



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

Page # 1
Invoice # 23270051-2014-2
Project # 23/27-0051
Client # 59
April 4, 2014

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
March 1, 2014 through March 28, 2014

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, recording administrator, Commission counsel, watershed communities and interested citizens; communications with Plymouth staff regarding 2014 BCWMC monitoring; communications with administrator; respond to MPRB question regarding snowmelt modeling of the watershed; communications with administrator and TRPD regarding status of Medicine Lake TMDL; provide map of high and low elevations to Ted Hoshal for map project; review BWSR's 2017-2018 biennial budget review (BBR) requirements and guidance and compare with BCWMC's 2012 BBR submittal (for 2014-2015), and provide BBR information to administrator; call from Hennepin County staff regarding 2015 CIP project process; attend March 21 MPCA meeting regarding Watershed Accountability Act update; communications with administrator regarding 2016-2020 CIP and next steps for 2016 projects, and revise 2016 – 2020 CIP map and CIP table; estimate costs for more-detailed NASSCO inspection of double box culvert in 2014; prepare preliminary 2015 budgeting, including internal meeting and cost estimates for lake water quality and biotic index monitoring, flood control project inspection, plat reviews, and other technical services; review communication from the Corps of Engineers about recommended actions for flood control project control elevations.

James P. Herbert, Principal Engineer/Scientist 4.6 hours @ \$165.00 per hour.....	\$ 759.00
Karen L. Chandler, Consultant/Advisor 29.8 hours @ \$155.00 per hour.....	\$ 4,619.00
Gregory J. Wilson, Engineer/Scientist/Specialist III 2.0 hours @ \$145.00 per hour.....	\$ 290.00
Margaret R. Rattei, Engineer/Scientist/Specialist II 15.0 hours @ \$120.00 per hour.....	\$ 1,800.00
Joel N. Swenson, Engineer/Scientist/Specialist II 7.0 hours @ \$120.00 per hour.....	\$ 840.00

Amy R. Mikus, Engineer/Scientist/Specialist I	
1.0 hours @ \$85.00 per hour	\$ 85.00
Joshua R. Vosejka, Engineer/Scientist/Specialist I	
3.3 hours @ \$70.00 per hour	\$ 231.00
Technicians/Administrative	\$ 323.50
<i>Subtotal, Technical Services</i>	<i>\$ 8,947.50</i>

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Communications with applicant and Golden Valley staff regarding proposed project in city; communications and coordination with applicant for site in Plymouth; communications regarding Ridgedale Center project.

James P. Herbert, Principal Engineer/Scientist	
2.5 hours @ \$165.00 per hour	\$ 412.50
Karen L. Chandler, Consultant/Advisor	
0.2 hours @ \$155.00 per hour	\$ 31.00
<i>Subtotal, Preliminary Site Review/Correspondence</i>	<i>\$ 443.50</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator and recording administrator regarding agenda and meeting packet for March 2014 meeting; review and edit draft February Commission meeting minutes and email to administrator; prepare memo for March meeting regarding Commission involvement in CIP projects and final project reporting, and discuss with administrator; review agenda memo; prepare for March Commission meeting, including meeting/conference call with administrator and Chair de Lambert regarding meeting agenda; provide grant tracking information to administrator; communications with administrator regarding post-meeting action items; and internal meeting regarding March Commission meeting.

James P. Herbert, Principal Engineer/Scientist	
12.0 hours @ \$165.00 per hour	\$ 1,980.00
Karen L. Chandler, Consultant/Advisor	
24.9 hours @ \$155.00 per hour	\$ 3,859.50
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 5,839.50</i>

TAC MEETING PREPARATION

Prepare for March 7 TAC meeting, review draft TAC memo for March Commission meeting; communications and meeting with administrator regarding TAC meeting date and agenda; meeting with Commissioner Hoschka and Golden Valley staff regarding XP-SWMM details.

Karen L. Chandler, Consultant/Advisor	
4.3 hours @ \$155.00 per hour	\$ 666.50
Rita W. Weaver, Engineer/Scientist/Specialist III	
4.2 hours @ \$125.00 per hour	\$ 525.00
<i>Subtotal, TAC Meeting Preparation</i>	<i>\$ 1,191.50</i>

Subtotal Technical Services **\$ 16,422.00**

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.

W Medicine Lake Drive Retaining Wall (2013-25)

Review status of application/project and call applicant; review applicant's updated plans and write/send approval letter.

