



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

Page # 1
Invoice # 23270051-2014-8
Project # 23/27-0051
Client # 59
November 7, 2014

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
September 27, 2014 through October 31, 2014

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, watershed communities and interested citizens; and communications with MWMO staff regarding upcoming 60-day review of MWMO plan and BCWMC adoption of MIDS standards.

Karen L. Chandler, Consultant/Advisor	
6.6 hours @ \$155.00 per hour.....	\$ 1,023.00
Technicians/Administrative	\$ 13.00
<i>Subtotal, Technical Services</i>	<i>\$ 1,036.00</i>

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Coordination with Civil Site Group regarding Minneapolis residential development and BCWMC requirements; coordination with BKBM and contractor regarding Plymouth Medical Center; coordination and communication with resident regarding single family home near Medicine Lake; correspondence regarding 2012 project in City of Medicine Lake; communications regarding variance for site in Medicine Lake; and communications regarding Laurel Pond development .

James P. Herbert, Principal Engineer/Scientist	
5.2 hours @ \$165.00 per hour.....	\$ 858.00
Candice M. Kantor, Engineer/Scientist/Specialist I	
0.5 hours @ \$90.00 per hour	\$ 45.00
<i>Subtotal, Preliminary Site Review/Correspondence</i>	<i>\$ 903.00</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator and recorder regarding draft/final agenda and meeting packet for October 2014 meeting; prepare engineering budget review memo for October Commission meeting; review/edit draft September meeting minutes; prepare for October Commission meeting, including pre-meeting conference call with Chair de Lambert and

administrator to review meeting agenda; internal meeting regarding October Commission meeting; and provide grant tracking information to administrator.

James P. Herbert, Principal Engineer/Scientist	
7.9 hours @ \$165.00 per hour.....	\$ 1,303.50
Karen L. Chandler, Consultant/Advisor	
13.9 hours @ \$155.00 per hour.....	\$ 2,154.50
<i>Subtotal, Monthly Meeting Preparation.....</i>	<i>\$ 3,863.00</i>

TECH ANALYSIS (H&H, Etc.)

Communications with MDNR staff regarding BCWMC's 2013 comments on FEMA's draft Hennepin County FIS mapping; prepare for and attend October 24th meeting with MDNR staff to review BCWMC's comments, Sweeney Branch LOMR and model information, Plymouth Creek model information, and Otten Pond information; and provide follow-up information to MDNR staff.

Leonard J. Kremer, Principal Engineer/Scientist	
0.8 hours @ \$180.00 per hour.....	\$ 144.00
Karen L. Chandler, Consultant/Advisor	
2.2 hours @ \$155.00 per hour.....	\$ 341.00
Jennifer A. Koehler, Engineer/Scientist/Specialist II	
5.6 hours @ \$115.00 per hour.....	\$ 644.00
Michael B. McKinney, Engineer/Scientist/Specialist I	
0.6 hours @ \$80.00 per hour.....	\$ 48.00
<i>Subtotal, Tech Analysis (H&H, Etc.).....</i>	<i>\$ 1,177.00</i>

TAC MEETING PREPARATION

Prepare revised table of contents for Requirements document to reflect MIDS and buffer policies (for discussion at October 2nd TAC meeting; review proposed Bassett Creek dredging CIP project in Wirth Park; review proposed Crystal CIP project information; review BMP lifespan information in MN Stormwater Manual; ; review/edit TAC memo for October Commission meeting, and communications with administrator.

James P. Herbert, Principal Engineer/Scientist	
1.0 hours @ \$165.00 per hour.....	\$ 165.00
Jeffrey T. Lee, Principal Engineer/Scientist	
0.2 hours @ \$150.00 per hour.....	\$ 30.00
Karen L. Chandler, Consultant/Advisor	
8.8 hours @ \$155.00 per hour.....	\$ 1,364.00
<i>Subtotal, TAC Meeting Preparation.....</i>	<i>\$ 1,559.00</i>

Subtotal Technical Services..... **\$ 8,538.00**

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 do not require application fee.

Trustone Financial (2014-18)

Review revised grading, drainage, and erosion control plans; coordination with applicant and city staff; prepare and send approval letter to City of Golden Valley.

