



Bassett Creek Watershed Management Commission

A g e n d a

11:30 a.m., Wednesday, November 17, 2010

Golden Valley City Hall – 7800 Golden Valley Road, Golden Valley 55427

1. **CALL TO ORDER**
2. **APPROVAL OF AGENDA AND CONSENT AGENDA** - Items marked with an asterisk (*) will be acted on by consent with one motion unless a commissioner requests the item be removed from the consent agenda.
3. **CITIZEN INPUT ON NON-AGENDA ITEMS**
4. **ADMINISTRATION**
 - A. **Presentation of October 21, 2010, Meeting Minutes ***
 - B. **Presentation of Financial Statements**
 - C. **Presentation of Invoices for Payment Approval**
 - i. **Kennedy & Graven – Legal Services thru October 25, 2010**
 - ii. **Barr Engineering – Engineering Services thru October 29, 2010**
 - iii. **Watershed Consulting, LLC– Geoff Nash Administrator Services thru October 31, 2010**
 - iv. **Amy Herbert – October Administrative Services**
 - v. **D'amico Catering – October BCWMC Meeting Catering**
 - vi. **D'amico Catering – November BCWMC Meeting Catering**
 - D. **Authorization for Publication of Request for Letters of Interest for Contracted Professional Services including Legal, Engineering and Technical, and Watershed Administrator Services. Direction for Commission Procedure for Review of Responses.**
5. **NEW BUSINESS**
 - A. **Permit Review–Menards Project: Golden Valley** (*see November 10, 2010, memo from Barr Engineering*)
 - B. **Discuss Obstructions in Bassett Creek as a Result of Soo Line Railroad Bridge Modifications** (*see November 9, 2010, memo and photos from Barr Engineering*)
6. **OLD BUSINESS**
 - A. **TAC Updates:** (*see TAC memo*)
 - i. **New Hope Channel Maintenance Fund Request**
 - ii. **Hydrologic and Water Quality Modeling**
 - iii. **Next Generation Plan Update**
 - B. **TMDL Updates:**
 - i. **Sweeney Lake TMDL** (*verbal update*)
 - ii. **Wirth Lake TMDL** (*verbal update*)
 - iii. **Medicine Lake TMDL** (*see Mn/DOT and DNR comments/ MPCA responses on TMDL*)
 - C. **Web Site Domain Name** (*see November 8, 2010, memo from Administrator Nash*)
 - D. **Next Generation Plan Work Session** (*see November 10, 2010, memo from Barr Engineering*)
7. **COMMUNICATIONS**
 - A. **Chair**
 - B. **Administrator** (*see Administrator's report*)
 - C. **Commissioners**
 - D. **Committees**
 - E. **Counsel**
 - F. **Engineer**
8. **INFORMATION ONLY**
 - A. **Letters to U.S. Army Corps of Engineers regarding permits for the North Branch and Main Stem Restoration Projects**
9. **ADJOURNMENT**

Bassett Creek Watershed Management Commission

Minutes of the Meeting of October 21, 2010

1. Call to Order

The Bassett Creek Watershed Management Commission (BCWMC) was called to order at 11:35 a.m., Thursday, October 21, 2010, at Golden Valley City Hall by Chair Loomis. Ms. Herbert conducted roll call.

Roll Call

<i>Crystal</i>	Commissioner Pauline Langsdorf, Secretary	<i>Administrator</i>	Geoff Nash
<i>Golden Valley</i>	Commissioner Linda Loomis, Chair	<i>Counsel</i>	Charlie LeFevere
<i>Medicine Lake</i>	Commissioner Ted Hoshal	<i>Engineer</i>	Karen Chandler
<i>Minneapolis</i>	Alternate Commissioner Lisa Goddard	<i>Recorder</i>	Amy Herbert
<i>Minnetonka</i>	Commissioner Bonnie Harper-Lore		
<i>New Hope</i>	Alternate Commissioner Al Sarvi		
<i>Plymouth</i>	Commissioner Ginny Black, Vice Chair		
<i>Robbinsdale</i>	Commissioner Wayne Sicora		
<i>St. Louis Park</i>	Commissioner Jim deLambert		

Also present:

Laura Adler, BCWMC Technical Advisory Committee, City of St. Louis Park
 Derek Asche, BCWMC Technical Advisory Committee, City of Plymouth
 Pat Byrne, BCWMC Technical Advisory Committee, City of Minneapolis
 Lee Gustafson, BCWMC Technical Advisory Committee, City of Minnetonka
 Dave Hanson, Alternate Commissioner, City of Golden Valley
 Richard McCoy, BCWMC Technical Advisory Committee, City of Robbinsdale
 Jeff Oliver, BCWMC Technical Advisory Committee, City of Golden Valley
 Justin Riss, Alternate Commissioner, City of St. Louis Park
 Stu Stockhaus, Alternate Commissioner, City of Crystal
 Liz Stout, BCWMC Technical Advisory Committee, City of Minnetonka

2. Approval of Agenda and Consent Agenda

Chair Loomis requested the removal of the financial report from the Consent Agenda. Commissioner Black moved to approve the Consent Agenda as amended, which included only the approval of the September meeting minutes. Alternate Commissioner Goddard seconded the motion. The motion carried unanimously with nine votes in favor. Chair Loomis requested the addition of Agenda item 5B – Cooperative Agreements for the North Branch Bassett Creek Restoration and the Bassett Creek Main Stem Restoration. Commissioner Black moved to approve the Agenda as amended. Commissioner Langsdorf seconded the motion. The motion carried unanimously with nine votes in favor.

3. Citizen Input on Non-Agenda Items

No citizen input on non-agenda items.

4. Administration

- A. Presentation of the September 23, 2010, BCWMC meeting minutes. Approved under the Consent Agenda.

- B. **Presentation of the Financial Statement.** Administrator Nash introduced a handout that was a draft revision to the Commission's monthly financial spreadsheet titled, "Bassett Creek Construction Project Details." He described the need for the Commission to be able to easily account for the various streams of revenues coming in such as grant funds and levy monies. Administrator Nash described a new table on the draft spreadsheet that shows anticipated revenue sources per CIP project. The Commission discussed the table and Chair Loomis recommended that the Commission take home and study the spreadsheet and changes to the financial report would be discussed at the November BCWMC meeting.

Administrator Nash added that the TAC had previously made comments on possible changes to the BCWMC's financial documents in order to make them easier to understand and more useful to the member cities. Mr. Gustafson said that he would like the Commission to look at how it presents its financial information in its documents and would like either the TAC or another Commission Committee to sit down and look at creative ways to make the financial documents easier to understand. He said he would like the financial documents to include descriptions of the funds. Mr. Gustafson volunteered to be on a committee to revise the Commission's financial documents and said he has already made some notes about potential revisions. Commissioner Black suggested referring the topic to the Administrative Services Committee. Chair Loomis directed the Administrative Services Committee to discuss the topic and asked Mr. Gustafson to give a copy of his notes to the Committee and to attend the Committee meeting if he was interested. Mr. Gustafson asked if he could have two hours of staff time to finish preparing his notes. Chair Loomis directed Administrator Nash to work with Mr. Gustafson. Commissioner Harper Lore moved to receive and file the October financial report. Commissioner Black seconded the motion. The motion carried unanimously with nine votes in favor.

The general and construction account balances as reported in the October 2010 Financial Report:

Checking Account Balance	506,353.20
<i>TOTAL GENERAL FUND BALANCE</i>	<i>506,353.20</i>
Construction Account Cash Balance	2,176,769.93
Investment due 10/18/2010	533,957.50
Investment due 5/13/2015	508,918.39
<i>TOTAL CONSTRUCTION ACCOUNT BALANCE</i>	<i>3,219,645.82</i>
<i>-Less: Reserved for CIP projects</i>	<i>2,426,580.43</i>
<i>Construction cash/ investments available for projects</i>	<i>793,065.39</i>

- C. **Presentation of Invoices for Payment Approval.**

Invoices:

- i. Kennedy & Graven – Legal Services through August 31, 2010 - invoice for the amount of \$2,373.40.
- ii. Barr Engineering Company – Engineering Services through October 1, 2010 - invoice for the amount of \$36,084.17.
- iii. Watershed Consulting, LLC – Administrator Services through September 30, 2010 – invoice for the amount of \$3,000.00.
- iv. Amy Herbert – September Administrative Services - invoice for the amount of \$2,560.31.

- v. Finance and Commerce – Public Hearing Notice Publication – invoice for the amount of \$144.82.
- vi. Lakeshore Weekly News – Public Hearing Notice Publication – invoice for the amount of \$134.20.
- vii. Sun Newspapers - Public Hearing Notice Publication – invoice for the amount of \$343.20.

Commissioner Black moved to approve payment of the invoices. Commissioner Langsdorf seconded the motion. Commissioner Hoshal had questions on the Barr Engineering invoice regarding erosion control inspection costs for projects that have incurred permit fees and are listed on the invoice by project versus erosion control inspections of construction sites not listed by project. Ms. Chandler said she would get the details on the distinction and would get the information to the Commission. By call of roll, the motion carried unanimously with nine votes in favor.

5. New Business

- A. City of Plymouth Reimbursement Request for Parkers Lake Improvements. Ms. Chandler explained that the Commission received a reimbursement request from the City of Plymouth in the amount of \$52,486.60 for the Parkers Lake Improvements CIP project. She pointed out that an addendum to the original project agreement between the Commission and the City of Plymouth amended the project budget to \$56,000. Ms. Chandler said that the project is completed as of October 5, 2010, and this is the one and only reimbursement request for the project by the City. She said that the Commission Engineer reviewed the supporting documents of the request and recommends reimbursement of the requested amount of \$52,486.60. Commissioner Black moved to approve the reimbursement. Commissioner Hoshal seconded the motion. By call of roll the motion carried with nine votes in favor.
- B. Cooperative Agreements for the North Branch Bassett Creek Restoration and the Bassett Creek Main Stem Restoration. Mr. LeFevere noted that the contracts are in the same form as previous agreements undertaken by the Commission for projects. He said if the Commission is ready to go ahead with the agreements then he recommends that the Commission authorize the Chair to execute the agreement for the North Branch project and the Vice Chair for the Main Stem project. Commissioner Hoshal asked if the Commission had ever had a call for or should consider the benefit of a non-performance clause in the contracts. The Commission discussed the idea and determined that due to the Commission's process and the method that it uses to pay for projects, which is on a reimbursement basis, a non-performance clause isn't necessary. Commissioner Black moved to enter into the agreements with the City of Crystal and with the City of Golden Valley and to authorize her on behalf of the Commission to execute the agreement with the City of Golden Valley. Commissioner deLambert seconded the motion. The motion carried unanimously with nine votes in favor.

6. Old Business

- A. TMDL Updates.
 - i. Sweeney Lake TMDL. Administrator Nash gave a brief summary of the recent history of the Sweeney Lake TMDL process in terms of the external phosphorus wasteload allocation that was put into the TMDL. He described two recent meetings – one with the TMDL technical stakeholder group, staff, and MPCA representatives, and another with staff, technical stakeholder representatives from Hennepin County and Mn/DOT, and

MPCA representatives. Administrator Nash said the outcome of the meetings resulted in an agreement to decrease the external phosphorous wasteload allocation in the Sweeney Lake TMDL from 150 pounds to 99 pounds. Administrator Nash asked the Commission to approve the 99 pounds external phosphorus wasteload allocation, to direct SEH to incorporate the number into the TMDL, to revise the TMDL as necessary, and to send the TMDL to the MPCA for its review and its forwarding to the United States Environmental Protection Agency (U.S. EPA). Administrator Nash noted that Ron Leaf of SEH is going to include in the revised TMDL a timeline for accomplishing the reductions described in the TMDL as discussed at the meeting. At the meeting, and as Mike Trojan of the MPCA described a timeline of 30 years to meet the goals. Commissioner Black moved to approve revising the Sweeney Lake TMDL to list the external phosphorous load reduction of 99 pounds and to submit the TMDL to the MPCA. Commissioner Harper-Lore seconded the motion. The motion carried unanimously with nine votes in favor.

