~ Monday July 28, 2014  
Golden Valley City Hall

**Attendees:** Committee Chair Linda Loomis; Commissioner Ginny Black; Alternate Commissioner Pat Crough; TAC member Jeff Oliver; Engineers Karen Chandler and Greg Williams; Administrator Laura Jester

**1. Call Meeting to Order**

Chair Loomis called the meeting to order at 4:32 p.m.

**2. Approve Meeting Notes from July 7, 2014 Plan Steering Committee Meetings**

There were no changes suggested for these meeting notes. Consensus to approve as presented.

**3. Review Wetland Policies Revised per July 7 Plan Steering Committee Discussion**

Engineer Chandler reminded the group that some changes to the draft wetland policies were requested at the July 7<sup>th</sup> meeting. The changes were incorporated in the revised wetland policies and discussed here:

#97: There was some discussion about the need for a timeline for cities to comply. It was decided no timeframe was needed. Policy is okay as written.

#98: Okay as written.

#100: There was discussion about further refining the definition of recreational access – including permitting direct access through the buffer to the water. It was decided the Requirements Document would include more specificity.

#103a: Okay as written.

#103c: After a discussion about how State Law already covers the concern about using wetlands for stormwater treatment, the group decided to delete the policy.

#103d: It was decided to separate the policy into two different policies. Additionally, the reference to WHEP will include "or similar monitoring programs."

**4. Review Draft Education and Public Involvement Policies**

Administrator Jester noted that she drafted these policies and that most of the detailed text from the existing policies should be placed in the Education and Public Involvement Plan that will be part of the Watershed Plan. The group walked through the draft policies and had the following suggested changes:

#117a: Will be changed to “regularly review” rather than annually. There was a discussion about whether updates to the Education and Public Involvement Plan would require a plan amendment. Engineer Chandler suggested that the implementation section of the Plan include specific language allowing the Education and Public Information Plan to be updated without a plan amendment.

#117: Policies 117, 118, and 119a will be combined into a single revised policy 117a describing the purpose and scope of the Education and Public Involvement Plan. The information in Policy 117 will be included in the Education and Public Involvement Plan.

#118: Okay to delete as it’s redundant to Policy 117a.

#119: Combine with revised policy 117a addressing the Education and Public Involvement Plan. The details of the policy will be included in the Education and Public Involvement Plan.

#119a: First bullet of policy will be incorporated into revised policy #117a, but detailed bullets of this policy will be removed and placed into the Education and Public Involvement Plan.

#120: There was discussion about how many of these activities were already accomplished and should be taken out of this list. The group decided the first bullet should remain in the policy, but be reworded to indicate that the policy is regarding “standard messaging” of the Commission. The remaining bullets will be removed and placed in the Education and Public Involvement Plan.

#121: First bullet of policy will remain, but detailed bullets of this policy will be removed and placed into the Education and Public Involvement Plan.

#122 - #124: Okay to delete from policy section but to keep details in Education and Public Involvement Plan.

#125: The term “shore clean up” will be replaced with “other activities or events sponsored or organized by the BCWMC.”

#126 - #128: Okay to delete from policy section but to keep details in Education and Public Involvement Plan.

#129: Okay as written.

#130: Okay to delete from policy section but to keep details in Education and Public Involvement Plan.

#131: Okay as written.

#132 - #134: Okay to delete from policy section but to keep details in Education and Public Involvement Plan.

#135: There was discussion about combining this policy with #125 or changing the wording of #125 to refer to only BCWMC-sponsored or organized events. Others thought there was enough of a difference between the two policies to keep them separate, as written. The Administrator and Engineers said they would work on possibly rewording and/or combining the policies.

#136: The policy (first bullet) will remain, but detailed list of website communications will be removed and placed into the Education and Public Involvement Plan.

#137: The policy will remain, but detailed examples of this policy will be removed and placed into the Education and Public Involvement Plan.

The group decided that since there were so many policies referring to the Education and Public Involvement Plan (EPIP) that the Watershed Plan should include a statement before these policies regarding the BCWMC's development of an EPIP and referring the reader to the EPIP for details (rather than referring to the EPIP in each policy).