James P. Herbert, Principal Engineer/Scientist	
2.2 hours @ \$165.00 per hour.....	\$ 363.00
Candice M. Kantor, Engineer/Scientist/Specialist I	
3.2 hours @ \$90.00 per hour	\$ 288.00
<i>Subtotal, Trustone Financial</i>	<i>\$ 651.00</i>

Porsche of Minneapolis (2014-20)

Review revised grading, drainage and erosion control plans; coordination with applicant and Golden Valley staff; and prepare and send approval letter to Golden Valley.

James P. Herbert, Principal Engineer/Scientist	
4.4 hours @ \$165.00 per hour.....	\$ 726.00
Candice M. Kantor, Engineer/Scientist/Specialist I	
2.5 hours @ \$90.00 per hour	\$ 225.00
<i>Subtotal, Porsche of Minneapolis</i>	<i>\$ 951.00</i>

Serenity on Plymouth Creek (2014-22)

Review grading, drainage and erosion control plans; coordination with applicant and Plymouth staff; and prepare and send letter to city staff with review comments; review revised plans; prepare and send letter to city staff with review comments regarding revised plans; and meet with applicant and engineer.

James P. Herbert, Principal Engineer/Scientist	
5.4 hours @ \$165.00 per hour.....	\$ 891.00
Candice M. Kantor, Engineer/Scientist/Specialist I	
7.3 hours @ \$90.00 per hour	\$ 657.00
<i>Subtotal, Serenity on Plymouth Creek.....</i>	<i>\$ 1,548.00</i>

Markay Ridge Streambank Stabilization (2014-23)

Review construction plans for project; prepare review memo for October Commission meeting; coordination with HR Green; and prepare and send approval letter to Golden Valley.

James P. Herbert, Principal Engineer/Scientist	
2.9 hours @ \$165.00 per hour.....	\$ 478.50
Karen L. Chandler, Consultant/Advisor	
0.7 hours @ \$155.00 per hour	\$ 108.50
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
3.0 hours @ \$115.00 per hour	\$ 345.00
Candice M. Kantor, Engineer/Scientist/Specialist I	
7.0 hours @ \$90.00 per hour	\$ 630.00

Technicians/Administrative	\$	17.00
<i>Subtotal, Markay Ridge Streambank Stab</i>	<i>\$</i>	<i>1,579.00</i>

Plymouth City Flats (2014-24)

Review grading, drainage and erosion control plans; coordination with applicant and Plymouth staff; prepare review memo for October Commission meeting; and prepare and send letter to city staff with review comments.

James P. Herbert, Principal Engineer/Scientist		
3.1 hours @ \$165.00 per hour.....	\$	511.50
Karen L. Chandler, Consultant/Advisor		
0.8 hours @ \$155.00 per hour	\$	124.00
Candice M. Kantor, Engineer/Scientist/Specialist I		
6.9 hours @ \$90.00 per hour	\$	621.00
<i>Subtotal, Plymouth City Flats</i>	<i>\$</i>	<i>1,256.50</i>

1-GV-461 Relief Lift Station (2014-25)

Review grading, drainage and erosion control plans; coordination with applicant and Golden Valley staff; and prepare and send letter to city staff with review comments.

James P. Herbert, Principal Engineer/Scientist		
1.8 hours @ \$165.00 per hour.....	\$	297.00
Candice M. Kantor, Engineer/Scientist/Specialist I		
2.0 hours @ \$90.00 per hour	\$	180.00
Technicians/Administrative	\$	42.50
<i>Subtotal, 1-GV-461 Relief Lift Station</i>	<i>\$</i>	<i>519.50</i>

Golden Valley Senior Living (2014-26)

Review revised grading, drainage, and erosion control plans for phase 1 of project (soil correction and erosion control), coordination with Civil Site Group and Golden Valley staff; prepare and send letter to city staff with review comments; review revised phase 1 plans; and send approval letter to Golden Valley.