- B. **Education Committee.** Commissioner Langsdorf reported that Commissioner Hoshal has been doing a lot of work on the Committee's history of Bassett Creek project. She stated that the West Metro Watershed Alliance (WMWA) met on October 12th and spent most of the meeting discussing the snow and ice brochure. She explained different ways that the Commission could have the brochures printed, explained that the Education Committee had approximately \$1,000 in its budget that could be used for brochure printing, described different ways that the cities could obtain the brochures for their use, and asked how the Commission would like to move forward with the brochures.

Commissioner Black moved for staff to post to the Commission's Web site the electronic copy of the "Residential Snow and Ice Care." Alternate Commissioner Goddard seconded the motion. The motion carried unanimously. The Commission decided that WMWA would contact via e-mail the City Manager for each member city, except for the City of Minneapolis since it should be contacted through its public works director, with the question on how many of which brochures each city wants and which cities want to do their own printing and which cities want WMWA to coordinate the printing. Commissioner Langsdorf announced that the next Education and Public Outreach Committee meeting will be on October 28th at 9:00 a.m. at Plymouth City Hall and the next WMWA meeting will be on November 9th at 11:30 a.m. at Plymouth City Hall.

7. Communications

- A. **Chair:** No Communications

- B. **Administrator:** Administrator Nash reviewed his Administrator's Report with the Commission.

- i. Administrator Nash noted that he has revised the draft BCWMC Policy Manual and has given it to Commissioner Welch for his review. Administrator Nash said he and Commissioner Welch will meet to discuss the manual after which he will bring the manual back in front of the Administrative Services Committee.
- ii. Administrator Nash reported that he sent out to the TAC the second questionnaire regarding policy issues for the Next Generation Plan and he is asking for responses by next week.
- iii. Administrator Nash said the Commission received a copy of a letter to the Department of Natural Resources from Braun Intertec regarding the DNR permitting of the Sweeney Lake Association's aerator. Administrator Nash said that the DNR granted the permit to the Sweeney Lake Association on October 1, 2010, and since it seems like the permitting process has occurred and is completed, then the Commission doesn't need to comment on the matter.

- iv. **Administrator Nash brought up a letter addressed to the Golden Valley BCWMC Commissioner from Caroline's Kids Foundation with questions about a possible conflict of interest with respect to the role of the Commission and the Sweeney Lake Association's aerator program and permit since the BCWMC's Golden Valley Alternate Commissioner is also a member of the Sweeney Lake Association. Chair Loomis directed Counsel to work with Administrator Nash to draft a response letter to Caroline's Kids Foundation specifying that the Commission has no authority in the regulation of the aerators and that Counsel and the Commission have determined that there is no conflict of interest.**
- v. **Administrator Nash brought up the idea of scheduling the Committee of the Whole regarding the Next Generation Plan. Chair Loomis directed Administrator Nash to add the topic to the November agenda unless so many other agenda items come up that there is not enough time for the discussion. She directed Administrator Nash, in the case that the item will not fit onto the November agenda, to schedule a meeting of the Committee of the Whole.**
- vi. **Chair Loomis announced that Administrator Nash has let her know that over his last two invoice cycles he has not charged the Commission for his work over the Commission's \$3,000 monthly budget for his work and expenses but that with all of the tasks the Commission has assigned him he will likely go over that budget next month. Chair Loomis authorized Administrator Nash for the overage.**

C. Commissioners:

- i. **Commissioner Hoshal updated the Commission that the City of Medicine Lake is progressing on its erosion and sediment control ordinance. He said the City of Medicine Lake is waiting to hear back from the Metropolitan Council on the stormwater portion of the City's Comprehensive Plan before the City moves forward with adopting the ordinance but the City is on track to meet the 180-day requirement.**
- ii. **Commissioner Hoshal announced that the Freshwater Society is hosting a sustainable water resources round table today and tomorrow and he has details if anyone is interested in learning more.**
- iii. **Commissioner Langsdorf said that there is a metro area lake and river groups summit on November 3rd at Hopkins Community Center.**
- iv. **Commissioner Langsdorf commented that in this month's meeting packet there is a flyer on the Watershed Education Roundtable Discussion being held at Hamline University on November 3rd.**
- v. **Commissioner Hoshal requested another copy of the watershed map by Barr Engineering and also a copy for Commissioner Harper-Lore. Chair Loomis directed the Commission Engineer to provide the copies and to charge the costs to the Education budget. Administrator Nash commented that other watershed districts have useful fold-out maps. Chair Loomis directed the Education Committee to investigate having such a map created for the BCWMC.**
- vi. **Commissioner Harper-Lore reported that she attended the MN Water Resources Conference and met people from the MPCA and that she would write up a summary of what she learned and would send it around to the Commission.**

D. Committees: No communications

E. Counsel: No communications

F. Engineer:

- i. Ms. Chandler reported that the Mississippi Watershed Management Organization made changes to its Plan reflective of the Commission's comments and the Organization is holding a public hearing on the Plan on November 9th.
- ii. Ms. Chandler reported that the Commission Engineer received a request from Brad Wozney of the Minnesota Board of Water and Soil Resources (BWSR) for more information in support of the Commission's grant applications and specifically on how the load reduction numbers were computed regarding total suspended solids and total phosphorus numbers. She said the Commission Engineer provided the information back and heard positive comments from Brad Wozney about the numbers.
- iii. Ms. Chandler reported that the Commission Engineer has reviewed the plans for the City of Golden Valley's 2010 Bassett Creek CIP project and has sent comments back to the City.

9. Adjournment

Chair Loomis adjourned the meeting at 1:10 p.m.

Linda Loomis, Chair Date

Amy Herbert, Recorder Date

Pauline Langsdorf, Secretary Date

BEGINNING BALANCE	13-Oct-10	506,353.20
ADD:		
General Fund Revenue:		
Interest	24.19	
Permits:		
Menards	2,000.00	
Reimbursed Construction Costs	9,339.10	
		<u>11,363.29</u>
	Total Revenue and Transfers In	11,363.29
DEDUCT:		
Checks:		
2288 Barr Engineering	Oct Engineering Services	23,056.13
2289 Amy Herbert	Oct Secretarial Services	2,701.63
2290 D'Amico	Oct/Nov Meetings	860.02
2291 Kennedy & Graven	Sept Legal Services	1,838.60
2292 Watershed Consulting	Oct Administrator	3,458.73
2293 A-Z Rental Center	Van Rental-Creek Tour	137.31
2294 Pat Schutrop	Creek Tour Refreshments	11.98
	Total Checks	<u>32,064.40</u>
Outstanding from previous month:		
2283 Watershed Consulting, LLC	September Administrator	3,000.00
	Total Expenses	<u>32,064.40</u>
ENDING BALANCE	10-Nov-10	<u><u>485,652.09</u></u>

	2010/2011 BUDGET	CURRENT MONTH	YTD 2010/2011	BALANCE
<u>OTHER GENERAL FUND REVENUE</u>				
ASSESSMENTS	414,150	0.00	414,150.00	0.00
PERMIT REVENUE	55,000	2,000.00	22,000.00	33,000.00
REVENUE TOTAL	<u>469,150</u>	<u>2,000.00</u>	<u>436,150.00</u>	<u>33,000.00</u>
<u>EXPENDITURES</u>				
ENGINEERING				
ADMINISTRATION	110,000	8,431.50	89,765.63	20,234.37
PLAT REVIEW	60,000	2,925.50	40,419.50	19,580.50
COMMISSION MEETINGS	13,000	402.50	9,324.50	3,675.50
SURVEYS & STUDIES	20,000	0.00	20,329.00	(329.00)
WATER QUALITY/MONITORING	20,000	212.50	8,874.75	11,125.25
WATER QUANTITY	11,000	775.00	6,958.00	4,042.00
WATERSHED INSPECTIONS	8,000	884.00	6,996.00	1,004.00
ANNUAL FLOOD CONTROL INSPECTIONS	10,000	0.00	5,713.50	4,286.50
REVIEW MUNICIPAL PLANS	4,000	140.00	7,927.00	(3,927.00)
ENGINEERING TOTAL	<u>256,000</u>	<u>13,771.00</u>	<u>196,307.88</u>	<u>59,692.12</u>
ADMINISTRATOR	15,000	3,458.73	20,095.90	(5,095.90)
LEGAL COSTS	18,500	1,093.70	13,707.96	4,792.04
AUDIT, INSURANCE & BONDING	15,000	0.00	13,407.00	1,593.00
FINANCIAL MANAGEMENT	3,000	0.00	53.55	2,946.45
MEETING EXPENSES	5,000	860.02	3,706.35	1,293.65
SECRETARIAL SERVICES	45,000	2,985.81	30,262.74	14,737.26
PUBLICATIONS/ANNUAL REPORT	4,000	0.00	5,168.50	(1,168.50)
WEBSITE	4,500	42.75	318.25	4,181.75
PUBLIC COMMUNICATIONS	3,000	0.00	622.22	2,377.78
WOMP	10,000	210.00	4,256.50	5,743.50
DEMONSTRATION/EDUCATION GRANTS	5,000	0.00	180.00	4,820.00
EDUCATION AND PUBLIC OUTREACH	4,000	303.29	-301.77	4,301.77
WATERSHED EDUCATION PARTNERSHIPS	15,000	0.00	9,000.00	6,000.00
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 (moved to CF)	10,000	0.00	0.00	10,000.00
GRAND TOTAL	<u>463,000</u>	<u>22,725.30</u>	<u>296,785.08</u>	<u>166,214.92</u>

BCWMC Construction Account
Fiscal Year: February 1, 2010 through January 31, 2011
November 2010 Financial Report

Beginning Balance	14-Sep-10	\$2,176,769.93
ADD:		
Investment		500,000.00
Interest		103.99
Investment Interest		12,500.00
Market Value Homestead Credit		13,003.33
		<u>525,607.32</u>
DEDUCT:		
Construction Costs		9,339.10
		<u>9,339.10</u>
Ending Balance:	10-Nov-10	<u><u>\$2,693,038.15</u></u>

Investments		
Federal Home Loan Mtg Corp - Purchased 8/12/10 - Due 5/13/2015 - 0.45% (Current mkt value \$504,065.00)		508,918.39
Total Investments		<u>508,918.39</u>
Construction Account - Cash Balance (detailed above)		<u>2,693,038.15</u>
Total: Construction Fund Cash/Investments		3,201,956.54
Less: Reserved for CIP Projects		<u>3,846,341.33</u>
Construction Cash/Investments Available for projects		<u>(\$644,384.79)</u>

BCWMC Second Generation Projects	Budget	Current	YTD	Project Total	Balance
Approved CIP Projects:					
2006 Parkers Lake Water Quality Project	56,000	0.00	52,486.60	55,920.84	79.16
Twin Lake-expected completion 2006	140,000	0.00	0.00	5,724.35	134,275.65
Westwood Lake - will closed in 2010	312,000	0.00	0.00	225,864.90	86,135.10
Proposed CIP Projects:					
Lakeview Park Pond-expected completion 2007		0.00	0.00	637.50	(637.50)
West Medicine Lake Park Pond	1,100,000	0.00	701,076.15	723,780.21	376,219.79
Budget increase Resolution 08-07 (200,000)					
Northwood Lake East Pond	107,250	0.00	0.00	71,831.27	35,418.73
Twins Stadium	0	0.00	38.20	17,363.42	(17,363.42)
Ramada Pond (Crane Lake)	90,000	0.00	0.00	39.00	89,961.00
Plymouth Creek Restoration	550,000	70.00	5,663.50	34,001.70	515,998.30
Bassett Creek Feasibility Study	0	0.00	544.35	12,113.40	(12,113.40)
Plymouth Creek Feasibility	0	0.00	0.00	1,936.00	(1,936.00)
Crystal-Regent Avenue (2010 CR)	0	3,788.50	8,941.00	8,941.00	(8,941.00)
Wisc Ave/Duluth Street-Crystal (2011 CR)	580,200	1,265.15	34,298.67	34,298.67	545,901.33
North Branch (2011 CR-NB)	834,900	1,367.45	31,069.76	31,069.76	803,830.24
Plymouth Pond-07(NL-2)	0	0.00	602.00	602.00	(602.00)
Wirth Lake (WTH-1,2,3)	0	0.00	672.00	672.00	(672.00)
Resource Management Plan	0	0.00	1,533.00	57,094.21	(57,094.21)

