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engineering and environmental consultants

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

Page # 1
Invoice # 23270051-2014-11
Project # 23/27-0051
Client # 59
January 2, 2015

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
November 29, 2014 through December 26, 2014

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, watershed communities and interested citizens; communications with administrator regarding Minneapolis small area plans, call from Met Council staff regarding historical flow data/gaging; and respond to questions from Minneapolis staff regarding status of old Bassett Creek channel north of Hwy 55.

Karen L. Chandler, Consultant/Advisor		
1.8 hours @ \$155.00 per hour.....	\$	279.00
Gregory J. Wilson, Engineer/Scientist/Specialist III		
1.0 hours @ \$145.00 per hour.....	\$	145.00
Jennifer A. Koehler, Engineer/Scientist/Specialist II		
1.1 hours @ \$115.00 per hour	\$	126.50
Technicians/Administrative	\$	<u>19.50</u>
<i>Subtotal, Technical Services</i>	<i>\$</i>	<i>570.00</i>

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Coordination with SEH regarding site in Golden Valley; review home development plan in St. Louis Park and send comments to developer/city; communications with developer's consultant regarding proposed child care center in Plymouth; and communications with developer regarding BCWMC requirements for ADA compliance.

James P. Herbert, Principal Engineer/Scientist		
3.2 hours @ \$165.00 per hour.....	\$	528.00
Karen L. Chandler, Consultant/Advisor		
0.3 hours @ \$155.00 per hour.....	\$	<u>46.50</u>
<i>Subtotal, Preliminary Site Review/Correspondence</i>	<i>\$</i>	<i>574.50</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator regarding draft/final agenda and meeting packet for December 2014 meeting; review/edit draft November meeting minutes; prepare for December Commission meeting, including setting up and attending pre-meeting conference call with Chair de Lambert and administrator to review meeting agenda; provide grant tracking information to administrator; update BCWMC website to add invoice files and links to December meeting packet; communications with internal staff and administrator regarding follow-up tasks from December Commission meeting.

James P. Herbert, Principal Engineer/Scientist 4.3 hours @ \$165.00 per hour.....	\$ 709.50
Karen L. Chandler, Consultant/Advisor 8.0 hours @ \$155.00 per hour.....	\$ 1,240.00
Technicians/Administrative	\$ 233.00
Expenses (Cisco Webex)	\$ <u>5.31</u>
<i>Subtotal, Monthly Meeting Preparation</i>	\$ 2,187.81

TAC PREPARATION

Communications with administrator regarding upcoming TAC meeting agenda and date.

Karen L. Chandler, Consultant/Advisor 0.7 hours @ \$155.00 per hour.....	\$ <u>108.50</u>
<i>Subtotal, TAC Preparation</i>	\$ 108.50

***Subtotal Technical Services*.....\$ 3,440.81**

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.

I-494 Corridor Project (2014-05)

Preliminary review of project plans.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$165.00 per hour.....	\$ <u>82.50</u>
<i>Subtotal, I-494 Corridor Project</i>	\$ 82.50

Plymouth City Flats (2014-24)

Review revised grading, drainage, and erosion control plans, and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$165.00 per hour.....	\$ 82.50
Candice M. Kantor, Engineer/Scientist/Specialist I 1.5 hours @ \$90.00 per hour	\$ <u>135.00</u>
<i>Subtotal, Plymouth City Flats</i>	\$ 217.50

Golden Valley Senior Living (2014-26)

Review revised grading, drainage, and erosion control plans for phase 2 of project, and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$165.00 per hour.....	\$ 82.50
Candice M. Kantor, Engineer/Scientist/Specialist I 0.7 hours @ \$90.00 per hour	\$ <u>63.00</u>
<i>Subtotal, Golden Valley Senior Living</i>	<i>\$ 145.50</i>

Hidden Lake 3rd Addition (2014-27)

