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engineering and environmental consultants

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

Page # 1
Invoice # 23270051-2015-1
Project # 23/27-0051
Client # 59
March 6, 2015

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
January 31, 2015 through February 27, 2015

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, watershed communities and interested citizens; review MDNR stream restoration project evaluations and communications with internal staff and administrator regarding report comments; internal communications regarding MDNR’s No-Rise certificate requirements; communications with administrator regarding process for “preliminary reviews”; meeting with administrator and vice chair Mueller; find and review plans for Heathers development in Crystal in response to request from administrator and Crystal city staff; review needed revisions to Requirements document; and communications with New Hope staff.

Karen L. Chandler, Consultant/Advisor		
7.8 hours @ \$160.00 per hour.....	\$	1,248.00
Candice M. Kantor, Engineer/Scientist/Specialist II		
0.7 hours @ \$95.00 per hour	\$	66.50
Technicians/Administrative	\$	18.00
<i>Subtotal, Technical Services</i>	<i>\$</i>	<i>1,332.50</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator and recorder regarding draft/final agenda and meeting packet for February 2015 meeting; review/edit draft January meeting minutes; prepare for February Commission meeting, including setting up and attending pre-meeting conference call with Chair de Lambert and administrator to review meeting agenda; review fiscal 2014 budget status; provide water quality report and figure suggestions to administrator for February Commission meeting; prepare presentation regarding Sweeney and Twin Lake monitoring report for February Commission meeting; provide grant tracking information to administrator; communications with internal staff and administrator regarding follow-up tasks from February Commission meeting and upcoming meeting agenda items; and communications with administrator and chair de Lambert regarding content of project review memos.

James P. Herbert, Principal Engineer/Scientist 6.3 hours @ \$175.00 per hour.....	\$ 1,102.50
Karen L. Chandler, Consultant/Advisor 21.5 hours @ \$160.00 per hour.....	\$ 3,440.00
Technicians/Administrative	\$ 388.50
Expenses (Cisco Webex)	\$ 14.58
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 4,945.58</i>

TAC PREPARATION

Prepare for February 2 TAC meeting; review/edit draft February TAC memo; discuss March TAC agenda items with administrator; and collect information and meet with internal staff regarding preliminary and non-fee project reviews (in preparation for March TAC meeting).

James P. Herbert, Principal Engineer/Scientist 2.3 hours @ \$175.00 per hour.....	\$ 402.50
Karen L. Chandler, Consultant/Advisor 5.2 hours @ \$160.00 per hour.....	\$ 832.00
Technicians/Administrative	\$ 162.00
<i>Subtotal, TAC Preparation</i>	<i>\$ 1,396.50</i>

Subtotal Technical Services.....\$ 7,674.58

PLAT REVIEW

Laurel Pond Residential Development (2014-28)

Review revised plans; communications with applicant regarding revised plans; prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 1.5 hours @ \$175.00 per hour.....	\$ 262.50
Candice M. Kantor, Engineer/Scientist/Specialist II 2.5 hours @ \$95.00 per hour	\$ 237.50
<i>Subtotal, Laurel Pond Residential Development</i>	<i>\$ 500.00</i>

Golden Valley 2015 PMP (2014-31)

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

James P. Herbert, Principal Engineer/Scientist 0.9 hours @ \$175.00 per hour.....	\$ 157.50
Candice M. Kantor, Engineer/Scientist/Specialist II 2.7 hours @ \$95.00 per hour	\$ 256.50
<i>Subtotal, Golden Valley 2015 PMP.....</i>	<i>\$ 414.00</i>

Vicksburg Lane Reconstruction (2015-01)

Review grading, drainage, and erosion control plans for project; prepare memo and figure for February Commission meeting; communications with applicant; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer Scientist 4.5 hours @ \$175.00 per hour.....	\$ 787.50
Karen L. Chandler, Consultant/Advisor 1.7 hours @ \$160.00 per hour.....	\$ 272.00
Candice M. Kantor, Engineer/Scientist/Specialist II 4.8 hours @ \$95.00 per hour	\$ 456.00
Technicians/Administrative	\$ <u>51.00</u>
<i>Subtotal, Vicksburg Lane Reconstruction.....</i>	<i>\$ 1,566.50</i>

CenterPoint Energy (2015-02)

Coordination with applicant and preliminary review of plans.