TMDL Projects					
TMDL Studies	125,000	0.00	14,845.25	102,428.15	22,571.85
Sweeney Lake TMDL	119,000	2,848.00	20,666.50	201,678.86	(82,678.86)

Annual Flood Control Projects:					
Flood Control Emergency Maintenance	500,000	0.00	0.00	0.00	500,000.00
Flood Control Long-Term Maintenance	773,373	0.00	0.00	13,566.33	759,806.67

Annual Water Quality					
Channel Maintenance Fund	200,000	0.00	0.00	41,818.10	158,181.90
	<u>5,487,723</u>	<u>9,339.10</u>	<u>872,436.98</u>	<u>1,641,381.67</u>	<u>3,846,341.33</u>

Project Reimbursements			
Twins Stadium	0.00	6,564.20	26,959.64
Sweeney Lake TMDL	0.00	0.00	154,123.94

Tax Levy Revenues								
	County Levy	Abatements / Adjustments	Adjusted Levy	Current Received	Year to Date Received	Inception to Date Received	Balance	BCWMO Levy
2010 Tax Levy	935,000.00		935,000.00	13,003.33	461,232.79	461,232.79	473,767.21	935,000
2009 Tax Levy	800,000.00	(1,254.26)	798,745.74		2,533.07	791,253.35	7,492.39	800,000
2008 Tax Levy	908,128.08	(850.59)	907,277.49		752.41	902,236.02	5,041.47	907,250
2007 Tax Levy	190,601.74	(200.27)	190,401.47		76.46	189,870.93	530.54	190,000
2006 Tax Levy	531,095.47	(1,134.64)	529,960.83		83.26	528,729.95	1,230.88	519,000
2005 Tax Levy	450,401.40	(1,429.91)	448,971.49		(3.41)	448,701.37	270.12	438,000
							<u>488,332.61</u>	

Basset Creek Construction Project Details

	Parkers Lake Water Quality (Circle Pond)	Twin Lake	Westwood Lake	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Channel Maintenance	West Medicine Lake Park Pond	Lakeview Park Pond	Northwood Lake East Pond	Crane Lake - Ramada Inn Pond	Plymouth Creek Channel Restoration	Plymouth Creek Feasibility	Bassett Creek Feasibility	Twins Stadium	Crystal - Regent Ave	Wisc Ave (Duluth Str)- Crystal (GV)	North Branch - Crystal	Plymouth Pond NB-07 (NL-2)	Wirth Lake (WTH-1,2,3)	Resource Mgmt Plan	TMDL Studies	Sweeney Lake TMDL
Original Budget	56,000.00	140,000.00	312,000.00	500,000.00	773,373.00	200,000.00	1,100,000.00		107,250.00	90,000.00	550,000.00					580,200.00	834,900.00				125,000.00	119,000.00
Expenditures:																						
Feb 2004 - Jan 2005		1,983.50						637.50														
Feb 2005 - Jan 2006	983.75	1,716.70	11,724.12		3,954.44	2,994.75																
Feb 2006 - Jan 2007	150.00	375.70	162,645.36		9,611.89		1,789.25							156.75					637.20			
Feb 2007 - Jan 2008		36.00					1,835.70		858.45					13,312.47					23,486.95			89,654.49
Feb 2008 - Jan 2009						38,823.35	18,392.11		60,218.68	39.00	20,954.25								31,590.12	6,809.50		47,041.86
Feb 2009 - Jan 2010	2,300.49	1,612.45	51,495.42				687.00		10,754.14		7,383.95	1,936.00	11,569.05	3,856.00					48,751.71	31,868.63		44,316.01
Feb 2010 - Jan 2011	52,486.60						701,076.15				5,663.50		544.35	38.20	8,941.00	34,298.67	31,069.76	602.00	672.00	1,533.00	14,845.25	20,666.50
Total Expenditures:	55,920.84	5,724.35	225,864.90		13,566.33	41,818.10	723,780.21	637.50	71,831.27	39.00	34,001.70	1,936.00	12,113.40	17,363.42	8,941.00	34,298.67	31,069.76	602.00	672.00	57,094.21	102,428.15	201,678.86
Project Balance	79.16	134,275.65	86,135.10	500,000.00	759,806.67	158,181.90	376,219.79	(637.50)	35,418.73	89,961.00	515,998.30	(1,936.00)	(12,113.40)	(17,363.42)	(8,941.00)	545,901.33	803,830.24	(602.00)	(672.00)	(57,094.21)	22,571.85	(82,678.86)

	Parkers Lake Water Quality (Circle Pond)	Twin Lake	Westwood Lake	Flood Control Emergency Maintenance	Flood Control Long-Term Maintenance	Channel Maintenance	West Medicine Lake Park Pond	Lakeview Park Pond	Northwood Lake East Pond	Crane Lake - Ramada Inn Pond	Plymouth Creek Channel Restoration	Plymouth Creek Feasibility	Bassett Creek Feasibility	Twins Stadium	Crystal - Regent Ave	Wisc Ave (Duluth Str)- Crystal (GV)	North Branch - Crystal	Plymouth Pond NB-07 (NL-2)	Wirth Lake (WTH-1,2,3)	Resource Mgmt Plan	TMDL Studies	Sweeney Lake TMDL
Project Totals By Vendor																						
Barr Engineering	2,819.94	3,758.10	11,320.87		9,549.32		6,794.91	592.50		39.00	33,352.30	1,936.00	10,604.50	12,064.49	8,941.00	33,926.22	30,697.31	602.00	672.00	57,094.21	99,551.70	85,626.67
Kennedy & Graven	614.30	1,966.25	503.25		24.75	354.75	1,427.15	45.00	858.45		649.40		1,508.90	5,298.93							1,164.30	2,902.59
City of Golden Valley						2,640.00																
City of New Hope									70,972.82													
City of Plymouth	52,486.60					38,823.35	715,558.15															
City of St. Louis Park			214,040.78																			
Com of Trans					3,992.26																	
S E H																						100,375.60
Misc																					1,712.15	12,774.00
Total Expenditures	55,920.84	5,724.35	225,864.90		13,566.33	41,818.10	723,780.21	637.50	71,831.27	39.00	34,001.70	1,936.00	12,113.40	17,363.42	8,941.00	33,926.22	30,697.31	602.00	672.00	57,094.21	102,428.15	201,678.86

Amy Herbert · Virtual Administrator Services
bcra@barr.com · 952-832-2652

November 4, 2010

Bassett Creek Watershed Management Commission (BCWMC)
Attn: Sue Virnig, Deputy Treasurer
7800 Golden Valley Road
Golden Valley, MN 55427

For contracted services October 1, 2010 through October 31, 2010

Administrative Services to BCWMC

- Assisted in the creation of the October 21st BCWMC meeting; organized packet materials for copying, copied, and assembled meeting packets, delivered meeting packets to Barr Engineering mail room for Barr to weigh, add postage, and mail; e-mailed meeting materials to Commission; e-mailed agenda to agenda list and e-mailed approved meeting minutes to distribution list.
- Maintained BCWMC files; Communicated with BCWMC attorney, engineers, Administrator, Deputy Treasurer, Chair, commissioners, and committee members.
- Organized BCWMC monthly invoices; Distributed invoice payments;
- Forwarded executed Cooperative Agreements to Cities of Golden Valley and Crystal for Main Stem and North Bank Restoration Projects, respectively. E-mailed channel maintenance application deadline reminder to cities of Crystal, Golden Valley, Minneapolis, New Hope, and Plymouth; Coordinated BCWMC review of City of Plymouth's reimbursement request for Parkers Lake water quality project; Forwarded to Commission Engineer a request for information for watershed information in Twins Stadium area; Sent to WMWA the contact information to the BCWMC member cities public works staff or City Manager for WMWA coordination of winter snow and ice removal brochure and stuffer printing; Forwarded draft Education and Outreach Plan to Education Committee; Assisted Golden Valley City staff in coordinating the Bassett Creek Walk; Forwarded to Brad Wozney (BWSR) and to the other necessary parties/agencies the official record of the BCWMC's Major Plan Amendment public hearings and the replacement pages for the *Watershed Management Plan*.
- Created meeting notice and cancellation notice for the October 28th Education and Public Outreach Committee meeting; Created the meeting notice for the November 4th TAC meeting and the November 9th WMWA meeting;

41.0 hours @ \$57.00 per hour \$2,337.00

BCWMC Meetings

Coordinated and attended October 18th conference call with Chair Loomis, Karen Chandler, and Geoff Nash; Set up and attended October 21st BCWMC meeting and public hearing (coordinated room reservations and set up; ordered and received catering; coordinated agenda, prepared and provided handouts not provided in meeting packet; recorded meeting)

5.50 hours @ \$57.00 per hour \$313.50

Web Site Services to BCWMC

Updated meeting minute archive, TMDL section, and roster.

0.75 hours @ \$57.00 per hour \$42.75

Expenses

No October expenses \$0.00

Mileage

Mileage from Chanhassen to Golden Valley City Hall for October 21st BCWMC meeting (16.76 miles x 0.50 = \$8.38)

\$8.38

Subtotal Administrative Services \$2,658.88

Subtotal Web Site Services \$42.75

Total Current Billing: \$2,701.63

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



Signature of Claimant

Bassett Creek WMO
7800 Golden Valley Road
Golden Valley, MN 55427

Page # 1
Invoice # 23270051-2010-9
Project # 23/27-0051
Client # 59
November 5, 2010

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
October 2, 2010 through October 29, 2010

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, watershed communities, developers in the watershed, Minneapolis Park and Recreation Board (MPRB), Three Rivers Park District (TRPD), Mississippi Watershed Management Organization, Minnesota Department of Transportation (Mn/DOT), Hennepin County, Minnesota Board of Water and Soil Resources (BWSR), Metropolitan Council Environmental Services (MCES), Minnesota Pollution Control Agency (MPCA), Corps of Engineers and interested citizens; coordination with Administrator regarding post-meeting tasks; communications with Administrator regarding closed project account and Conservation Corps grant information; telephone conversation with BWSR staff regarding funding and selection of CIP projects; attended meeting with Administrator regarding proposed revisions to CIP tracking spreadsheet; email to Commissioner Hoshal regarding invoice question; communication from Administrator regarding Sweeney Lake aeration.

Leonard J. Kremer, Principal Engineer/Scientist	
4.5 hours @ \$160.00 per hour	\$ 720.00
Karen L. Chandler, Senior Consultant	
7.4 hours @ \$140.00 per hour	\$ 1,036.00
Technicians/Administrative	\$ 217.00
Expenses (Copies)	\$ 7.50
Subtotal, Technical Services	\$ 1,980.50

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments; provided watershed hydraulic information, flood profiles and BCWMC development requirements to applicants; coordination with Quality Site Design regarding BCWMC requirements for Santorini site in St. Louis Park (NW 169 & 394); communications with and provide information to Northern Technologies staff regarding Wesley Commons development in Golden Valley

James P. Herbert, Principal Engineer/Scientist	
1.6 hours @ \$140.00 per hour	\$ 224.00
Karen L. Chandler, Senior Consultant	
2.2 hours @ \$140.00 per hour	\$ 308.00
Subtotal, Preliminary Site Review/Correspondence	\$ 532.00

MONTHLY MEETING PREPARATION

Preparation of monthly memorandum for BCWMC meeting; reviewed draft BCWMC meeting minutes, agenda and packet materials and discussed comments with Bassett Creek Administrator and Recording Administrator; conference call with BCWMC Chair, Administrator, and Recording Secretary regarding meeting agenda; communications with Bassett Creek Administrator and Recording Administrator; internal meetings regarding agenda, to-do list and meeting packet and October 21, 2010 meeting; prepared permit figures; reviewed City of Plymouth reimbursement request for CIP project PL-6 Parkers Lake - Circle Park Pond; internal meetings regarding Commission meeting and budgets.