Review grading, drainage, and erosion control plans for project, and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 2.0 hours @ \$165.00 per hour.....	\$ 330.00
Candice M. Kantor, Engineer/Scientist/Specialist I 2.5 hours @ \$90.00 per hour	\$ <u>225.00</u>
<i>Subtotal, Hidden Lake 3rd Addition.....</i>	<i>\$ 555.00</i>

Laurel Pond Residential Development (2014-28)

Review grading, drainage, and erosion control plans for project, communication with applicant; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 3.5 hours @ \$165.00 per hour.....	\$ 577.50
Candice M. Kantor, Engineer/Scientist/Specialist I 5.0 hours @ \$90.00 per hour	\$ 450.00
Technicians/Administrative	\$ <u>25.50</u>
<i>Subtotal, Laurel Pond Residential Development</i>	<i>\$ 1,053.00</i>

TH 55 and Winnetka (2014-29)

Preliminary review of grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$165.00 per hour.....	\$ 82.50
Candice M. Kantor, Engineer/Scientist/Specialist I 1.2 hours @ \$90.00 per hour	\$ 108.00
Technicians/Administrative	\$ <u>42.50</u>
<i>Subtotal, TH 55 and Winnetka</i>	<i>\$ 233.00</i>

Blue Line LRT/Bottineau Transitway (2014-30)

Attend December 10 (first) Issue Resolution Team meeting regarding Golden Valley and BCWMC issues with Blue Line (Bottineau) LRT; and respond to questions and requests from SRF regarding

floodplain, BCWMC flood profile, and HEC-2/XP-SWMM modeling questions in the area of the LRT line.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$165.00 per hour.....	\$ 82.50
Karen L. Chandler, Consultant/Advisor 4.7 hours @ \$155.00 per hour.....	\$ 728.50
Jennifer A. Koehler, Engineer/Scientist/Specialist II 4.7 hours @ \$115.00 per hour.....	\$ 540.50
<i>Subtotal, Blue Line LRT/Bottineau Transitway</i>	<i>\$ 1,351.50</i>
<i>Subtotal Plat Review.....</i>	<i>\$ 3,638.00</i>

COMMISSION AND TAC MEETINGS

Attend December 18th Commission meeting.

Karen L. Chandler, Consultant/Advisor 4.0 hours @ \$155.00 per hour.....	\$ 620.00
<i>Subtotal, Commission and TAC Meetings</i>	<i>\$ 620.00</i>

WATER QUALITY/MONITORING

Review MCES WOMP station fact sheet and email comments to MCES staff; Twin and Sweeney Lake 2014 monitoring: analyses of Twin Lake and Sweeney Lake North Basin phytoplankton samples; analyses of Sweeney Lake North Basin Zooplankton samples; communications with MCES staff regarding Sweeney Lake CAMP data; summarize Sweeney Lake and Twin Lake historical data for trend analyses, including CAMP data; compute June-Sept summer averages; and prepare diagrams showing dissolved oxygen, temperature, specific conductivity and total phosphorus.

Karen L. Chandler, Consultant/Advisor 1.1 hours @ \$155.00 per hour.....	\$ 170.50
Gregory J. Wilson, Engineer/Scientist/Specialist III 1.0 hours @ \$145.00 per hour.....	\$ 145.00
Margaret R. Rattei, Engineer/Scientist/Specialist II 46.4 hours @ \$145.00 per hour.....	\$ 5,568.00
Evan G. Christianson, Engineer/Scientist/Specialist II 2.1 hours @ \$145.00 per hour.....	\$ 252.00
<i>Subtotal, Water Quality/Monitoring.....</i>	<i>\$ 6,135.50</i>

WATER QUANTITY

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

Technicians/Administrative	\$ 405.00
Expenses (Mileage/2WD vehicle).....	\$ 54.12
<i>Subtotal, Water Quantity</i>	<i>\$ 459.12</i>

FLOOD CONTROL PROJECT INSPECTIONS

Annual Flood Control Project Inspection

Prepare report regarding results of annual Flood Control Project inspection.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$165.00 per hour.....	\$ 165.00
Patrick E. Brockamp, Engineer/Scientist/Specialist I 0.3 hours @ \$75.00 per hour	\$ 22.50
Technicians/Administrative	\$ <u>1,008.00</u>
<i>Subtotal, Annual Flood Control Project Inspection.....</i>	<i>\$ 1,195.50</i>

Double Box Culvert Inspection

Pre-inspection coordination with Minneapolis staff and internal team; site visit to confirm site access and egress; and review historical plans and inspection reports.