James P. Herbert, Principal Engineer Scientist 0.7 hours @ \$175.00 per hour.....	\$ 122.50
Candice M. Kantor, Engineer/Scientist/Specialist II 0.3 hours @ \$95.00 per hour	\$ 28.50
Technicians/Administrative	\$ <u>59.50</u>
<i>Subtotal, CenterPoint Energy</i>	<i>\$ 210.50</i>

Vicksburg Ridge (2015-03)

Review grading, drainage, and erosion control plans for project; prepare draft approval letter.

Candice M. Kantor, Engineer/Scientist/Specialist II 2.0 hours @ \$95.00 per hour	\$ 190.00
Technicians/Administrative	\$ <u>42.50</u>
<i>Subtotal, Vicksburg Ridge</i>	<i>\$ 232.50</i>

Struther's Parkinson's Center (2015-04)

Coordination with applicant and preliminary review of plans

James P. Herbert, Principal Engineer Scientist 0.8 hours @ \$175.00 per hour.....	\$ 140.00
Technicians/Administrative	\$ <u>42.50</u>
<i>Subtotal, Struther's Parkinson's Center.....</i>	<i>\$ 182.50</i>
<i>Subtotal Plat Review.....</i>	<i>\$ 3,106.00</i>

NON-FEE REVIEWS AND PRELIMINARY COMMUNICATIONS

PRELIMINARY COMMUNICATIONS

Coordination with New Hope staff regarding 9216 Northwood Parkway, including email to city staff stating project exempt from BCWMC review and follow-up communications; communications with consultant regarding proposed development along Bassett Creek at Glenwood Inglewood site in Minneapolis; coordination with MnDOT's consultant and Golden Valley staff regarding TH 100 and TH 55 interchange project; coordination with consultant regarding proposed project in Golden Valley; communications with consultant regarding Park Nicollet expansion project; and communications with consultant regarding railroad crossing repair on Bassett Creek in Golden Valley.

James P. Herbert, Principal Engineer/Scientist 3.3 hours @ \$175.00 per hour.....	\$ 577.50
Karen L. Chandler, Consultant/Advisor 0.2 hours @ \$160.00 per hour.....	\$ <u>32.00</u>
<i>Subtotal, Plat Review – Preliminary Communications</i>	<i>\$ 609.50</i>

NON-FEE REVIEWS

Blue Line LRT/Bottineau Transitway

Communications with SRF and administrator regarding floodplain model and scheduling of meeting; and respond to questions from SRF regarding floodplain modeling (HEC-2 vs. HEC-RAS and XP-SWMM).

James P. Herbert, Principal Engineer Scientist 0.5 hours @ \$175.00 per hour.....	\$ 87.50
Karen L. Chandler, Consultant/Advisor 5.5 hours @ \$160.00 per hour.....	\$ 880.00
Jeffrey D. Weiss, Engineer/Scientist/Specialist II 1.6 hours @ \$120.00 per hour.....	\$ <u>192.00</u>
<i>Subtotal, Blue Line LRT/Bottineau Transitway</i>	<i>\$ 1,159.50</i>

SW LRT

Communications and meeting with Met Council staff regarding SW LRT, BCWMC requirements and tunnel.

James P. Herbert, Principal Engineer Scientist 0.5 hours @ \$175.00 per hour.....	\$ 87.50
Karen L. Chandler, Consultant/Advisor 0.8 hours @ \$160.00 per hour.....	\$ <u>128.00</u>
<i>Subtotal, SW LRT</i>	<i>\$ 215.50</i>
<i>Subtotal Non-Fee Reviews</i>	<i>\$ 1,375.00</i>
<i>Subtotal Non-Fee Review and Preliminary Communication</i>	<i>\$ 1,984.50</i>

COMMISSION AND TAC MEETINGS

Attend February 2 TAC meeting and February 19 Commission meeting.

Karen L. Chandler, Consultant/Advisor 6.9 hours @ \$160.00 per hour	\$ 1,104.00
<i>Subtotal, Commission and TAC Meetings</i>	<i>\$ 1,104.00</i>

WATER QUALITY/MONITORING

Evaluate Bacteria TMDL Implementation Plan; internal discussions regarding graphical representation of water quality data; communications with administrator and MDNR staff regarding meeting about Sweeney Lake aeration permit; internal meeting regarding potential impact of aerators in Sweeney Lake, information needs, and upcoming meeting with MDNR; communications with administrator regarding watershed divides for chloride TMDL; and communications with administrator and chair regarding Bassett Creek water quality press release; Twin and Sweeney Lake 2014 monitoring: review Sweeney Lake water quality data regarding potential anomalies; revise Sweeney Lake recommendations in report; and prepare PDF of Sweeney and Twin Lake monitoring report.