Leonard J. Kremer, Principal Engineer/Scientist		
1.0 hours @ \$160.00 per hour	\$	160.00
James P. Herbert, Principal Engineer/Scientist		
9.2 hours @ \$140.00 per hour	\$	1,288.00
Karen L. Chandler, Senior Consultant		
15.8 hours @ \$140.00 per hour	\$	<u>2,212.00</u>
Subtotal, Monthly Meeting Preparation.	\$	3,660.00

TAC MEETING PREPARATION

Preparation for November TAC meeting; reviewing background materials/meeting summaries; coordination with Administrator and internal staff regarding TAC meeting agenda and background materials; coordinate with Administrator regarding TAC recommendations; prepared memorandum regarding P8 modeling status; prepared memorandum regarding status of hydrologic and hydraulic models.

Leonard J. Kremer, Principal Engineer/Scientist		
3.0 hours @ \$160.00 per hour	\$	480.00
Karen L. Chandler, Senior Consultant		
1.6 hours @ \$140.00 per hour	\$	224.00
Sarah M. Stratton, Senior Consultant		
5.0 hours @ \$115.00 per hour	\$	575.00
Gregory J. Wilson, Senior Consultant		
7.0 hours @ \$140.00 per hour	\$	<u>980.00</u>
Subtotal, TAC Meeting Preparation	\$	2,259.00

Subtotal Technical Services \$ **8,431.50**

PLAT REVIEW Note: Projects in **Bold** have provided review fees to offset review costs. Projects not in Bold are either in a preliminary stage or were submitted prior to implementation of the fee schedule.

Crown Packaging

Erosion control inspection.

Technicians/Administrative	\$	40.00
Subtotal, Crown Packaging.	\$	40.00

Hennepin Co. Regional Trail – Phase 2

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Hen Co Regional Trail – Ph 2 \$ 64.00

W Medicine Lake Pk Site Improvements

Erosion control inspection.

Technicians/Administrative \$ 72.00

Subtotal, W Medicine Lk Pk Site Imp \$ 72.00

2009 Mtka St Rehab-Sherwood Forest Neighborhood

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, 2009 Mtka St Rehab-Sherwood Forest Neighborhood \$ 96.00

26th Ave/Plymouth Creek Culvert Replacement

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, 26th Ave/Plymouth Creek Culvert Replacement \$ 64.00

Laurel Hills Condo

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Laurel Hills Condo \$ 64.00

GVCC Dredging and Stabilization

Telephone call with applicant; reviewed revised drawings.

James P. Herbert, Principal Engineer/Scientist
2.6 hours @ \$140.00 per hour \$ 364.00

Technicians/Administrative \$ 64.00

Subtotal, GVCC Dredging and Stabilization \$ 428.00

South Shore Drive Bridge Reconstruction & South Shore Drive Mill & Overlay

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, So Shore Dr Reconstruction/Bridge \$ 96.00

Golden Valley 2010 Pavement Mgmt Proj

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, GV 2010 Pavement Mgmt Proj \$ 96.00

Wirth Park Pedestrian Bridge

Erosion control inspection.

Technicians/Administrative \$ 72.00

Subtotal, Wirth Park Pedestrian Bridge \$ 72.00

Hilde Performance Center

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, Hilde Performance Center \$ 96.00

Plymouth 2010 Street Reconstruction

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, Plymouth 2010 St Recon \$ 96.00

So Shore Dr Emergency Utility Repair

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, So Shore Dr Emer Utility Repair. \$ 64.00

Birchwood Elementary Site Improvements

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Birchwood Elementary Site Improvements	\$	64.00

Auer Steel

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Auer Steel	\$	64.00

Struthers Parkinson Ctr Parking Improvements

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Struthers Parkinson Ctr Parking Improvements	\$	64.00

Plymouth Covenant Church Parking Improvements

Erosion control inspection.

Technicians/Administrative	\$	72.00
Subtotal, Plymouth Covenant Church Parking Improvements.	\$	72.00

Walgreens Construction

Communications with applicant and City staff; review of revised grading, drainage and erosion control plans for project in the City of Golden Valley and prepared letter of approval.

James P. Herbert, Principal Engineer/Scientist		
2.5 hours @ \$140.00 per hour	\$	350.00
Rita A. Weaver, Senior Engineer/Scientist		
0.6 hours @ \$95.00 per hour	\$	57.00
Subtotal, Walgreens Construction.	\$	407.00

Plymouth Creek Park Hockey Rink Project

Communications with applicant and City staff; review of revised grading, drainage and erosion control plans for project in the City of Plymouth and prepared letter of approval.

James P. Herbert, Principal Engineer/Scientist		
1.6 hours @ \$140.00 per hour	\$	224.00

Rita A. Weaver, Senior Engineer/Scientist
2.3 hours @ \$95.00 per hour \$ 218.50

Subtotal, Plymouth Crk Pk Hockey Rink \$ 442.50

Menards Golden Valley

Communications with applicant and City staff; reviewed preliminary site plan and storm water plan; prepared email to city and applicant regarding proposed P8 modeling and water quality analysis; preliminary review of drawings.

James P. Herbert, Principal Engineer/Scientist
2.0 hours @ \$140.00 per hour \$ 280.00
Gregory J. Wilson, Senior Consultant
0.5 hours @ \$140.00 per hour \$ 70.00
Rita A. Weaver, Senior Engineer/Scientist
1.2 hours @ \$95.00 per hour \$ 114.50

Subtotal, Menards Golden Valley \$ 464.00

Subtotal Plat Review \$ 2,925.50

COMMISSION MEETINGS

Attended October 21, 2010 Commission meeting.

Karen L. Chandler, Senior Consultant
2.8 hours @ \$140.00 per hour \$ 392.00
Expenses (Mileage) \$ 10.50

Subtotal, Commission Meetings \$ 402.50

WATER QUALITY MONITORING

Communications with Three Rivers Park District (TRPD) staff regarding Medicine Lake monitoring; reviewed Medicine Lake phytoplankton and zooplankton samples.

Margaret R. Rattei, Senior Consultant
1.7 hours @ \$115.00 per hour \$ 195.50
Expenses (Mileage) \$ 17.00

Subtotal, Water Quality Monitoring \$ 212.50

WATER QUANTITY

Measured and reviewed lake level elevations as part of the lake-gauging program.

Technicians/Administrative	\$ 680.00
Expenses (Mileage/field vehicle)	\$ <u>95.00</u>
Subtotal, Water Quantity	\$ 775.00

WATERSHED INSPECTION

Preparation for erosion control inspections of construction sites and travel between sites; prepared letter regarding inspections and improvements required for effective erosion control; communication with Plymouth staff regarding inspections.

James P. Herbert, Principal Engineer/Scientist 2.5 hours @ \$140.00 per hour	\$ 350.00
Technicians/Administrative	\$ 384.00
Expenses (Equipment/mileage)	\$ <u>150.00</u>
Subtotal, Watershed Inspection	\$ 884.00

REVIEW MUNICIPAL PLANS (Mississippi WMO Plan)

Mississippi WMO Plan - call from WMO consultant regarding BCWMC comments; provide GIS file of new tunnel to WMO consultant.

Karen L. Chandler, Senior Consultant 0.6 hours @ \$140.00 per hour	\$ 84.00
Timothy G. Anderson, Senior Consultant 0.4 hours @ \$140.00 per hour	\$ <u>56.00</u>
Subtotal, Municipal Plans	\$ 140.00

TOTAL ENGINEERING \$ 13,771.00

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Administrative expenses requested by Amy Herbert including: copies, color copies for meeting packet; postage, CD duplication, video digital capture/conversion and BCWMC meeting catering; packet assembly; report assembly.

Expenses (B&W/color copies/postage)	\$	326.93
Catering (BCWMC)	\$	<u>-0-</u>
TOTAL SECRETARIAL SERVICES EXPENSES	\$	326.93

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

Setup computer connection to WOMP station; review of rating curve.

Christopher Bonick, Senior Engineer/Scientist 2.0 hours @ \$105.00 per hour	\$	<u>210.00</u>
TOTAL WOMP	\$	210.00

EDUCATION AND PUBLIC OUTREACH

EDUCATION AND PUBLIC OUTREACH

Prepared and provided BCWMC map to Commissioner Hoshal.

Karen L. Chandler, Senior Consultant 0.3 hours @ \$140.00 per hour	\$	42.00
Timothy G. Anderson, Senior Consultant 0.8 hours @ \$140.00 per hour	\$	<u>112.00</u>
TOTAL EDUCATION AND PUBLIC OUTREACH	\$	154.00

CAPITAL IMPROVEMENT PROJECTS

PLYMOUTH CREEK RESTORATION PROJECT (2010 CR)

Internal communications regarding Plymouth Creek review

Karen L. Chandler, Senior Consultant 0.5 hours @ \$140.00 per hour	\$	<u>70.00</u>
Subtotal, Plymouth Crk Restoration Proj	\$	70.00

BASSETT CREEK: CRYSTAL-REGENT AVENUE (2010 CR)

Communication with City of Golden Valley staff and its consultant; internal meeting regarding proposed stream restoration measures; reviewed preliminary drawings and prepared letter of comments to the City.

Leonard J. Kremer, Principal Engineer/Scientist	
11.3 hours @ \$160.00 per hour	\$ 1,808.00
Karen L. Chandler, Senior Consultant	
0.5 hours @ \$140.00 per hour	\$ 70.00
Jeffrey D. Weiss, Senior Engineer/Scientist	
20.0 hours @ \$95.00 per hour	\$ 1,900.00
Expenses (Postage)	\$ 10.50
Subtotal, Bassett Creek Crystal-Regent Avenue	\$ 3,788.50

BASSETT CREEK: WISCONSIN AVENUE – CRYSTAL (2011 CR)

Reviewed and edited draft cooperative agreement and provided to city staff; communications with city staff and counsel regarding draft cooperative agreement; telephone call from BWSR staff requesting additional information for BWSR grant application; coordinate with recording secretary regarding major plan amendment and email distribution; internal discussion regarding Corps of Engineers permit and preparation of application.

Karen L. Chandler, Senior Consultant	
2.9 hours @ \$140.00 per hour	\$ 406.00
Jeffrey D. Weiss, Senior Engineer/Scientist	
5.0 hours @ \$95.00 per hour	\$ 475.00
Expenses (Pitney Bowes)	\$ 11.70
Subtotal, Bassett Creek: Wisconsin Ave– Crystal (2011 CR)	\$ 892.70

NORTH BRANCH (2011CR-NB)

Communication with Crystal staff and its consultant; internal meeting regarding proposed stream restoration measures; reviewed preliminary drawings and prepared letter of comments to the City. Reviewed and edited draft cooperative agreement and provided to city staff; communications with city staff and counsel regarding draft cooperative agreement; telephone call from BWSR staff requesting additional information for BWSR grant application; coordinate with recording secretary regarding major plan amendment and email distribution; internal discussion regarding Corps of Engineers permit and preparation of application.

Karen L. Chandler, Senior Consultant	
2.6 hours @ \$140.00 per hour	\$ 364.00
Jeffrey T. Lee, Senior Consultant	
1.2 hours @ \$130.00 per hour	\$ 156.00
Jeffrey D. Weiss, Senior Engineer/Scientist	
5.0 hours @ \$95.00 per hour	\$ 475.00
Subtotal, North Branch (2011CR-NB)	\$ 995.00

TOTAL CAPITAL IMPROVEMENT PROJECTS \$ 5,746.20

TMDL STUDIES

SWEENEY LAKE TMDL

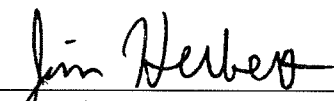
Communications with Administrator regarding Sept 30, 2010 stakeholder meeting and future meeting; provided city information regarding BMPs in watershed communication to city staff; follow up activities for Sweeney Lake TMDL.