James P. Herbert, Principal Engineer/Scientist	
1.5 hours @ \$165.00 per hour	\$ 247.50
Rita W. Weaver, Engineer/Scientist/Specialist III	
1.9 hours @ \$125.00 per hour	\$ 237.50
<i>Subtotal, W Medicine Lake Drive Retaining Wall</i>	<i>\$ 485.00</i>

Room & Board Parking Lot Add'n (2013-32)

Communications with applicant regarding planting requirements at project site.

Rita W. Weaver, Engineer/Scientist/Specialist III	
0.4 hours @ \$125.00 per hour	\$ 50.00
<i>Subtotal, Room & Board Parking Lot Add'n</i>	<i>\$ 50.00</i>

LCA 3200 Harbor Lane N (2013-33)

Review applicant's updated P8 model, and communications with applicant regarding review comments.

Rita W. Weaver, Engineer/Scientist/Specialist III	
0.6 hours @ \$125.00 per hour	\$ 75.00
<i>Subtotal, LCA 3200 Harbor Lane North</i>	<i>\$ 75.00</i>

Push Interactive Redevelopment (2013-34)

Prepare for and attend meeting with applicant to discuss site options, communications with applicant, and internal meeting.

James P. Herbert, Principal Engineer/Scientist	
1.5 hours @ \$165.00 per hour	\$ 247.50
Karen L. Chandler, Consultant/Advisor	
0.2 hours @ \$155.00 per hour	\$ 31.00
Rita W. Weaver, Engineer/Scientist/Specialist III	
2.7 hours @ \$125.00 per hour	\$ 337.50
<i>Subtotal, Push Interactive Redevelopment</i>	<i>\$ 616.00</i>

GV Golf & CC Pedestrian Bridge (2014-01)

Communications and coordination with applicant regarding final plans.

James P. Herbert, Principal Engineer/Scientist	
1.0 hours @ \$165.00 per hour	\$ 165.00

Rita W. Weaver, Engineer/Scientist/Specialist III
0.6 hours @ \$125.00 per hour\$ 75.00
Subtotal, GV Golf & CC Pedestrian Bridge\$ 240.00

Kingsview Heights 5th Addn (2014-03)

Communications with city and applicant; review applicant's grading, drainage, and erosion control plans; and prepare letter of recommendation to City of Plymouth.

Rita W. Weaver, Engineer/Scientist/Specialist III
4.6 hours @ \$125.00 per hour\$ 575.00
Subtotal, Kingsview Heights 5th Addn\$ 575.00

Ridgedale Center Expansion Phase 2 (2014-04)

Plat review set up.

Technicians/Administrative\$ 42.50
Subtotal, Golden Valley 2014 PMP.....\$ 42.50

Subtotal Plat Review.....\$ 2,083.50

COMMISSION AND TAC MEETINGS

Attend March 20th Commission meeting, March 10th and 24th Plan Steering Committee meetings and March 6th TAC meeting.

Karen L. Chandler, Consultant/Advisor
11.9 hours @ \$155.00 per hour\$ 1,844.50
Rita W. Weaver, Engineer/Scientist/Specialist III
2.8 hours @ \$125.00 per hour\$ 350.00
Subtotal, Commission Meetings.....\$ 2,194.50

SURVEYS AND STUDIES

Medicine Lake Stakeholder Meeting: Prepare for and attend March stakeholder meeting, including final edits to presentation regarding hydrology, hydraulics and floodplain impacts, communications with administrator, and revising XP SWMM to estimate flood level on Medicine Lake with Atlas 14 precipitation values.

Karen L. Chandler, Consultant/Advisor
9.7 hours @ \$155.00 per hour.....\$ 1,503.50
Rita W. Weaver, Engineer/Scientist/Specialist III
1.6 hours @ \$125.00 per hour\$ 200.00
Jennifer A. Koehler, Engineer/Scientist/Specialist II
0.3 hours @ \$115.00 per hour\$ 34.50
Joshua R. Vosejpka, Engineer/Scientist/Specialist I
2.7 hours @ \$70.00 per hour\$ 189.00
Subtotal, Surveys and Studies\$ 1,927.00

WATER QUALITY MONITORING

Update trend analysis for Northwood Lake; prepare tables, figures and text for report on 2013 monitoring program for Northwood Lake, and North and South Rice Ponds.

