



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

Page # 1
Invoice # 23270051-2013 - 8
Project # 23/27-0051
Client # 59
October 4, 2013

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
August 31, 2013 through September 27, 2013

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, Commission attorney, recording administrator, watershed communities and interested citizens; coordination with administrator regarding post-meeting tasks; phone call to BWSR staff regarding 2014 grant application budgeting; updated Bassett Creek map; communications with administrator regarding budget, prepared for and participated in September 4 BCWMC budget committee meeting via conference call, internal discussion regarding work tasks stemming from budget committee meeting; responded to administrator questions regarding mediation; provided information to Golden Valley consultant regarding 2015 Main Stem CIP project; email from BWSR regarding restoration evaluation of 2010 grant projects and provided 2010 grant documentation to administrator for project audit; communications with WMWA staff regarding watershed map; provided BCWMC standards information to St. Louis Park staff; staff discussion regarding potential modifications to Medicine Lake outlet and communications with DNR staff and administrator regarding Medicine Lake issues and water level measurements.

James P. Herbert, Principal Engineer/Scientist 1.5 hours @ \$160.00 per hour.....	\$ 240.00
Karen L. Chandler, Engineer/Scientist/Specialist III 10.6 hours @ \$150.00 per hour.....	\$ 1,590.00
Amy R. Mikus, Engineer/Scientist/Specialist I 3.5 hours @ \$85.00 per hour	\$ 297.50
Joshua R. Vosejpka, Engineer/Scientist/Specialist I 0.5 hours @ \$65.00 per hour	\$ 32.50
Technicians/Administrative	\$ 297.50
<i>Subtotal, Technical Services</i>	<i>\$ 2,457.50</i>

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments and review requirements; provided watershed hydraulic information, flood profiles and BCWMC development requirements to

applicants; phone call with WSB regarding Glenwood Englewood site in Minneapolis; coordination with Wenck regarding proposed bridge replacement across Bassett Creek.

James P. Herbert, Principal Engineer/Scientist	
1.3 hours @ \$160.00 per hour.....	\$ 208.00
<i>Subtotal, Preliminary Site Review/Correspondence</i>	<i>\$ 208.00</i>

MONTHLY MEETING PREPARATION

Reviewed draft BCWMC meeting minutes, agenda and packet materials and discussed comments with administrator; internal meetings, and communications/coordination with administrator and recording administrator regarding agenda, task list and meeting packet for September 2013 meeting; pre-meeting conference call with administrator; communications with administrator regarding actions for agenda items; discussion regarding October meeting agenda items.

James P. Herbert, Principal Engineer/Scientist	
5.9 hours @ \$160.00 per hour.....	\$ 944.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
11.3 hours @ \$150.00 per hour.....	\$ 1,695.00
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 2,639.00</i>

TAC MEETING PREPARATION

Communications with administrator and TAC members regarding October TAC agenda and meeting date; reviewed and edited administrator's draft TAC agenda and materials for October TAC meeting; staff meeting regarding XP SWMM model memo and preparation of revised XP SWMM memo for TAC review.

James P. Herbert, Principal Engineer/Scientist	
0.8 hours @ \$160.00 per hour.....	\$ 128.00
Karen L. Chandler, Engineer/Scientist/Specialist III	
4.4 hours @ \$150.00 per hour.....	\$ 660.00
Rita W. Weaver, Engineer/Scientist/Specialist II	
3.0 hours @ \$120.00 per hour.....	\$ 360.00
<i>Subtotal, TAC Meeting Preparation.....</i>	<i>\$ 1,148.00</i>

<i>Subtotal Technical Services.....</i>	<i>\$ 6,452.50</i>
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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.

SW LRT

Communications regarding WCA LGU listing.

Karen L. Chandler, Engineer/Scientist/Specialist III
1.0 hours @ \$150.00 per hour\$ 150.00
Subtotal, SW LRT\$ 150.00

Three Nine Four Apt and Senior Care (2013-12)

Coordination with applicant.