Leonard J. Kremer, Principal Engineer/Scientist	
11.8 hours @ \$160.00 per hour	\$ 1,888.00
Karen L. Chandler, Senior Consultant	
1.5 hours @ \$140.00 per hour	\$ 210.00
Keith M. Pilgrim, Senior Consultant	
6.0 hours @ \$125.00 per hour	\$ 750.00
Subtotal, Sweeney Lake TMDL	\$ 2,848.00
TOTAL TMDL STUDIES	\$ 2,848.00

SUMMARY TOTALS

Total Engineering	\$ 13,771.00
Total Secretarial Services Expenses	\$ 326.93
Total WOMP	\$ 210.00
Total Education and Public Outreach	\$ 154.00
Total Capital Improvement Projects	\$ 5,746.20
Total TMDL Studies	\$ 2,848.00
TOTAL PAYABLE	\$ 23,056.13

Barr declares under the penalties of law
that this account, claim or demand
is just and that no part of it has been
paid.



Leonard J. Kremer

ACE Drop-Off Catering

Invoice

VB Box 132
PO Box 9202
Minneapolis, MN 55480-9202
612/238-4016 ahooffer@damico.com

INVOICE #

47630

SHIP TO

Golden Valley City Hall-2nd Fl-Council Rm
7800 Golden Valley Road
Site Contact: Judy N 763/593-3991
PO#23270512008300
952/832-2652 fax: 832-2601

BILL TO

Barr Engineering
Amy Herbert
4700 W 77th Street
Edina, MN 55435-4803

P.O. NUMBER	TERMS		DELIVERY DATE	DAY	PPL	DELIVERY TIME
see above	Due on receipt		11/17/2010	Wednesday	21	11 AM (10:45-11:15)

QUATY	DESCRIPTION	PRICE EA...	AMOUNT
21	Hot Monthly Special Buffet	11.95	250.95T
1	Cheese Tortellini in a Wild Mushroom Alfredo Sauce (Vegetarian) - In TO GO BOX - Mark Veggie	3.00	3.00T
21	Sliced Roasted Turkey & Homemade Dressing	0.00	0.00T
21	Mashed Baby Red Potatoes	0.00	0.00T
21	Vegetable Du Jour	1.50	31.50T
1	Seasonal Fresh Fruit and Berry Platter - 12-15 PPL	37.75	37.75T
21	House Salad with French and Ranch Dressing	0.00	0.00T
21	Multigrain & White Rolls & Butter	0.00	0.00T
21	Pumpkin Cake	0.00	0.00T
1	Chef's Choice of Mini Desserts-Dozen	21.00	21.00T
4	Full Disposable Chafer-PU Old Ones	4.00	16.00T
6	2 Coke, 2 Diet Coke & 2 Sprite	1.25	7.50T
2	Mineral Water	1.25	2.50T
2	Lemonade	1.45	2.90T
20	Spring Water	1.00	20.00T
	Subtotal		393.10
	Delivery Charge	20.00	20.00T
	Metro Sales Tax	7.275%	30.05

Thank you for your business.

Total

\$443.15

Please note NEW PO BOX as of July 2009

Please make checks payable to "D'Amico Catering".

Reference the invoice # and delivery date on your check, unless paid by credit card.

Thank you for your business.

Agreed to by (customer)_____

ACE Drop-Off Catering

Invoice

VB Box 132
PO Box 9202
Minneapolis, MN 55480-9202
612/238-4016 ahoffer@damico.com

INVOICE #

47399

BILL TO
Barr Engineering Amy Herbert 4700 W 77th Street Edina, MN 55435-4803

SHIP TO
Golden Valley City Hall-2nd Fl-Council Rm 7800 Golden Valley Road Site Contact: Judy N 763/593-3991 PO#23270512008300 952/832-2652 fax: 832-2601

P.O. NUMBER	TERMS		DELIVERY DATE	DAY	PPL	DELIVERY TIME
see above	Due on receipt		10/21/2010	Thursday	22	11 AM (10:45-11:15)

QUATY	DESCRIPTION	PRICE EA...	AMOUNT
1	Warm Spinach and Parmesan Artichoke Dip Served with Crackers - 12-15 PPL	37.75	37.75T
21	Hot Monthly Special Buffet	12.95	271.95T
1	Veggie-Cheese Stuffed Tortellini and Vegetables Tossed with Alfredo Sauce- In TO Go Box	3.00	3.00T
21	Slow Smoked Beef Brisket with Tomato Jam	0.00	0.00T
21	Potato Puree	0.00	0.00T
21	Seasonal Fresh Fruit	0.00	0.00T
21	House Salad with French and Ranch Dressing	0.00	0.00T
21	Artesian Breads, Rolls & Butter	0.00	0.00T
21	Assorted Bars & Cookies	0.00	0.00T
1	DOZEN Assorted Bars & Cookies - Mark for BREAK and Set Aside	18.00	18.00T
2.5	Full Disposable Chafer-PU Old ones if can.	0.00	0.00T
8	Assorted Sodas- 2 Coke, 2 Diet Coke, 2 Sprite & 2 Mineral Water	1.25	10.00T
20	Spring Water	1.25	25.00T
2	Lemonade	1.45	2.90T
	Subtotal		368.60
	Delivery Charge	20.00	20.00T
	Metro Sales Tax	7.275%	28.27

Holiday Menus Available, Reserve a Date!	Total	\$416.87
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Please note NEW PO BOX as of July 2009
Please make checks payable to "D'Amico Catering".
Reference the invoice # and delivery date on your check, unless paid by credit card.
Thank you for your business.

Agreed to by (customer) _____

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

(612) 337-9300
Tax ID No. 41-1225694

October 25, 2010

Statement No. 98660

Bassett Creek Water Management Commission
Sue Virnig

7800 Golden Valley Road
Golden Valley, MN 55427

Through September 30, 2010

BA295-00001 General	1,093.70
BA295-00029 Main Stem Restoration (Wisconsin to Rhode Island)	372.45
BA295-00030 North Branch Restoration (36th to Bassett Creek Park)	372.45

Total Current Billing: 1,838.60

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



Signature of Claimant

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

(612) 337-9300
Tax ID No. 41-1225694

October 25, 2010

Statement No. 98660

Bassett Creek Water Management Commission
Sue Virnig

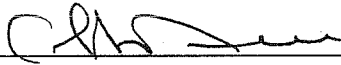
7800 Golden Valley Road
Golden Valley, MN 55427

Through September 30, 2010

BA295-00001 General	1,093.70
BA295-00029 Main Stem Restoration (Wisconsin to Rhode Island)	372.45
BA295-00030 North Branch Restoration (36th to Bassett Creek Park)	372.45

Total Current Billing: 1,838.60

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



Signature of Claimant

Kennedy & Graven, Chartered

200 South Sixth Street

Suite 470

Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

September 30, 2010

BA295-00001 General

Through September 30, 2010

For All Legal Services As Follows:

			Hours	Amount
9/4/2010	CLL	Review minutes	0.35	66.85
9/20/2010	CLL	Review agenda materials; email to A. Herbert regarding agenda	0.65	124.15
9/22/2010	CLL	Phone call from and exchange emails with K. Chandler regarding using commission engineer to prepare plans and specifications	0.30	57.30
9/23/2010	CLL	Attend commission meeting	4.40	840.40
Total Services:			\$	1,088.70

For All Disbursements As Follows:

9/23/2010	Charles L. LeFevere; Mileage expense	5.00
Total Disbursements:		\$ 5.00

Total Services and Disbursements:	\$	1,093.70
--	-----------	-----------------

Kennedy & Graven, Chartered

200 South Sixth Street

Suite 470

Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

September 30, 2010

BA295-00029 Main Stem Restoration (Wisconsin to Rhode Island)

Through September 30, 2010

For All Legal Services As Follows:

			Hours	Amount
9/14/2010	CLL	Phone call from A. Herbert regarding 2011 projects; work on contracts; review background documents	0.75	143.25
9/15/2010	CLL	Phone calls to L. Kremer and K. Chandler; revise and email draft resolution ordering 2011 projects	1.20	229.20
Total Services:			\$	372.45

Total Services and Disbursements: \$ 372.45

Kennedy & Graven, Chartered

200 South Sixth Street
Suite 470
Minneapolis, MN 55402

Bassett Creek Water
Sue Virnig

September 30, 2010

BA295-00030 North Branch Restoration (36th to Bassett Creek Park)

Through September 30, 2010

For All Legal Services As Follows:

			Hours	Amount
9/14/2010	CLL	Phone call from A. Herbert regarding 2011 projects; work on contracts; review background documents	0.75	143.25
9/15/2010	CLL	Phone calls to L. Kremer and K. Chandler; revise and email draft resolution ordering 2011 projects	1.20	229.20
Total Services:			\$	372.45

Total Services and Disbursements: \$ 372.45

INVOICE

INVOICE DATE: 11/8/2010

Geoff Nash, Watershed Consulting, LLC
6920 Hillcrest Lane
Edina, MN 5435
952-925-5119

Client: Bassett Creek Watershed
Management Commission

Dates: October 1-31, 2010

Task/Project	10/1/2010	10/4/2010	10/5/2010	10/6/2010	10/7/2010	10/8/2010	10/11/2010	10/12/2010	10/13/2010	10/14/2010	10/15/2010	10/18/2010	10/19/2010	10/20/2010	10/21/2010	10/22/2010	10/23/2010	10/26/2010	10/27/2010	10/28/2010	10/29/2010	Month
Administrative.		1.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	1.5	1.5	0.5	1.0	1.5	1.0	1.5	1.0	1.0	23.5
Commission Meeting/Prep.												1.0		1.5	4.0						3.0	9.5
Administrative Committee Meeting/Prep.														1.0								1.0
Grants		0.5																	0.5	1.0		2.0
Education/Outreach Committee														1.5	1.0							2.5
TAC Meeting/Prep.											1.5	1.0					1.5	1.0				5.0
Medicine Lk. TMDL																						0.0
Sweeney Lk. TMDL		1.0		1.0	1.0	1.0		1.5	2.0	2.5	1.0							1.0	1.0	1.0		14.0
Wirth Lk. TMDL																		0.5				0.5
Hennepin Co. Groundwater Planning																						0.0
Communication with Commission/Consultants																						0.0
Policy Manual			2.0	2.0	2.0	2.0																8.0
Major Amendment WMP																						0.0
Third-party meeting/prep.									3.0													3.0
CIP																						
BWSR Reporting/Grant tracking/eLink							2.5					1.0										3.5
Daily Total:	0.0	0.0	0.0	0.0	1.5	2.0	3.0	4.0	4.0	4.0	3.5	2.5	3.0	6.5	3.5	5.0	1.5	5.5	5.5	1.0	3.0	4.0
Weekly Hours:		1.5				17.0					19.0					18.5					16.5	
Monthly Hours:																						72.5
Hourly Charges (at \$47/hr):																						\$3,407.50
Actual Hourly Charges:																						\$3,407.50
Unbilled Charges:																						\$0.00

Expenses:	10/1/2010	10/4/2010	10/5/2010	10/6/2010	10/7/2010	10/8/2010	10/11/2010	10/12/2010	10/13/2010	10/14/2010	10/15/2010	10/18/2010	10/19/2010	10/20/2010	10/21/2010	10/22/2010	10/25/2010	10/26/2010	10/27/2010	10/28/2010	10/29/2010	Month
Telephone																						\$60.55
Printing-black&white (\$0.15/sheet)																		6	2			\$0.00
Printing-color (\$0.50/sheet)																						
Postage (\$0.44 ea.)																	0.88	3.19				\$4.07
Office products/ext. copying														25.23	1.93							\$27.16
Mileage (\$0.50/mile)															20						20	\$20.00
Expenses:																						\$51.23
Total invoice amount:																						\$3,458.73

Watershed Consulting, LLC
6920 Hillcrest Lane
Edina, MN 55435
(952) 925-5119 office
(952) 240-3025 cell.

See attached Verizon invoices.

Note: July Verizon invoice - previous Verizon invoice = BCWMC monthly billed amount.



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3535 Hazelton Rd
Edina, MN 55435-4208
Tel: (952) 820-6000

10/21/2010 10:04:51 AM CST
Team Member: Jennifer A.

SALE

ES BW SS Standard 18 @ 0.1000 T
0159 Regular Price 0.10

Regular Total 1.80
Discounts 0.00

Total 1.80

Sub-Total 1.80
Tax 0.13
Deposit 0.00

Total 1.93

Cash 2.00

Total Tender 2.00
Change Due (0.07)

Total Discounts 0.00



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and conditions, which will be made
available to you upon request.