Margaret R. Rattei, Engineer/Scientist/Specialist II	
59.6 hours @ \$120.00 per hour.....	\$ 7,152.00
Christopher J. Bonick, Engineer/Scientist/Specialist II	
2.5 hours @ \$115.00 per hour.....	\$ 287.50
Joshua R. Vosejka, Engineer/Scientist/Specialist I	
0.7 hours @ \$70.00 per hour	\$ 49.00
Technicians/Administrative	\$ 1,599.50
<i>Subtotal, Water Quality Monitoring.....</i>	<i>\$ 8,385.00</i>

WATER QUANTITY

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

Technicians/Administrative	\$ 450.00
Expenses (Mileage/2WD vehicle).....	\$ 54.12
<i>Subtotal, Water Quantity</i>	<i>\$ 504.12</i>

TOTAL ENGINEERING\$ 31,516.12

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Technicians/Administrative	\$ 12.00
Expenses (Postage/color and B&W prints).....	\$ 58.62

TOTAL SECRETARIAL SERVICES EXPENSES\$ 70.62

PLANNING

NEXT GENERATION PLAN

Review and edit March 10 Plan Steering Committee meeting notes; prepare figures for Plan document; communications and coordination with administrator regarding materials for March 10 Plan Steering Committee meeting, meetings with administrator regarding March 24 Plan Steering Committee meeting and Commission workshop agenda items; review/revise water quality, flooding and rate control, erosion and sediment control, and groundwater policies, including revisions to reflect MIDS; communications with administrator regarding policies; email meeting packet materials to administrator, internal meeting regarding proposed standards; communications with administrator regarding Commission workshop; prepare memo for March 24 Plan Steering Committee meeting regarding current BCWMC development review program and email to administrator; review erosion and sediment control triggers information and prepare erosion and sediment control memo for March

24 Plan Steering Committee meeting packet; prepare for and attend March 10 and March 24 Plan Steering Committee meetings; and prepare draft memo regarding Plan budget status.

James P. Herbert, Principal Engineer/Scientist 5.7 hours @ \$165.00 per hour	\$ 940.50
Karen L. Chandler, Consultant/Advisor 22.3 hours @ \$155.00 per hour.....	\$ 3,456.50
Sterling G. Williams, Engineer/Scientist/Specialist II 12.7 hours @ \$115.00 per hour.....	\$ 1,460.50
Technicians/Administrative	\$ 6.50
Expenses (Mileage/FedX).....	\$ 39.20
<i>Subtotal, Next Generation Plan</i>	<i>\$ 5,903.20</i>
TOTAL PLANNING (Next Generation Plan)	\$ 5,903.20

PLANNING (Funded through Flood Control Project Long-term Maintenance Funds)
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FLOOD CONTROL PROJECT – MAINTENANCE AND REPLACEMENT PLAN

Review past project inspection results and memorandums; prepare final cost estimate for project replacement, rehabilitation and maintenance; internal meetings; complete technical memo summarizing estimated costs and agreements, and provide memo to administrator for meeting packet.

Joel N. Swenson, Engineer/Scientist/Specialist II 6.5 hours @ \$120.00 per hour	\$ 780.00
Joseph A. Welna, Engineer/Scientist/Specialist II 11.4 hours @ \$100.00 per hour	\$ 1,140.00
<i>Subtotal, Flood Control Project-Maintenance & Repair Plan</i>	<i>\$ 1,920.00</i>
TOTAL PLANNING (Maintenance Funds).....	\$ 1,920.00

ANNUAL REPORT

TOTAL ANNUAL REPORT.....	\$ 0.00
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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)

Review flow measurement needs for 2014.

Christopher J. Bonick, Engineer/Scientist/Specialist II	
1.0 hours @ \$115.00 per hour	\$ 115.00
<i>Subtotal, Watershed Outlet Monitoring Program</i>	<i>\$ 115.00</i>
TOTAL WOMP	\$ 115.00

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

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

Review 90% plan set and prepare memo for March Commission meeting regarding 90% plan review and provide to administrator for meeting packet; communications with MPRB consultant; internal staff meeting to review preliminary comments on 90% plans; prepare approval letter for 90% plan review and email to MPRB staff; and BWSR grant administration tasks: coordinate website updates with recording administrator for grant website reporting requirements.