James P. Herbert, Principal Engineer/Scientist 3.6 hours @ \$165.00 per hour.....	\$ 594.00
Joseph A. Welna, Engineer/Scientist/Specialist II 1.0 hours @ \$100.00 per hour.....	\$ 100.00
Megan T. Smaby, Engineer/Scientist/Specialist I 7.5 hours @ \$70.00 per hour	\$ 525.00
Technicians/Administrative	\$ 412.50
Expenses (Mileage)	\$ <u>11.20</u>
<i>Subtotal, Double Box Culvert Inspection</i>	<i>\$ 1,642.70</i>

Subtotal Flood Control Project Inspections.....\$ 2,838.20

MUNICIPAL PLAN REVIEW

Prepare draft review letter regarding MWMO plan amendment for December Commission meeting packet; and finalize letter and email to administrator.

Karen L. Chandler, Consultant/Advisor 2.8 hours @ \$155.00 per hour.....	\$ 434.00
Technicians/Administrative	\$ <u>19.00</u>
<i>Subtotal, Municipal Plan Review</i>	<i>\$ 453.00</i>

TOTAL ENGINEERING\$ 17,584.63

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Expenses (Copies)	\$ <u>11.00</u>
TOTAL SECRETARIAL SERVICES EXPENSES.....	\$ 11.00

PLANNING

TOTAL PLANNING (Next Generation Plan)\$ 0.00

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

WEBSITE

TOTAL WEBSITE.....\$ 0.00

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

TOTAL WOMP.....\$ 0.00

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

HONEYWELL POND EXPANSION (2016) (BC-4)

Communications with administration regarding major plan amendment.

Karen L. Chandler, Consultant/Advisor
 0.2 hours @ \$155.00 per hour.....\$ 31.00
Subtotal, Honeywell Pond Expansion\$ 31.00

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

Compare cost of proposed Northwood Lake stormwater reuse project to other stormwater reuse projects; and communications with administrator regarding major plan amendment.

Karen L. Chandler, Consultant/Advisor
 0.2 hours @ \$155.00 per hour.....\$ 31.00
 Jennifer A. Koehler, Engineer/Scientist/Specialist II
 2.0 hours @ \$115.00 per hour.....\$ 230.00
Subtotal, Northwood Lake Improvement Projects.....\$ 261.00

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 292.00

CAPITAL IMPROVEMENT PROJECTS (Funded through Flood Control Project Long-term Maintenance Funds)

**TOTAL CAPITAL IMPROVEMENT PROJECTS
 (Maintenance Funds)\$ 0.00**

TMDL WORK

TMDL IMPLEMENTATION REPORTING

P8 modeling: respond to questions from Minneapolis staff regarding sedimentation in channel north of Hwy 55.

Gregory J. Wilson, Engineer/Scientist/Specialist III
 2.0 hours @ \$145.00 per hour.....\$ 290.00
Subtotal, TMDL Studies.....\$ 290.00
TOTAL TMDL STUDIES\$ 290.00

SUMMARY TOTALS

Total Engineering\$ 17,584.63
Total Secretarial Services Expenses.....\$ 11.00
Total Planning (Next Generation Plan)\$ 0.00
Total Planning (Maintenance Funds)\$ 0.00
Total Annual Report/Website/Public Communications\$ 0.00
Total WOMP\$ 0.00
Total Capital Improvement Projects (Tax Levy)\$ 292.00
Total Capital Improvement Projects (Maintenance Funds).....\$ 0.00
Total TMDL Studies.....\$ 290.00
TOTAL PAYABLE\$ 18,177.63

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