Henry M. Runke, Principal Engineer/Scientist 4.5 hours @ \$175.00 per hour.....	\$ 787.50
Karen L. Chandler, Consultant/Advisor 8.1 hours @ \$160.00 per hour.....	\$ 1,296.00
Gregory J. Wilson, Engineer/Scientist/Specialist III 7.5 hours @ \$150.00 per hour.....	\$ 1,125.00
Keith M. Pilgrim, Engineer/Scientist/Specialist III 3.0 hours @ \$150.00 per hour.....	\$ 450.00
Technicians/Administrative	\$ 90.00
<i>Subtotal, Water Quality/Monitoring.....</i>	<i>\$ 3,748.50</i>

WATER QUANTITY

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

Technicians/Administrative	\$ 360.00
Expenses (Mileage/2WD vehicle).....	\$ 54.90
<i>Subtotal, Water Quantity</i>	<i>\$ 414.90</i>

TOTAL ENGINEERING\$ 18,032.48

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Expenses (Copies)	\$ 12.50
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TOTAL SECRETARIAL SERVICES EXPENSES.....\$ 12.50

PLANNING

NEXT GENERATION PLAN

Review comments on draft Plan, communications with administrator regarding schedule, PSC meetings, and CIP table; and revise Table 5-3 for March TAC meeting.

Karen L. Chandler, Consultant/Advisor		
1.9 hours @ \$160.00 per hour.....	\$	304.00
Sterling G. Williams, Engineer/Scientist/Specialist III		
2.0 hours @ \$125.00 per hour.....	\$	250.00
Gregory J. Wilson, Engineer/Scientist/Specialist III		
3.8 hours @ \$150.00 per hour.....	\$	570.00
<i>Subtotal, Next Generation Plan</i>	\$	1,124.00
TOTAL PLANNING (Next Generation Plan)	\$	1,124.00

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

TOTAL PLANNING (Maintenance Funds)	\$	0.00
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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)

Assess current rating curve using 2014 flow data; and communications with administrator and internal staff regarding Met Council WOMP questionnaire/evaluation.

Karen L. Chandler, Consultant/Advisor		
1.1 hours @ \$160.00 per hour.....	\$	176.00
Gregory J. Wilson, Engineer/Scientist/Specialist III		
2.0 hours @ \$150.00 per hour.....	\$	300.00
Christopher J. Bonick, Engineer/Scientist/Specialist II		
2.5 hours @ \$115.00 per hour.....	\$	287.50

Subtotal, Watershed Outlet Monitoring Program.....\$ 763.50
TOTAL WOMP\$ **763.50**

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

TWIN LAKE ALUM TREATMENT PROJECT (TW-2)

Communications with administrator regarding Commission review of CIP project.

Karen L. Chandler, Consultant/Advisor
 0.4 hours @ \$160.00 per hour\$ 64.00
Subtotal, Twin Lake Alum Treatment Project.....\$ 64.00

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

Internal communications regarding 50% plan review.

Karen L. Chandler, Consultant/Advisor
 0.5 hours @ \$160.00 per hour.....\$ 80.00
Subtotal, Main Stem: 10th Ave – Duluth Street\$ 80.00

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 144.00

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 Model Update: DeCola Ponds data coordination; watershed delineation updates in GIS; and internal meeting regarding QA/QC.

Karen L. Chandler, Consultant/Advisor
 0.7 hours @ \$160.00 per hour\$ 112.00
 Ross S. Mullen, Engineer/Scientist/Specialist I
 1.1 hours @ \$85.00 per hour.....\$ 93.50
 Joshua R. Vosejpka, Engineer/Scientist/Specialist I
 16.3 hours @ \$75.00 per hour.....\$ 1,222.50
Subtotal, TMDL Studies.....\$ 1,428.00

TOTAL TMDL STUDIES\$ 1,428.00

SUMMARY TOTALS

Total Engineering	\$ 18,032.48
Total Secretarial Services Expenses	12.50
Total Planning (Next Generation Plan)	\$ 1,124.00
Total Planning (Maintenance Funds)	0.00
Total Annual Report/Website/Public Communications	0.00
Total WOMP	\$ 763.50
Total Capital Improvement Projects (Tax Levy)	\$ 144.00
Total Capital Improvement Projects (Maintenance Funds)	0.00
Total TMDL Studies	\$ 1,428.00
TOTAL PAYABLE	\$ 21,504.48

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