James P. Herbert, Principal Engineer/Scientist
0.5 hours @ \$160.00 per hour\$ 80.00
Subtotal, Three Nine Four Apt and Sr Care\$ 80.00

Golden Valley Lutheran Church Addition

Coordination with applicant and City staff; reviewed revised grading, drainage and erosion control plans; prepared letter of approval to City of Golden Valley.

James P. Herbert, Principal Engineer/Scientist
0.3 hours @ \$160.00 per hour\$ 48.00
Rita W. Weaver, Engineer/Scientist/Specialist II
2.0 hours @ \$120.00 per hour\$ 240.00
Subtotal, Golden Valley Lutheran Church Addition\$ 288.00

Culvers Restaurant (2013-24)

Coordination with applicant and City staff; reviewed revised grading, drainage and erosion control plans; prepared letter of approval to City of Golden Valley.

Rita W. Weaver, Engineer/Scientist/Specialist II
1.2 hours @ \$120.00 per hour\$ 144.00
Technicians/Administrative\$ 24.00
Subtotal, Culvers Restaurant (2013-24)\$ 168.00

TH 394 Ent Ramp at Ridgedale (2013-26)

Coordination with applicant and City staff; review of grading, drainage and erosion control plans; prepared letter of approval to City of Minnetonka.

James P. Herbert, Principal Engineer/Scientist
1.0 hours @ \$160.00 per hour\$ 160.00
Rita W. Weaver, Engineer/Scientist/Specialist II
4.6 hours @ \$120.00 per hour\$ 552.00
Subtotal, TH 394 Ent Ramp at Ridgedale (2013-26)\$ 712.00

General Mills JFBTC W5 Expansion (2013-28)

Coordination with applicant and City staff; reviewed revised grading, drainage and erosion control plans; prepared letter of approval to City of Golden Valley.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$160.00 per hour	\$ 80.00
Rita W. Weaver, Engineer/Scientist/Specialist II 3.2 hours @ \$120.00 per hour	\$ 384.00
Technicians/Administrative	\$ 24.00
<i>Subtotal, General Mills JFBTC W5 Expansion</i>	<i>\$ 488.00</i>

Plymouth City Center Medical Building (2013-29)

Coordination with applicant and City staff; preliminary review of grading, drainage and erosion control plans for project in the City of Plymouth.

Rita W. Weaver, Engineer/Scientist/Specialist II 1.3 hours @ \$120.00 per hour	\$ 156.00
Technicians/Administrative	\$ 40.00
<i>Subtotal, Plymouth City Center Medical Building</i>	<i>\$ 196.00</i>

Golden Valley Road – Parking Lot Repair (2013-30)

Coordination with applicant and City staff; review of grading, drainage and erosion control plans for project in the City of Golden Valley.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$160.00 per hour	\$ 160.00
Rita W. Weaver, Engineer/Scientist/Specialist II 3.2 hours @ \$120.00 per hour	\$ 384.00
Technicians/Administrative	\$ 64.00
<i>Subtotal, Golden Valley Road – Parking Lot Repair</i>	<i>\$ 608.00</i>

Subtotal Plat Review ***\$ 2,690.00***

COMMISSION AND TAC MEETINGS

Attended September 19th Commission meeting, and September 16th and 23rd Steering Committee meetings.

Karen L. Chandler, Engineer/Scientist/Specialist III 9.3 hours @ \$150.00 per hour	\$ 1,395.00
<i>Subtotal, Commission Meetings</i>	<i>\$ 1,395.00</i>

WATER QUALITY MONITORING

Reviewed MPCA's recommended chloride impairment listings for BCWMC, attended September 19 meeting at MPCA to ask questions and provide comments regarding preliminary impairment listings for chloride in Bassett Creek water bodies, and communications with administrator and with internal staff regarding chloride listings and concerns in BCWMC; Wirth Lake delisting discussion; 2013 monitoring program for Northwood Lake, and North and South Rice Ponds, including QA/QC review

of phytoplankton, algae and zooplankton samples, analytical results entry and verification of calculated summer average water quality in EQUIS, and prepared plant maps from August aquatic plant surveys at Northwood Lake and North and South Rice Pond.