James P. Herbert, Principal Engineer/Scientist		
4.9 hours @ \$165.00 per hour.....	\$	808.50
Candice M. Kantor, Engineer/Scientist/Specialist I		
3.5 hours @ \$90.00 per hour	\$	315.00
Technicians/Administrative	\$	85.00
<i>Subtotal, Golden Valley Senior Living</i>	<i>\$</i>	<i>1,208.50</i>

<i>Subtotal Plat Review.....</i>	<i>\$</i>	<i>7,713.50</i>
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COMMISSION AND TAC MEETINGS

Attend October 2nd TAC meeting, October 8th Commission workshop, October 16th Commission meeting; and October 20th Plan Steering Committee meeting.

James P. Herbert, Principal Engineer/Scientist 4.0 hours @ \$165.00 per hour.....	\$ 660.00
Karen L. Chandler, Consultant/Advisor 11.4 hours @ \$155.00 per hour	\$ 1,767.00
Expenses (Mileage)	\$ 8.40
<i>Subtotal, Commission and TAC Meetings</i>	<i>\$ 2,435.40</i>

WATER QUALITY/MONITORING

Review posted BWSR Snapshots article regarding Wirth Lake and email to administrator; and follow-up on bacteria TMDL meeting. Twin and Sweeney Lake 2014 monitoring: review, tabulate and graph water quality sampling lab results to-date; and review and enter lab report (and revised lab report) into system.

Henry M. Runke, Principal Engineer/Scientist 0.5 hours @ \$170.00 per hour.....	\$ 85.00
Gregory J. Wilson, Engineer/Scientist/Specialist III 2.0 hours @ \$145.00 per hour.....	\$ 290.00
Technicians/Administrative	\$ 239.50
<i>Subtotal, Water Quality/Monitoring.....</i>	<i>\$ 614.50</i>

WATER QUANTITY

Measure and review lake level elevations as part of the lake-gauging program.

Technicians/Administrative	\$ 1,080.00
Expenses (Mileage/2WD vehicle)	\$ 160.12
<i>Subtotal, Water Quantity</i>	<i>\$ 1,240.12</i>

DOUBLE BOX CULVERT INSPECTION

Inspection coordination.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$165.00 per hour.....	\$ 165.00
<i>Subtotal, Double Box Culvert Inspection</i>	<i>\$ 165.00</i>

TOTAL ENGINEERING\$ 20,706.52

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Expenses (postage)	\$ 1.44
TOTAL SECRETARIAL SERVICES EXPENSES	\$ 1.44

PLANNING

NEXT GENERATION PLAN

Update Plan policies per discussion at the August 25 Plan Steering Committee meeting; prepare recreation matrix and other materials for the October 8 Plan workshop; attend October 8 Plan workshop; incorporate feedback from workshop into draft Plan Section 4 (Goals and Policies) and Section 5 (Implementation); update the draft CIP table (Table 5-3), including cost estimates for implementation items from Sweeney Lake and Wirth Lake TMDLs; update Section 5 to incorporate feedback from the City of Minneapolis and information provided by BCWMC legal counsel; prepare and distribute packet materials (including website update) for to the October 20 Plan Steering Committee meeting; attend the October 20 Plan Steering Committee meeting; develop Section 1 (Introduction) and Section 3 (Assessment of Issues and Opportunities) of the Plan; revise Plan sections per BCWMC Administrator review; discuss Plan distribution schedule and strategy for November 19 Commission meeting with BCWMC Administrator; communications with Minneapolis staff and Commissioner Welch regarding comments on Section 5 (Implementation); communications with Commission attorney; and review and edit draft minutes from September 22 PSC meeting and the October 8 Commission workshop.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$165.00 per hour.....	\$ 165.00
Karen L. Chandler, Consultant/Advisor 24.8 hours @ \$155.00 per hour.....	\$ 3,844.00
Gregory J. Wilson, Engineer/Scientist/Specialist III 1.0 hours @ \$145.00 per hour.....	\$ 145.00
Sterling G. Williams, Engineer/Scientist/Specialist II 45.2 hours @ \$115.00 per hour.....	\$ 5,198.00
Amy R. Meulebroeck, Engineer/Scientist/Specialist II 0.2 hours @ \$95.00 per hour	\$ 19.00
Joshua R. Vosejpka, Engineer/Scientist/Specialist I 0.5 hours @ \$70.00 per hour	\$ 35.00
Technicians/Administrative	\$ 125.50
Expenses (postage)	\$ 225.74
<i>Subtotal, Next Generation Plan</i>	<i>\$ 9,757.24</i>