Customer Copy



FedEx Office
3535 Hazelton Rd
Edina, MN 55435-4208
(952) 820-6000

Order Date: 10/20/2010 Branch: 0622
Order Time: 11:23:45 Register: 02
Pickup Date: 10/20/2010
Pickup Time: 14:00
Team Member: Kathleen C.

PICK UP ORDER

062202HXB1

Customer: Geoff Nash

Total Order 25.23
Total Paid Online 25.23

Sub-Total 0.00
Balance Due 0.00

PICK UP ORDER

062202HXB1

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Customer Copy

SAVE

Welcome to Impark
Thank you for Parking with Impark.

ENTR: 10/19/2010 10:09:23 AM
TICKET#: 70011539
EVENT: MN WATER RESOURCE

Gross: \$10.00
Amount: \$10.00
Tendered: \$10.00
PaymentType: CASH
Change: \$0.00



Water Res. ~~OFF~~ SAVE
P19

Welcome to Impark
Thank you for Parking with Impark.

ENTR: 10/20/2010 1:35:17 PM
TICKET#: 70011726
EVENT: \$10 MN WATER RESOURCE

Gross: \$10.00
Amount: \$10.00
Tendered: \$10.00
PaymentType: CASH
Change: \$0.00



SAVE
BCWMC



BYERLY'S

Edina
Gen. Manager Mark Bartusch
952-831-3601
Open 6am - midnight

Cashier: Kathi J

10/27/10 16:27:59

POST OFFICE POSTAGE	130	.61
POST OFFICE POSTAGE	130	2.58
SUBTOTAL		3.19
TOTAL TAX		.00
TOTAL	3.19	

Cash	TENDER	20.25
Cash	CHANGE	17.06

NUMBER OF ITEMS 2

----- FSA Total \$0.00 -----

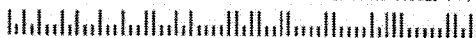
Trx:225 Oper 828 Term: 13 Store: 1003
10/27/10 16:28:38



777 BIG TIMBER ROAD
ELGIN, IL 60123

Manage Your Account & View Your Usage Details	Account Number	Date Due
My Verizon at www.verizonwireless.com	[REDACTED]	11/17/10
	Invoice Number	[REDACTED]

10047972 02 AT 0.482 **AUTO T0 0 4622 55435-160620 1 4 E GTPL2209



CAMILLE NASH
6920 HILLCREST LN
EDINA, MN 55435-1606

Quick Bill Summary

Sep 23 - Oct 22

Previous Balance <i>(see back for details)</i>	\$195.01
Payment - Thank You	-\$195.01
Balance Forward	\$0.00
Monthly Access Charges	\$169.95
Usage Charges	
Voice	\$0.00
Messaging	\$0.00
Verizon Wireless' Surcharges and Other Charges & Credits	\$8.11
Taxes, Governmental Surcharges & Fees	\$16.72
Total Current Charges	\$194.78

Total Charges Due by November 17, 2010 **\$194.78**
Previous Invoice - 134.23
Current Month \$60.55

Pay from Wireless	Pay on the Web	Questions:
www.verizonwireless.com	www.verizonwireless.com	1-800-922-0444 or 611 from your wireless



CAMILLE NASH
6920 HILLCREST LN
EDINA, MN 55435-1606

Bill Date October 22, 2010
Account Number [REDACTED]
Invoice Number [REDACTED]

VN

Total Amount Due by November 17, 2010

Make check payable to Verizon Wireless
Please return this remittance slip with payment

\$194.78

\$.

P.O. BOX 25505
LEHIGH VALLEY, PA 18002-5505



Check here and fill out the back of this slip if your billing address
has changed or you are adding or changing your email address.



Barr Engineering Company
4700 West 77th Street • Minneapolis, MN 55435-4803
Phone: 952-832-2600 • Fax: 952-832-2601 • www.barr.com *An EEO Employer*

Item 5A

Minneapolis, MN • Hibbing, MN • Duluth, MN • Ann Arbor, MI • Jefferson City, MO • Bismarck, ND

Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Company
Subject: Item 5A – Menards - Golden Valley
BCWMC November 17, 2010 Meeting Agenda
Date: November 10, 2010
Project: 23/27 051 2010 197

5A. Menards: Golden Valley

Summary

Proposed Work: Redevelopment of an Existing Menards Store

Basis for Commission Review: Alternative Treatment Proposed

Change in Impervious Surface: None

Recommendation: Conditional Approval

General Background & Comments

The existing Menards building located northwest of the intersection of Wayzata Boulevard and Hampshire Avenue will be demolished and a new Menards building, warehouse, parking lot, and yard area will be constructed. There will be no increase in impervious area, and currently there is no stormwater water quality treatment on the site. Proposed BMP's include bioretention basins and storm chambers to bring the entire site to Level 1 standards. The site is in the Sweeny Lake Subwatershed.

Floodplain

N.A.

Wetlands

There are no wetlands on the fully developed site. The City of Golden Valley is the Local Government Unit (LGU) responsible for review of the project for conformance to the MN Wetland Conservation Act.

Stormwater Management

The site discharges into the existing storm sewer system under Wayzata Boulevard, Hampshire Avenue, and Laurel Avenue and then eventually into Sweeny Lake. Peak flow rates will be reduced by the volume added in the water quality BMP's.

Water Quality Management

Currently, there is no water quality treatment onsite. Permanent BMP's include construction of three bioretention basins and four storm chambers. Approximately one quarter of the site (3.3 acres) will discharge to three bioretention basins on the south edge of the property before entering the downstream

storm sewer system. The remainder of the site (7.9 acres) will discharge to four storm chambers placed underneath the parking lot and yard area at the north, east, and west edges of the property before entering the downstream storm sewer system. The storm chambers act as surface sand filters (only they are underground) and will receive and store the first one inch of runoff which will slowly filtrate through a sand filter to remove phosphorus before being collected in the underdrain system.

The bioretention basins have been designed in accordance with the design and maintenance requirements for bioretention systems in the *Requirements for Improvements and Development Proposals*. The storm chambers have been designed in accordance with the design and maintenance requirements for surface sand filters in the same document. These BMP's will trap sediment and remove phosphorus prior to discharging downstream to Sweeny Lake.

Erosion and Sediment Control

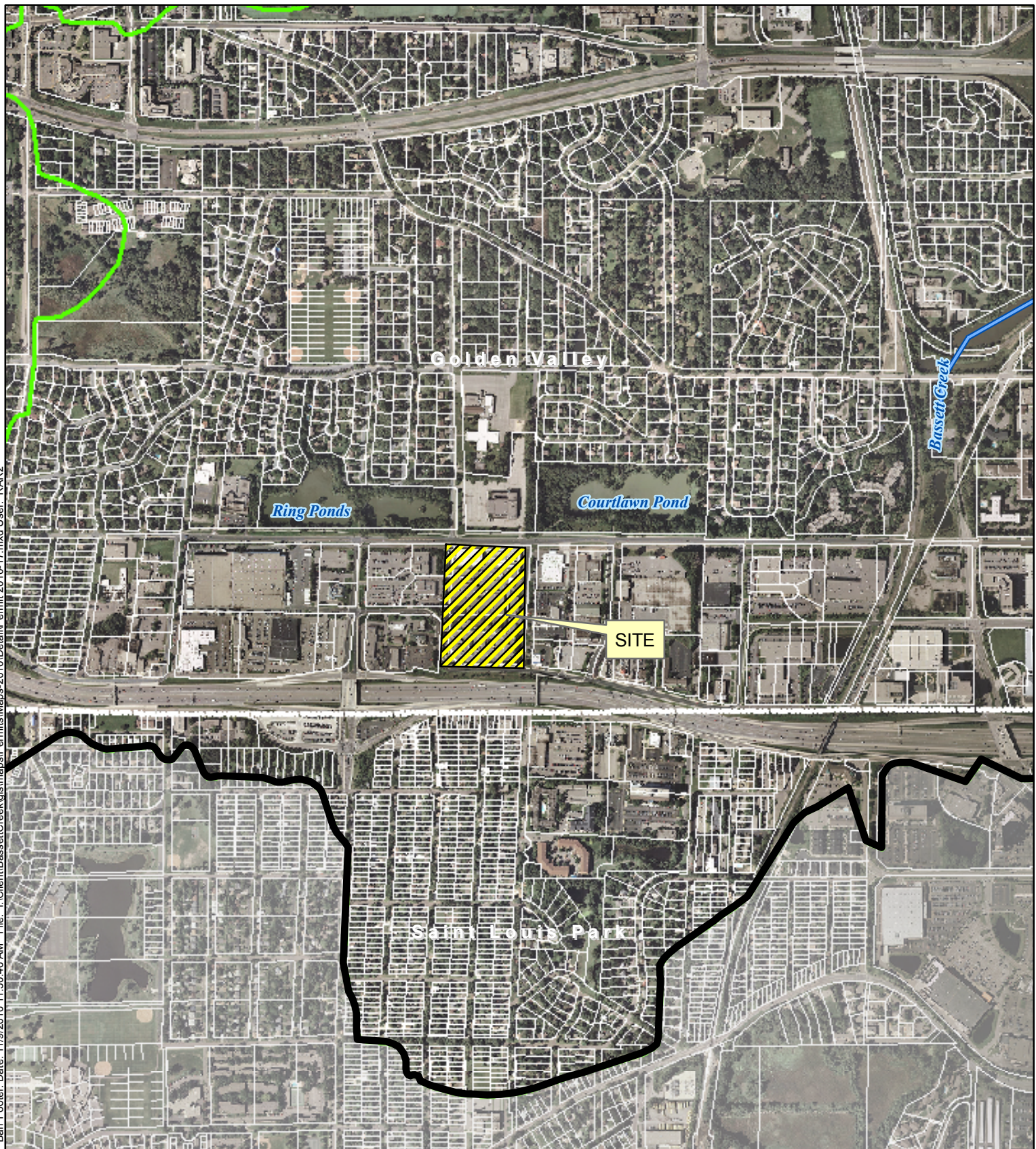
Temporary erosion control features include silt fence around the entire site, silt fence around existing storm sewer inlets, erosion control mats on all 3:1 and greater slopes, and tracking pads at construction site entrances. Temporary sediment basins along the south side of the property will also be used during construction.

Recommendation

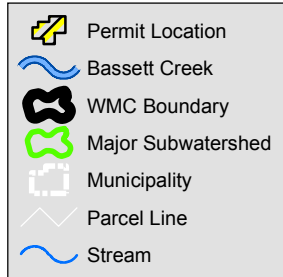
Conditional approval based on following comments:

1. The sequencing of construction must be updated to include the following construction notes for the bioretention basins.
 - a. To the extent possible, the bioretention basins must be constructed after the remaining site and tributary area has been graded and stabilized.
 - b. After final grading, the bioretention basin floor must be tilled to a depth of at least 6 inches to provide a well-aerated, porous surface texture. Six inches of compost must be tilled in at this time.
 - c. The bottom and side slopes of the basin must be stabilized with appropriate plants within seven days following construction.
2. The sequencing of construction must be updated to include the following construction notes for the storm chambers.
 - a. Sand must be placed uniformly to prevent formation of voids that could lead to short-circuiting and prevent damage to the underlying under-drain system. To the extent possible, voids between the trench walls and the geotextile fabric must be avoided.
 - b. Mechanical compaction of the sand filter should be avoided. The sand bed can be stabilized by wetting the sand periodically, allowing it to consolidate, and then adding extra sand. This process can be repeated until consolidation is complete.

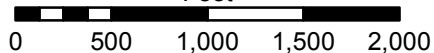
3. A maintenance agreement for the bioretention basin and storm chambers must be established between the applicant and the City of Golden Valley. Discussions with the applicant indicate that the maintenance plan for the storm chambers will allow them to be serviced so that the functionality of the facilities extends to the life of the pavement. When the pavement would be replaced, the sand filters would be replaced. In the interim, the Isolator Rows of the storm chambers (which are used for pretreatment and remove a large portion of the sediment) will have sediments removed on a frequent basis.
4. The plan sheets that show the dimensions, number of chambers, lengths, and sizes of the Storm Chambers must be submitted for review.