#138: There was some discussion about the need and/or viability of a citizen's advisory committee and how possibly the Commission could use its Education Committee as a Citizen Advisory Committee. The group decided to leave the policy more open ended and to reword as "The BCWMC will seek opportunities to use a citizen advisory committee to complete tasks meaningful to the Commission."

#139: Okay as written.

#140: "Continue to" will be removed from the first bullet. The group decided the phrase "continue to" should be removed from all policies.

#141: Policy will be deleted. It was decided this activity is between Commissioners and their cities.

#142: Policy will be revised – "interested citizens" will be changed to "Commissioners and open to the public."

#143 - #151: Okay to delete from policy section but to keep details in Education and Public Involvement Plan.

#152: Okay as written.

#153: Delete from policy section but keep details in Education and Public Involvement Plan.

## **5. Review Draft Administration Policies**

Administrator Jester noted that many of the Administration policies were previously discussed and approved and were moved into Administration from other policy sections. Other draft policies are new and were discussed as follows:

#154 - #155: Previously approved and moved from other sections. The words "continue to" will be removed from policy #155.

#156: Okay as written.

#157: Okay as written.

#158: The group decided to reword the policy to "The BCWMC will evaluate the member cities' compliance with the goals and policies of this Plan." Administrator Jester noted that State review agencies may require more specificity regarding how and when cities would be evaluated. She will contact BWSR staff in hopes of getting more guidance for this policy.

#159: Remove the words "continue to."

#160: - #161: Okay as written.

#162: Change the word "his" to "its" in second sentence.



#163: There was some discussion about this policy. This item was recommended by the TAC in the Gaps Analysis. The group wondered how onerous this activity might be for both city staff and Commission staff. Commissioner Black noted that cities already do similar work as part of their annual budgeting process. Chair Loomis thought the policy could result in inequities among cities. After discussion, it was decided to leave the policy as written, but it was noted it might need future revision.

#164 - #165: Okay as written.

#166: Okay as written but check if the language in the current Plan matches language in the JPA.

#167 - #168: Okay as written.

#169 - #170: Okay to delete.

#171: Add reference to the eligible project cost table.

#172: Okay as written.

#173 on (in Administration section): Okay to delete

#### **6. Discuss Workshop Agenda and Format**

The group discussed what items should be included on the workshop agenda, and whether it should include the question of the Commission's role in recreation. The group decided a discussion on recreation is needed, but more information is necessary before that discussion can occur (including results of the workshop between Golden Valley and Medicine Lake City Councils in mid-September and the scope of the possible water level study between Medicine Lake and Plymouth). The group decided to move forward with review of the following policies at the August 11<sup>th</sup> workshop:

Erosion and Sediment Control  
Stream Restoration  
Wetlands  
Ditches  
Education and Outreach (if time allows)

The group recommended another workshop in September to finalize the remaining policy sections.

This meeting adjourned at 6:30 p.m. The next meeting is scheduled for August 25<sup>th</sup> at 4:30 p.m.



## Bassett Creek Watershed Management Commission

# MEMO

Date: September 10, 2014  
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

**2012 Main Stem Restoration Project, Golden Valley Rd. to Irving Ave. N., Minneapolis and Golden Valley (mostly in Wirth Park) (2012CR):** Final plans are complete and bid documents will go out this week with sealed bids due on October 1<sup>st</sup>. According to the Minneapolis Park and Rec Board, all permits are on the way and some construction should begin this late fall and winter. A request to extend the Clean Water Fund grant for this project was recently approved by BWSR.

**2014 Schaper Pond Diversion Project, Golden Valley (SL-3):** At the August meeting, the Commission approved an agreement with the City of Golden Valley to proceed with design and construction of the project. 50% Plans are expected to be completed this fall and construction could begin in early 2015.