Henry M. Runke, Principal Engineer/Scientist 0.5 hours @ \$170.00 per hour	\$ 85.00
Karen L. Chandler, Engineer/Scientist/Specialist III 3.6 hours @ \$150.00 per hour	\$ 540.00
Gregory J. Wilson, Engineer/Scientist/Specialist III 8.0 hours @ \$145.00 per hour	\$ 1,160.00
Kelly A. Wild, Engineer/Scientist/Specialist I 1.3 hours @ \$75.00 per hour	\$ 97.50
Shelly M. Thompson, Engineer/Scientist/Specialist I 2.1 hours @ \$75.00 per hour	\$ 157.50
Technicians/Administrative	\$ 935.00
Expenses (Braun Intertec/mileage/2WD vehicle/turbidimeter/canoe/ water quality meter)	\$ 1,241.09
<i>Subtotal, Water Quality Monitoring</i>	\$ 4,216.09

WATER QUANTITY

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

Technicians/Administrative	\$ 680.00
Expenses (Mileage/2WD vehicle)	\$ 103.76
<i>Subtotal, Water Quantity</i>	\$ 783.76

WATERSHED INSPECTION

<i>Subtotal, Watershed Inspection</i>	\$ 0.00
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ANNUAL FLOOD CONTROL PROJECT INSPECTIONS

Bassett Creek Park Pond Sediment Survey:

Internal communications; reviewed pond depth maps and pond bathymetry GIS files; prepared draft existing conditions bathymetric contour figure.

Margaret R. Rattei, Engineer/Scientist/Specialist II 0.2 hours @ \$120.00 per hour	\$ 24.00
Joshua R. Vosejpka, Engineer/Scientist/Specialist I 0.7 hours @ \$65.00 per hour	\$ 45.50
<i>Subtotal, Annual Flood Control Project Inspections</i>	\$ 69.50

TOTAL ENGINEERING\$ 15,606.85

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Administrative expenses requested by Amy Herbert including: copies, color copies for meeting packet; postage; copied and assembled packet materials for September 2013 meeting.

Technicians/Administrative	\$	16.00
Expenses (B&W/color copies/postage)	\$	<u>159.16</u>

TOTAL SECRETARIAL SERVICES EXPENSES\$ 175.16

PLANNING

NEXT GENERATION PLAN

Coordination and communications with administrator regarding plan tasks and Steering Committee meeting agenda; internal staff meeting to prioritize issues for Steering Committee meeting; prepared memo regarding policy status for Steering Committee meeting; prepared Steering Committee minutes and goals for Commission meeting; prepared for and attended Steering Committee meeting to discuss policies; prioritize remaining goals for discussion; prepared water quality and lake level plots for plan update; prepared water quality and lake level sample figures for Crane Lake; internal meeting to discuss water quality summary for lakes with multiple sampling stations, prepared water quality summary based on station for Sweeney and Medicine; spreadsheet updates and generated all final total phosphorus, Secchi disk, and chlorophyll figures; prepared PDFs of all figures.

Karen L. Chandler, Engineer/Scientist/Specialist III 3.3 hours @ \$150.00 per hour.....	\$	495.00
Sterling G. Williams, Engineer/Scientist/Specialist II 11.6 hours @ \$110.00 per hour.....	\$	1,276.00
Jennifer A. Koehler, Engineer/Scientist/Specialist II 3.5 hours @ \$110.00 per hour.....	\$	385.00
Margaret R. Rattei, Engineer/Scientist/Specialist II 1.0 hours @ \$120.00 per hour.....	\$	120.00
Michael B. McKinney, Engineer/Scientist/Specialist I 21.3 hours @ \$75.00 per hour.....	\$	<u>1,597.50</u>
<i>Subtotal, Next Generation Plan</i>	<i>\$</i>	<i>3,873.50</i>

TOTAL PLANNING\$ 3,873.50

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)

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

Coordination with MCES; provided WOMP radar information for programming the datalogger.