Imagery Source: Aerials Express, 2009



Feet



**LOCATION MAP
APPLICATION 2010-17
Menards
Golden Valley, MN**



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 5B, Soo Line Railroad Bridge, Channel Obstruction
Date: November 9, 2010
Project: 2327-0051.2010

5B. Soo Line Railroad Bridge, Channel Obstruction

Recommended/requested Commission actions:

Authorize preparation of a letter to the Soo Line Railroad requesting that debris that has accumulated on the upstream side of the bridge be removed and that all of the piles that are not part of the existing bridge be removed from the stream channel. A copy of the letter should be sent to the Minnesota Department of Natural Resources.

Background

During the Creek Walk on October 29th it was noted that there was a significant amount of debris that had accumulated at the upstream side of the Soo Line Railroad Bridge which crosses the main stem of Bassett Creek downstream of Douglas Drive in Golden Valley. The debris is accumulating because the support piles for the existing bridge and the previous bridge significantly obstruct the channel cross section. When the railroad replaced the bridge they installed new pile bents next to the old ones which further obstruct the channel and they left parts of the old pile bents in the channel. Pictures of the bridge are attached.

The additional obstructions of the channel cross section caused by the new pile bents and the accumulation of debris on the new and old piles could result in significantly higher flood levels upstream of the railroad crossing. There is an apartment building on the north bank of the channel immediately upstream of the railroad bridge that would be subject to flooding. The accumulating debris also causes the water level on the upstream side of the bridge to rise which increases the velocity of flow through the bridge and causes scour of the creek banks and increased sediment loads downstream.

The old piles need to be removed from the channel.



NEW PILE BENT

NEW
PILE
BENT

OLD PILE BENTS CUT-OFF
SEVERAL FEET ABOVE CREEK
BOTTOM, ACCUMULATES DEBRIS



NEW PILE BENT

NEW
PILE
BENT

OLD PILE BENTS CUT-OFF
SEVERAL FEET ABOVE CREEK
BOTTOM, ACCUMULATES DEBRIS



Memorandum

To: Bassett Creek Watershed Management Commission
From: Technical Advisory Committee
Subject: November 4, 2010 TAC Meeting
Date: November 8, 2010

The Technical Advisory Committee (TAC) met on November 4, 2010. The following TAC members, city representatives, staff, and others attended the meeting:

City	TAC Members/Alternates	Other City Representatives
Crystal	Tom Mathisen	
Golden Valley	Jeaninne Clancy, Jeff Oliver	Chair Linda Loomis
Medicine Lake	Vacant position	
Minneapolis	Pat Byrne	
Minnetonka	Liz Stout	
New Hope	Guy Johnson, Jason Quisberg	
Plymouth	Derek Asche	
Robbinsdale	Richard McCoy	
St. Louis Park	Laura Adler	
BCWMC Staff	Geoffrey Nash, Karen Chandler	
Also in attendance were Rachael Crabb, Minneapolis Park & Recreation Board and Jack Frost, Met Council		

The Technical Advisory Committee (TAC) directed staff to forward the following recommendations to the Commission for its consideration. This memorandum presents the recommendations relating to 1) New Hope Channel Maintenance Fund request, 2) having the engineer assemble a task list for the option of updating all or parts of the hydrologic and water quality models, and 3) the status of planning for the BCWMC's Next Generation Plan,

1. New Hope Channel Maintenance Fund request

Guy Johnson and Jason Quisberg presented the City of New Hope's Channel Maintenance Fund request. The reach is in the Northwood Park wetland area just west of Winnetka Avenue, north of

36th Avenue. The intent is to improve drainage in this area and alleviate upstream flooding in Northwood Lake. Project costs have not been estimated yet but could range from about \$75,000-\$200,000. The wide range is due to potential wetland impacts. Sediments have been analyzed for contaminants and are considered to be Category I and, therefore, do not require special disposal.

The recently completed Northwood West Inlet Cleaning project was previously determined to be eligible for use of Channel Maintenance Funds, so it is understood that further funds may not be available to the city until that project has been reimbursed and funds are available.

Recommendations on the New Hope Channel Maintenance Fund request:

The project deals with improving the flow in the creek that is part of the trunk system and the TAC recommended approval of the request.

2. Hydrologic and Water Quality Modeling status

The TAC was provided with two Barr memos related to the status of the engineer's hydrologic and water quality models in the watershed.

The hydrologic memo presented an update on the status of hydrologic and hydraulic models that have been used on past projects for the design of the flood control project and for developing regulatory flood profiles on the creek. Previous modeling throughout the Bassett Creek watershed has been conducted using a variety of hydrologic and hydraulic models with varying levels of detail. Some of the models need significant modification and updating. There is no single model that covers the watershed as a whole. The TAC agreed in general that there would be benefits in having an overall hydrologic model of the watershed, but they questioned if such a model would be beneficial enough to make it worth the cost. The TAC also discussed what would be the appropriate level of detail in such a model (e.g., should the model only cover the BCWMC trunk system?). The TAC also noted that TP-40 (rainfall atlas) will be updated soon and cautioned that a new model could result in higher predicted flood levels on the trunk system.

The water quality memo discussed the current status of water quality (P8) modeling previously completed for watershed or Total Maximum Daily Load (TMDL) studies for priority water bodies within the watershed and provided recommendations for updating the modeling in the future.

Recommendations on the Hydrologic and Water Quality Modeling Status Issue:

The TAC recommended that the engineer provide the following information regarding upgrades to the hydrologic and water quality models:

- Map showing the status of the existing modeling, including the watersheds in the models
- Options for level of detail/number of watersheds to modeled
- Task list for each option
- Gross cost estimates to complete the work for each option.

The TAC further recommended that the engineer note those parts of the hydrologic models that are up-to-date and would therefore not require revision. The TAC also recommended that the engineer check the performance of the hydrologic model using recent flow data. The results of both of these requests could be discussed at the next TAC meeting in January.

3. Next Generation Watershed Management Plan Framework

In 2014, the BCWMC's current Watershed Management Plan will expire. The TAC discussed the results of two issue questionnaires they filled out over the last few weeks. Issues were in broad categories of Education & Outreach, Erosion & Sediment Control, Flood & Rate Control, and Funding. Additional questionnaires will follow.

Recommendations on the Planning Issue:

The TAC recommended that the planning process focus on issue identification and wait until later to suggest ways to address those concerns. The TAC also requested that the Administrator provide information regarding the BCWMC's current Education & Outreach program for discussion at the next TAC meeting. Additional questionnaires will be sent on other topics and the Board will be provided with those materials. No Board action is necessary at this time.

- **Other Business**

The next TAC meeting has been scheduled for Thursday, January 6, 2011.

The Minnesota Pollution Control Agency (MPCA) received two comments during the public comment period for the Medicine Lake draft TMDL. Below are the comments from the MN Dept of Natural Resources (DNR), and the MN Dept of Transportation (MnDOT) and the MPCA responses.

The following are responses to DNR comments provided by Nick Proulx dated November 3, 2010 on the draft Medicine Lake TMDL dated September 1, 2010.

Comment #1: Load Reduction Targets - It is my understanding that it is appropriate to use the water quality standards for deep-water lakes in the North Central Hardwood Forest Ecoregion as the Water Quality Goals for this TMDL. I am uncertain if the reduction targets are sufficient to achieve the identified water quality goals. The expectation for eutrophication standards is not that these conditions will be met in Medicine Lake every year once the TMDL reduction targets are implemented but rather the long-term average summer water quality conditions will be at or better than the eutrophication standards. If that is the case, a key question to be answered is whether the TMDL addresses expected year-to-year variations in loads and provides reasonable assurances that the long-term average will be at or below the identified water quality targets. As is shown in Figure 2-1 and 2-2 of the report (p. 8) year-to-year variations of water quality conditions have been measured in the lake and likely represent annual variability in the rates of external or internal nutrient inputs. I am uncertain if this variability has been effectively captured in the TMDL model efforts outlined in this report.

Response: As the commenter notes, significant year-to-year variation may occur that could impact the attainment of water quality standards. The TMDL report does recognize the factors causing year-to-year variation. However, a “typical” year was chosen as the “critical” condition for the TMDL. While the choice of a “typical” year does not ensure attainment of standards under all possible conditions, other aspects of the TMDL help address this concern. These include a margin of safety (MOS), a monitoring program, and an implementation strategy that includes adaptive management.

Comment #2: External loads - I understand that the 2006 water year that was used for model development was a year of average precipitation. The model was then run for the 2004, 2005, and 2007 water years. Precipitation on an annual basis did not vary dramatically over this 4-year period (Table 3.1 – p. 13), more significant variations may have occurred on a seasonal basis. My assumption is that the amount of external phosphorus load is correlated with the amount of runoff (loading rates are higher in “wet” years and lower in “dry” years) but I don’t know nor does the report provide information on the shape of that relationship for the Medicine Lake watershed. If these TMDL load reductions are going to meet the water quality targets, then I think the assumption is being made that the amount of phosphorus load increase in wet years will be offset by the amount of phosphorus load decrease in dry years. If the existing models could help demonstrate that that outcome is likely, I think that information would strengthen this document. The report appears to suggest that erosion is an issue for one or more streams that flows into Medicine Lake (the implementation strategy identifies the need for

continued streambank stabilization efforts – p. 37). Increased erosional loss during wet years could increase external phosphorus loads and contribute to non-attainment of the identified water quality goals.

Response: As the commenter notes, it would be informative to more fully assess the relationship of loading to precipitation. Annual precipitation is one factor in assessing annual phosphorus loads. The frequency, duration, and magnitude of storm events as well as their seasonal distribution are also important. The P8 model was applied for years with sufficient data to inform the calibration and validation of the model and develop the TMDL. Resources were not available to apply P8 for other years and conduct a more detailed assessment of the relationship between precipitation and loading.

In response to the comment on assuming loads in wet years are offset by loads in dry years, it is important to keep in mind that the nutrient residence time of Medicine Lake is less than one-year. Therefore, year-to-year variations in loading will impact the lake's response within that year, but preceding years are less likely to significantly impact subsequent years.

Comment #3: Internal loads - The report estimates rates of internal load for four years. The value for water year 2006, the base year for water quality modeling, was used when the external load reduction targets were established. Rates of internal loading in 2005 appeared to match the 2006 estimates (see Fig 3.4 – p. 18), however, modeling results for 2004 and 2007 were clearly different. In those years, the model suggests that Medicine Lake experienced much higher rates of internal loading and that the scale of the increase was significant when compared to the total external load. These results suggests that annual variation in rates of internal load, over a multiple year period, will have a significant impact on in-lake phosphorus concentrations and be important in determining whether water quality targets can be achieve. Never-the-less, the model used to develop the reduction targets outlined in this report used the lower (2006) internal loading rates. This TMDL does build in a margin of safety by setting the target watershed phosphorus loading rate at 3230 pounds/year vs the 3500 pounds per year that the model predicts would be sufficient to meet the identified water quality goals. The identified margin of safety is 270 pounds per year or 7.7% of the external watershed load. However, it is unclear if this margin of safety is sufficient. Information is not presented on how external loads will likely vary across the range from wet to dry years to determine likely average external loading rates over the long-term. More importantly, average internal loading rates are likely to be higher than modeled and the increase may exceed the built in margin of safety.

Response: The comment correctly identifies uncertainty associated with internal loading in this TMDL. It is important to note that in using 2006 as the design condition with the lower internal loading rates, the TMDL assumed continuing control of curlyleaf pondweed to the extent it was controlled in 2006. Continued control of curlyleaf pondweed to 2006 levels is incorporated into the implementation strategy and Implementation Plan.

The following are responses to MnDOT comments provided by Beth Neunendorf dated October 27, 2010 on the draft Medicine Lake TMDL dated September 1, 2010.