**2014 Twin Lake In-lake Alum Treatment, Golden Valley (TW-2):** See agenda item 6G.

**2014 Briarwood/Dawnview Water Quality Improvement Project, Golden Valley (BC-7):** The Commission considers approving the 90% plans for this project at this meeting. See item 6F.

**2015 Main Stem Restoration Project 10th Avenue to Duluth Street, Golden Valley (2015CR):** Public hearings on this project are scheduled for this meeting (see item 5A) and in October. Right now, city staff and the consultant are in the process of reviewing easements and walking the creek to determine access and the need for temporary construction permits prior to meeting with property owners. Staff is also looking at the condition of the stream banks and storm sewers following the wet spring and summer to see if anything has changed significantly. We anticipate meeting with property owners early this fall to discuss stabilization options and assist with the design. The project is expected to be ordered by the Commission at their October meeting.

**2016 Northwood Lake Improvement Project, New Hope (NL-1):** See item 6C. The Commission approved development of a feasibility study for this project at their May meeting. The draft feasibility report was reviewed by the Commission Engineer will be reviewed and discussed at this meeting.

### Other Projects

**Major Plan Amendment:** With the approval of the full BWSR Board on 8/28/14, the Commission's Major Plan Amendment is through the review process and ready for approval by the Commission. See agenda item 6A.

**Watershed Map Project:** The map is being printed as I write! I will distribute copies at the meeting and will provide each city with a small quantity for distribution.

**Hennepin County Natural Resources Partnership:** Hennepin County held their first meeting of this group in July. Commission Engineer Chandler attended in my absence. I plan to attend the next meeting on 9/30 if the agenda looks pertinent. This group plans to meet several times a year. The goal of the partnership is to discuss issues of common interest, provide a venue for presentations on an array of poignant topics, and promote a more comprehensive and collaborative approach to county-wide natural resource management.

**MPRB Ecological System Plan:** As directed at the August meeting, I attended the second meeting of the Project Advisory Team (as Commissioner Welch was unable to attend). A third meeting is scheduled for October 21. Commissioner Welch or I will attend the meeting.

**Participation in Golden Valley City Council Work Session:** On September 9<sup>th</sup>, at the request of Golden Valley Mayor Harris, I participated in a city council work session during a discussion with Medicine Lake Mayor Holter. Commissioners Carlson and Hoschka also attended. Medicine Lake water levels, recreation, and the XP-SWMM models were discussed. It was a good discussion and all agreed that Commission cities should stay informed and in touch with each other.

**Golden Valley Arts and Music Festival:** Thanks for volunteers: Commissioners Black and Hoschka and Alternate Commissioner McDonald Black, the Commission will be represented in the parade and at the festival's "Community Organizations" area. I helped coordinate volunteers and remain the point of contact with event organizers.

**Sweeney Lake Educational Sign(s):** The anonymous donor has decided to no longer pursue the fabrication and installation of these signs at this time.

**Next Generation Watershed Management Plan:** (See agenda item 6H) The Commission Engineer and I continue to draft policies and other sections of the Plan, coordinate Plan Steering Committee meetings, disseminate information, and track the project timeline. A Commission workshop was held on August 11<sup>th</sup> and the Plan Steering Committee met on August 25<sup>th</sup>. Another Commission workshop is slated for October 9<sup>th</sup> (tentative). The current Plan development timeline includes the release of the 60-day review draft this November. We are still hoping to meet that timeline.

**NEMO workshops:** The final West Metro NEMO workshop is scheduled for September 25<sup>th</sup> with a bus tour of stormwater projects and practices. The registration deadline is September 12<sup>th</sup>. At this time three officials from the Commission are registered for this event.

**Develop "New Commissioner" materials:** I continue to work with Amy Herbert to post these items on the Commission website.

**Commission Policies:** As recently directed by the Administrative Services Committee, by the end of the year I will develop policies on records and data retention, public access to documents, and fiscal policies.

**CIP Process Improvement:** There has been no change on this item since my June Administrator's Report. I hope to work with Alternate Commissioner Tobelmann on the use of project management software and with Amy Herbert on creating one webpage per CIP project.