James P. Herbert, Principal Engineer/Scientist	
2.8 hours @ \$165.00 per hour	\$ 462.00
Karen L. Chandler, Consultant/Advisor	
5.8 hours @ \$155.00 per hour	\$ 899.00
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
4.0 hours @ \$115.00 per hour	\$ 460.00
Amy R. Mikus, Engineer/Scientist/Specialist I	
0.5 hours @ \$85.00 per hour	\$ 42.50
<i>Subtotal, Cedar Lk Rd to Golden Valley Rd, 2012 Main Stem</i>	<i>\$ 1,863.50</i>

SCHAPER POND DIVERSION PROJECT (SL-3)

Prepare Spring Pond figure showing bathymetric survey information; communications with Golden Valley staff regarding Spring Pond alternative; meeting with administrator and Golden Valley staff regarding Schaper Pond and Spring Pond alternative; internal meeting regarding Schaper Pond project; review email from MPCA staff; prepare project update for Commission meeting; and communications with Golden Valley staff regarding MnRAM analysis for Schaper Pond.

James P. Herbert, Principal Engineer/Scientist	
1.0 hours @ \$165.00 per hour	\$ 165.00
Karen L. Chandler, Consultant/Advisor	
3.9 hours @ \$155.00 per hour	\$ 604.50
Joshua R. Vosejpka, Engineer/Scientist/Specialist I	
2.0 hours @ \$70.00 per hour	\$ 140.00
<i>Subtotal, Schaper Pond Diversion Project</i>	<i>\$ 909.50</i>

BRIARWOOD-DAWNVIEW POND (BC-7)

Review updated plans and P8 model; internal staff meeting; prepare memo and figure for March Commission meeting regarding 50% plan review; communications with Golden Valley staff and city's consultant regarding pollutant removals; prepare approval letter to City of Golden Valley for 50% plan review and email to city staff; and communications with administrator and Golden Valley staff.

James P. Herbert, Principal Engineer/Scientist	
2.3 hours @ \$165.00 per hour	\$ 379.50
Karen L. Chandler, Consultant/Advisor	
6.1 hours @ \$155.00 per hour	\$ 945.50
Rita W. Weaver, Engineer/Scientist/Specialist III	
3.5 hours @ \$125.00 per hour	\$ 437.50
Gregory J. Wilson, Engineer/Scientist/Specialist III	
2.0 hours @ \$145.00 per hour	\$ 290.00
Joshua R. Vosejpka, Engineer/Scientist/Specialist I	
0.7 hours @ \$70.00 per hour	\$ 49.00
<i>Subtotal, Briarwood-Dawnview Pond</i>	<i>\$ 2,101.50</i>

MAIN STEM: 10TH AVENUE-DULUTH STREET (2015CR)

Communications with administrator and internal staff regarding feasibility study review process; review draft feasibility study; and internal meeting to discuss preliminary comments on draft feasibility study.

Karen L. Chandler, Consultant/Advisor	
4.2 hours @ \$155.00 per hour	\$ 651.00
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
5.7 hours @ \$115.00 per hour	\$ 655.50
Peter J. Hinck, Engineer/Scientist/Specialist II	
0.1 hours @ \$115.00 per hour	\$ 11.50
<i>Subtotal, Main Stem: 10th Ave – Duluth Street</i>	<i>\$ 1,318.00</i>

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 6,192.50

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

P8 Model Update: send email request to member cities regarding necessary changes to P8 modeling, and respond to City of Plymouth about modeling request. TMDL Reporting: respond to TMDL questions from TRPD; Schaper Pond interpretations; compiled MS4 SWPPP documents for BCWMC TMDLs.

Gregory J. Wilson, Engineer/Scientist/Specialist III
10.6 hours @ \$145.00 per hour.....\$ 1,537.00
Subtotal, TMDL Studies.....\$ 1,537.00

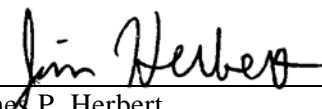
TOTAL TMDL STUDIES.....\$ 1,537.00

SUMMARY TOTALS

Total Engineering.....\$ 31,516.12
Total Secretarial Services Expenses.....\$ 70.62
Total Planning (Next Generation Plan)\$ 5,903.20
Total Planning (Maintenance Funds)\$ 1,920.00
Total Annual Report/Website/Public Communications\$ 0.00
Total WOMP\$ 115.00
Total Capital Improvement Projects (Tax Levy)\$ 6,192.50
Total Capital Improvement Projects (Maintenance Funds).....\$ 0.00
Total TMDL Studies.....\$ 1,537.00

TOTAL PAYABLE\$ 47,254.44

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