Christopher J. Bonick, Engineer/Scientist/Specialist II

1.0 hours @ \$110.00 per hour.....	\$ 110.00
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<i>Subtotal, Watershed Outlet Monitoring Program.....</i>	<i>\$ 110.00</i>
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TOTAL WOMP	\$ 110.00
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CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

FOUR SEASON MALL AREA WATER QUALITY PROJECT (NL-2)

Coordination with administrator and City of Plymouth staff regarding Four Seasons Mall Project; reviewed 90% design drawings and prepared comments; prepared BCWMC memorandum; communications with Plymouth staff regarding project and presentation at BCWMC meeting; reviewed site; preparation for BCWMC meeting; prepared letter of recommendation to City of Plymouth; coordination with administrator and City of Plymouth staff regarding the Lancaster Lane Diversion Project; prepared map for Lancaster Lane diversion project; prepared memo for September Commission meeting regarding Lancaster Lane Diversion Project.

James P. Herbert, Principal Engineer/Scientist

3.7 hours @ \$160.00 per hour.....	\$ 1,296.00
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Karen L. Chandler, Engineer/Scientist/Specialist III

14.8 hours @ \$150.00 per hour	\$ 2,085.00
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Rita W. Weaver, Engineer/Scientist/Specialist II

2.9 hours @ \$120.00 per hour	\$ 804.00
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Jeffrey D. Weiss, Engineer/Scientist/Specialist II

10.5 hours @ \$110.00 per hour	\$ 385.00
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Joshua R. Vosejpka, Engineer/Scientist/Specialist I

1.0 hours @ \$65.00 per hour	\$ 45.50
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Amy R. Mikus, Engineer/Scientist/Specialist I
4.0 hours @ \$85.00 per hour.....\$ 340.00
Subtotal, Four Season Mall Pond NB-07 (NL-2).....\$ 4,720.00

WIRTH LAKE OUTLET MODIFICATION (WTH-4)

Updated eLINK grant tracking spreadsheet; communications with BWSR staff.

Amy R. Mikus, Engineer/Scientist/Specialist I
3.5 hours @ \$85.00 per hour\$ 297.50
Subtotal, Wirth Lake Outlet Modification (WTH-4).....\$ 297.50

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

Coordination and communications with administrator, applicant and MPRB consultant; staff meetings to discuss project review and conditions of approval; reviewed 50% design drawings and prepared comments; prepared BCWMC memorandum for September Commission meeting; communications with Commissioner Welch regarding 50% design plans; prepared letter of recommendation to MPRB, City of Golden Valley and City of Minneapolis; phone call with BWSR staff regarding BWSR grant.

James P. Herbert, Principal Engineer/Scientist
3.0 hours @ \$160.00 per hour.....\$ 480.00
Karen L. Chandler, Engineer/Scientist/Specialist III
9.6 hours @ \$150.00 per hour\$ 1,440.00
Gregory J. Wilson, Engineer/Scientist/Specialist III
0.5 hours @ \$145.00 per hour\$ 72.50
Rita W. Weaver, Engineer/Scientist/Specialist II
4.4 hours @ \$120.00 per hour\$ 528.00
Jeffrey D. Weiss, Engineer/Scientist/Specialist II
7.1 hours @ \$110.00 per hour\$ 781.00
Amy R. Mikus, Engineer/Scientist/Specialist I
0.5 hours @ \$85.00 per hour\$ 42.50
Subtotal, Cedar Lk Rd to Golden Valley Rd, 2012 Main Stem\$ 3,344.00

SCHAPER POND ENHANCEMENT (SL-3)