TOTAL PLANNING (Next Generation Plan)\$ 9,757.24

PLANNING (Funded through Flood Control Project Long-term Maintenance Funds)

TOTAL PLANNING (Maintenance Funds).....\$ 0.00

ANNUAL REPORT

TOTAL ANNUAL REPORT.....\$ 0.00

PUBLIC COMMUNICATIONS

TOTAL PUBLIC COMMUNICATIONS	\$ 0.00
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WEBSITE

TOTAL WEBSITE	\$ 0.00
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WATERSHED OUTLET MONITORING PROGRAM (WOMP)

TOTAL WOMP	\$ 0.00
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CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

CEDAR LAKE ROAD TO GOLDEN VALLEY ROAD, 2012 MAIN STEM (2012 CR)

Review final plans; communications with administrator and MPRB consultant; and prepare and send approval letter to MPRB staff.

Karen L. Chandler, Consultant/Advisor	
1.3 hours @ \$155.00 per hour	\$ 201.50
<i>Subtotal, Cedar Lk Rd to Golden Valley Rd, 2012 Main Stem</i>	<i>\$ 201.50</i>

HONEYWELL POND EXPANSION (2016) (BC-4)

Review revised draft feasibility study; communications with city's consultant regarding comments and modeling of treatment alternatives; prepare memo for October Commission meeting regarding draft feasibility study and review comments; review/revise Commission's future costs for Honeywell Pond project in preparation for Commission meeting; communications with administrator, and prepare and send letter to Golden Valley regarding Commission review of draft feasibility study.

Karen L. Chandler, Consultant/Advisor	
8.0 hours @ \$155.00 per hour	\$ 1,240.00
Jennifer A. Koehler, Engineer/Scientist/Specialist II	
6.3 hours @ \$115.00 per hour	\$ 724.50
<i>Subtotal, Honeywell Pond Expansion</i>	<i>\$ 1,964.50</i>

NORTHWOOD LAKE IMPROVEMENT PROJECTS (2016)(NL-1)

Review revised draft feasibility study; and communications with New Hope's consultant.

Karen L. Chandler, Consultant/Advisor	
0.4 hours @ \$155.00 per hour	\$ 62.00
Jennifer A. Koehler, Engineer/Scientist/Specialist II	
1.3 hours @ \$115.00 per hour	\$ 149.50
<i>Subtotal, Northwood Lake Improvement Projects.....</i>	<i>\$ 211.50</i>

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 2,377.50

CAPITAL IMPROVEMENT PROJECTS (Funded through Flood Control Project Long-term Maintenance Funds)
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**TOTAL CAPITAL IMPROVEMENT PROJECTS
(Maintenance Funds)\$ 0.00**

TMDL WORK

TMDL IMPLEMENTATION REPORTING

TMDL reporting: review and comment on MPCA's Draft TMDL Implementation Reporting form.

Gregory J. Wilson, Engineer/Scientist/Specialist III

2.5 hours @ \$145.00 per hour.....\$ 362.50

Subtotal, TMDL Studies.....\$ 362.50

TOTAL TMDL STUDIES\$ 362.50

SUMMARY TOTALS

Total Engineering\$ 20,706.52

Total Secretarial Services Expenses.....\$ 1.44

Total Planning (Next Generation Plan)\$ 9,757.24

Total Planning (Maintenance Funds)\$ 0.00

Total Annual Report/Website/Public Communications\$ 0.00

Total WOMP\$ 0.00

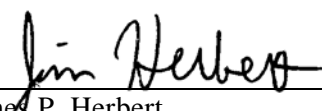
Total Capital Improvement Projects (Tax Levy)\$ 2,377.50

Total Capital Improvement Projects (Maintenance Funds).....\$ 0.00

Total TMDL Studies.....\$ 362.50

TOTAL PAYABLE\$ 33,205.20

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



James P. Herbert