Comment #1: Page 3, Summary Table, Reasonable Assurance: Says “MS4 permits will be required to address TMDL upon renewal”. This doesn’t seem to be worded quite right. Maybe something that has been used in other TMDL’s along the lines of “If a USEPA –approved TMDL (s) has been developed, you must review the adequacy of your Storm Water Pollution Prevention Program to meet the TMDL’s Waste Load Allocation set for storm water sources. If the Storm Water Pollution Prevention Program is not meeting the applicable requirements, schedules and objectives of the TMDL, you must modify your Storm Water Pollution Prevention Program, as appropriate, within 18 months after the TMDL is approved.” would be more appropriate.

Response: The TMDL has been revised to read: “Upon approval of this TMDL by USEPA, MS4 entities must review the adequacy of their Storm Water Pollution Prevention Program (SWPPP) to meet their respective WLA. If the SWPPP is not meeting the applicable requirements, schedules and objectives of this TMDL, MS4 entities must modify their SWPPP consistent with the requirements of their permit and this TMDL.”

Comment #2: Page 27, Section 4.7 Reasonable Assurance: Says “MS4 permits will include requirements to meet the WLAs specified in this TMDL”. This also doesn’t seem to be worded quite right. Perhaps the above suggestion could be used here as well.

Response: See Response to Comment #1 above. Page 27, Section 4.7 of the TMDL has been accordingly.



Memorandum

To: Bassett Creek Watershed Management Commission
From: Geoff Nash, Administrator
Subject: BCMWC Website Domain Name Registration
Date: November 8, 2010

The BCWMC website is hosted on the Barr Engineering server. The domain name "bassettcreekwmo.org" was set up several years ago and title to the name is owned by Barr. The Commission requested that staff investigate how to have the domain name transferred to BCWMC while having Barr continue to host the website.

Tanya Roberts, with Barr, told me that some Internet registrars will waive the transfer fee (i.e., transferring the ownership from Barr to BCWMC) if we renew the domain name as part of the transfer. At five years, the cost per year for the domain name starts to decline with nine years being the cheapest. Those costs are shown below:

Term (years)	Registration Fee	Cost per year
1	35	\$35
2	70	\$35
3	105	\$35
4	140	\$35
5	149	\$30
6	179	\$30
7	199	\$28
8	225	\$28
9	235	\$26

Choices

The Board could:

1. Continue to have Barr own the domain name with Barr hosting the website.
2. Have the domain name transferred to its' ownership and have Barr continue to host the site. Barr has performed this service already for several years and has not charged for hosting.
3. Have the domain name transferred to its' ownership and find another host for the site. This would entail additional costs beyond those shown above.



Memorandum

To: Bassett Creek Watershed Management Commission
From: Barr Engineering Co.
Subject: Item 6D—Next Generation Plan Work Session—Public Involvement Process for 2004 Watershed Management Plan
BCWMC November 17, 2010 Meeting Agenda
Date: November 10, 2010
Project: 23270051.31 2010

6D. Next Generation Plan Work Session—Public Involvement Process for 2004 Watershed Management Plan

Recommended/requested Commission actions:

1. For discussion.

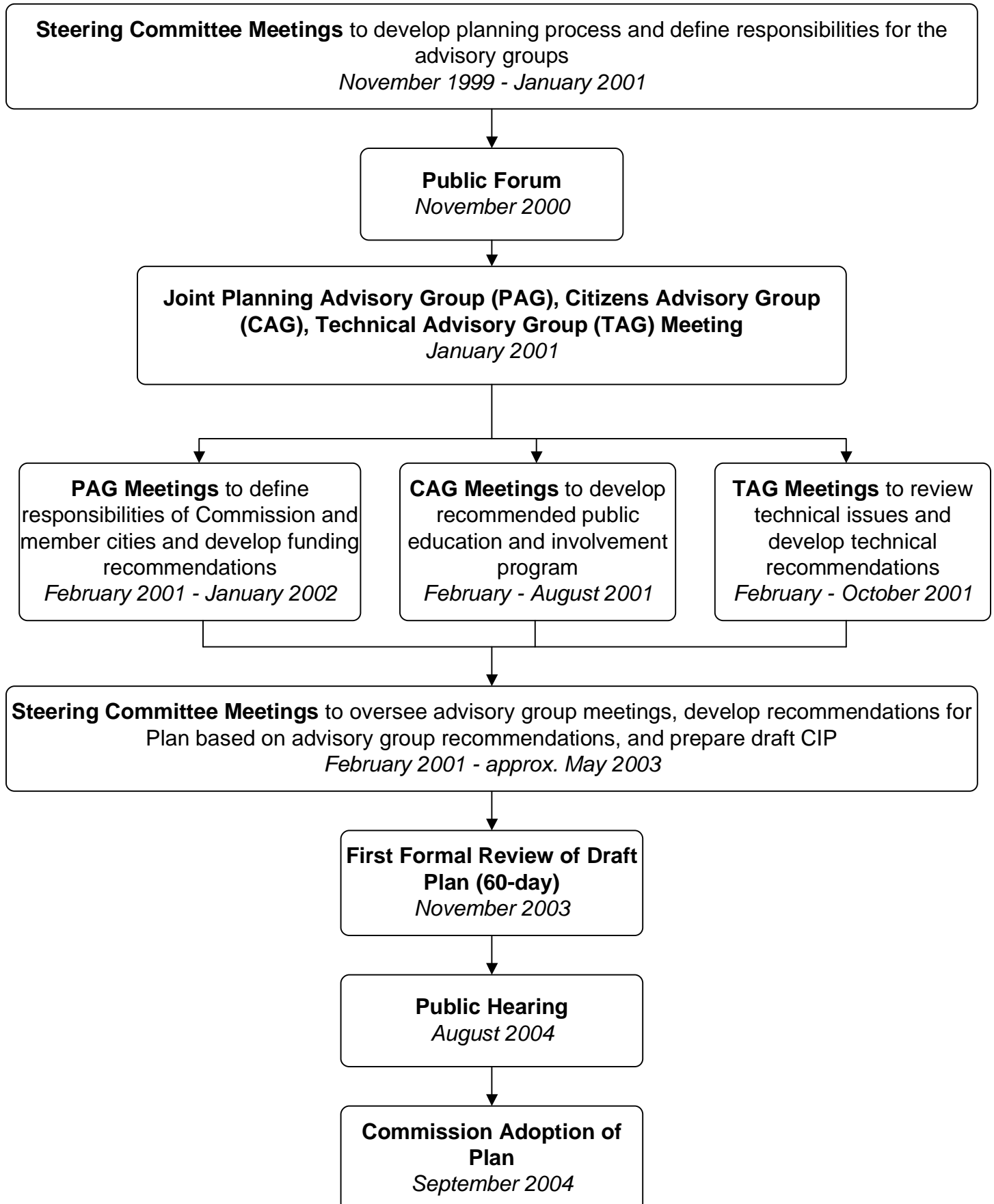
Background

At their September 23, 2010 meeting, the Commission directed the engineer to prepare a short summary of the public involvement activities that were undertaken during the planning process for the BCWMC 2004 Watershed Management Plan. Staff prepared the attached flow chart, which shows the timeline of advisory group and public involvement activities, and the advisory groups' responsibilities.

This information is provided as background material for the Commission to use in its discussions about the planning process for the next generation watershed management plan.

BCWMC Planning Process - 2004 Watershed Management Plan

Relative Timeline of Advisory Group and Public Involvement Activities





Geoff Nash, P.G.
Watershed Consulting, LLC

Administrator's Report
Bassett Creek Watershed Management Commission
November 17, 2010

1. Finalized Sweeney Lake TMDL and submitted it to the MPCA for internal review and eventual submittal to the EPA.
2. Sent out second questionnaire to TAC to get feedback on what issues of related to Flooding & Rate Control and Funding need to be considered in the Next Generation Plan.
3. Summarized first and second questionnaire responses from TAC into a table for discussion at the November 4 TAC meeting.
4. At this early stage in the Next Generation Watershed Management Plan process, the TAC decided to focus on issue identification, rather than moving onto discussion of solutions.
5. Administrator spoke to Brad Wozney, BWSR, on November 5 who cautioned BCWMC about moving too quickly on revisions of the Next Generation Watershed Management Plan. BWSR will not approve the new draft rules for the Plans until at least August 2012. Our Plan has to be revised by 2014.
6. Attended Creek Walk on Friday, October 29. Obstructions in creek channel under Sioux Line railroad trestle. Old pilings are blocking flow and causing debris to accumulate.
7. On November 1, I submitted a Conservation Corp of Minnesota (CCM) grant application on behalf of Metro Blooms for rain garden installation laborers in the District. Only cities and watersheds are allowed to submit applications to the CCM.
8. Met with Lee Gustafson to discuss changes to BCWMC financial documents that would provide more clarity for the Board and the public. No final format determined.
9. Met with Michael Welch to review his additions to the Policy Manual on the issue of the Creek and Streambank Maintenance Repair and Channel Sediment Removal Fund. Administrator has continued to make edits to the Policy Manual as time permits.
10. Notified by MPCA that the EPA signed the Wirth Lake TMDL on October 25.
11. Received Braun Intertec report commissioned by Caroline Amplatz on Whole Lake Aeration of Sweeney Lake from DNR. Report and cover letter sent by Braun to DNR to request public review of the DNR's annual aeration permit granted to Dave Hanson. Caroline Amplatz's report requested that the DNR consider stopping the aeration on the grounds that it promotes harmful algae growth. Caroline Amplatz also requested that the Commission allow Braun to present results of the report at a Board meeting.
12. On November 9, Brooke Asleson called to explain that she is drafting a work plan for the Twin Cities Metro Chloride Project. Brooke is seeking some time on the December Board agenda to discuss this project with us because Bassett Creek has a chloride impairment and, under this plan, all waterbodies in a watershed with an impairment would be covered. The plan would cover the 7-county metro area.



Barr Engineering Company
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November 1, 2010

Joseph Yanta
Project Manager, Regulatory Branch
St. Paul District, Corps of Engineers
190 East Fifth Street, Suite 401
Saint Paul, MN 55101-1638

Re: North Branch Bassett Creek Feasibility Study Concept Designs Permit Application

Dear Mr. Yanta:

Enclosed for your review is a paper copy of a Minnesota Local/State/Federal Application for Water/Wetland Projects for the North Branch Bassett Creek Restoration Project. Included with the application form is a copy of the feasibility report completed by the Bassett Creek Watershed Management Commission (BCWMC). The feasibility report includes concept designs, cost estimates and estimated pollution reduction. This project is part of the BCWMC Capital Improvement Program (CIP) and was included in the Resource Management Plan (RMP) submitted to the U.S. Army Corps of Engineers in 2009. The application will be submitted for local and state approval when final plans are completed in 2011.

If there are questions or if additional information is needed that we can provide in the process to ensure timely approval please contact Len Kremer, (952) 832-2781 or Jeff Weiss, (952) 832-2706.

Sincerely,

Len Kremer
Engineer for Bassett Creek Watershed Management Commission

Jeff Weiss
Project Manager

Information only



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November 1, 2010

Joseph Yanta
Project Manager, Regulatory Branch
St. Paul District, Corps of Engineers
190 East Fifth Street, Suite 401
Saint Paul, MN 55101-1638

Re: Bassett Creek Reach 1 Feasibility Study Concept Designs Permit Application

Dear Mr. Yanta:

Enclosed for your review is a paper copy of a Minnesota Local/State/Federal Application for Water/Wetland Projects for the Bassett Creek Reach 1 Restoration Project. Included with the application form is a copy of the feasibility report completed by the Bassett Creek Watershed Management Commission (BCWMC). The feasibility report includes concept designs, cost estimates and estimated pollution reduction. This project is part of the BCWMC Capital Improvement Program (CIP) and was included in the Resource Management Plan (RMP) submitted to the U.S. Army Corps of Engineers in 2009. The application will be submitted for local and state approval when final plans are completed in 2011.

If there are questions or if additional information is needed that we can provide in the process to ensure timely approval please contact Len Kremer, (952) 832-2781 or Jeff Weiss, (952) 832-2706.

Sincerely,

Len Kremer
Engineer for Bassett Creek Watershed Management Commission

Jeff Weiss
Project Manager