Communications with administrator; internal meeting and call to administrator to prepare for and attend the September 9, 2013 public agency pre-permit meeting including developing agenda, strategy, and meeting materials; prepared for and attended September 9, 2013 pre-permit meeting with DNR, MPCA and Golden Valley staff; follow-up discussions with staff; prepared tax levy recommendation memo for September Commission meeting; staff meetings regarding water quality impacts of project; call to Golden Valley staff regarding wetland impacts of project; reviewed and edited September 9 pre-permit meeting notes; email to Hennepin County staff regarding tax levy; coordination regarding performance of MNRAM on Schaper Pond; prepared draft memo regarding water quality impacts of Schaper Pond project; revised proposed concept drawing.

Leonard J. Kremer, Principal Engineer/Scientist
5.7 hours @ \$180.00 per hour.....\$ 1,026.00

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$160.00 per hour.....	\$ 160.00
Karen L. Chandler, Engineer/Scientist/Specialist III 16.0 hours @ \$150.00 per hour	\$ 2,400.00
Keith M. Pilgrim, Engineer/Scientist/Specialist III 10.0 hours @ \$140.00 per hour	\$ 1,400.00
Karen S. Wold, Engineer/Scientist/Specialist II 0.2 hours @ \$105.00 per hour	\$ 21.00
Joshua R. Vosejka, Engineer/Scientist/Specialist I 0.5 hours @ \$65.00 per hour	\$ 32.50
Brian K. Burgner, Engineer/Scientist/Specialist I 0.7 hours @ \$80.00 per hour	\$ 56.00
Technicians/Administrative	\$ 23.00
Expenses (Mileage)	\$ 24.86
<i>Subtotal, Schaper Pond Enhancement.....</i>	<i>\$ 5,143.36</i>

TWIN LAKE ALUM TREATMENT PROJECT (TW-2)

Communications with administrator regarding levy request; reviewed DNR draft fisheries report and discussed results with administrator; prepared tax levy recommendation memo for September Commission meeting; staff meeting regarding design and construction costs, water quality conditions and lake dynamics.

Karen L. Chandler, Engineer/Scientist/Specialist III 3.4 hours @ \$150.00 per hour	\$ 510.00
<i>Subtotal, Twin Lake Alum Treatment Project (TW-2).....</i>	<i>\$ 510.00</i>

BRIARWOOD-DAWNVIEW POND (BC-7)

Coordination with administrator regarding levy request; prepared tax levy recommendation memo for September Commission meeting; call from Hennepin County staff regarding tax levy; prepared write-up regarding grant application for administrator's memo; revised grant application, prepared site layout map and determined project costs and local share; reviewed cooperative agreement for project.

Karen L. Chandler, Engineer/Scientist/Specialist III 7.0 hours @ \$150.00 per hour	\$ 1,050.00
Amy R. Mikus, Engineer/Scientist/Specialist I 10.0 hours @ \$85.00 per hour	\$ 850.00
Joshua R. Vosejka, Engineer/Scientist/Specialist I 1.2 hours @ \$65.00 per hour	\$ 78.00
<i>Subtotal, Briarwood-Dawnview Pond (BC-7)</i>	<i>\$ 1,978.00</i>

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 15,992.86

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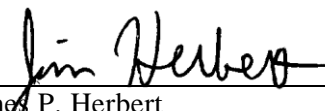
TMDL STUDIES

TOTAL TMDL STUDIES	\$	0.00
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SUMMARY TOTALS

Total Engineering	\$	15,606.85
Total Secretarial Services Expenses.....	\$	175.16
Total Planning	\$	3,873.50
Total Annual Report/Website/Public Communications	\$	0.00
Total WOMP	\$	110.00
Total Capital Improvement Projects (Tax Levy)	\$	15,992.86
Total Capital Improvement Projects (Maintenance Funds).....	\$	0.00
Total TMDL Studies.....	\$	0.00
TOTAL PAYABLE	\$	35,758.37

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