



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

Page # 1
Invoice # 23270051-2015-4
Project # 23/27-0051
Client # 59
June 5, 2015

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
May 2, 2015 through May 29, 2015

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the administrator and watershed communities; attend May 5 Plymouth City Council work study session regarding Medicine Lake water level study; attend May 11 meeting with MDNR staff, Golden Valley staff, and administrator regarding Bassett Creek restoration project evaluation; internal communications, communications with Minneapolis staff, Golden Valley staff, and administrator, and attend May 29 site meeting with Minneapolis, Golden Valley and MPRB staff regarding scope to determine sediment source in Main Stem Bassett Creek near Wirth Park Chalet; prepare for Bassett creek site meeting; Bassett creek site visit and follow up; call with Omid on sediment methods; emails with Karen Chandler on meeting times; communications with Minneapolis and Golden Valley staff regarding sediment source study for Main Stem near chalet; communications with administrator regarding steps in applying for COE assistance with XP SWMM model; internal meeting and communications with administrator regarding COE funding for XP SWMM modeling; communications with COE staff to set up meeting regarding programs available for XP-SWMM model update; May 27 conference call with COE staff regarding COE programs available for XP-SWMM model update and potential COE funding for failures of the BCWMC Flood Control Project; communications with MDNR staff to set up conference call regarding funding opportunities; respond to City of Crystal's request for information regarding stormwater pond at the Heathers development; look into City of Crystal's questions regarding WCA jurisdiction, including communications with administrator; and communications with administrator regarding BCWMC review of Elm Creek WMC Plan.

Leonard J. Kremer, Principal Engineer/Scientist	
2.2 hours @ \$185.00 per hour.....	\$ 407.00
Jeffrey T. Lee, Principal Engineer/Scientist	
3.4 hours @ \$150.00 per hour.....	\$ 510.00
James P. Herbert, Principal Engineer Scientist	
1.8 hours @ \$175.00 per hour.....	\$ 315.00

Karen L. Chandler, Consultant/Advisor 21.8 hours @ \$160.00 per hour.....	\$ 3,488.00
Omid M. Mohseni, Consultant/Advisor 0.4 hours @ \$155.00 per hour.....	\$ 62.00
Benjamin A. Sheets, Consultant/Advisor 5.0 hours @ \$165.00 per hour.....	\$ 825.00
Technicians/Administrative	\$ 103.00
Expenses (Mileage)	\$ 5.75
<i>Subtotal, Technical Services</i>	<i>\$ 5,715.75</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator regarding draft/final agenda and meeting packet for May 2015 meeting; review/edit draft April meeting minutes; prepare for April 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; and communications with internal staff, administrator, and Chair de Lambert regarding follow-up tasks from May Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 3.1 hours @ \$175.00 per hour.....	\$ 542.50
Karen L. Chandler, Consultant/Advisor 13.9 hours @ \$160.00 per hour.....	\$ 2,224.00
Technicians/Administrative	\$ 397.00
Expenses (Webex)	\$ 26.26
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 3,189.76</i>

TAC PREPARATION

Review/edit draft TAC memo for May Commission meeting

Karen L. Chandler, Consultant/Advisor 0.9 hours @ \$160.00 per hour.....	\$ 144.00
<i>Subtotal, TAC Preparation</i>	<i>\$ 144.00</i>

Subtotal Technical Services.....\$ 9,049.51

PLAT REVIEW

Plymouth Medical Center (2015-07)

Communications with applicant regarding follow-up questions.

James P. Herbert, Principal Engineer Scientist 0.5 hours @ \$175.00 per hour.....	\$ 87.50
<i>Subtotal, Plymouth Medical Center</i>	<i>\$ 87.50</i>

2015 Pavement Management Area 3A (2015-08)

Communications with city's consultant regarding application fee.

Karen L. Chandler, Consultant/Advisor	
0.6 hours @ \$160.00 per hour.....	\$ 96.00
<i>Subtotal, 2015 Pavement Management Area 3A.....</i>	<i>\$ 96.00</i>

Crossroads Commons, 2nd Addition (2015-09)

Review grading, drainage, and erosion control plans for project; determine FEMA floodplain limits; coordinate with city staff and developer's consultant; and 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	
5.5 hours @ \$95.00 per hour	\$ 522.50
Joshua R. Vosejpka, Engineer/Scientist/Specialist I	
0.5 hours @ \$75.00 per hour	\$ 37.50
<i>Subtotal, Crossroads Commons, 2nd Addition</i>	<i>\$ 822.50</i>

Plymouth Point Business Center (2015-10)

Review grading, drainage, and erosion control plans for project.

Candice M. Kantor, Engineer/Scientist/Specialist II	
1.2 hours @ \$95.00 per hour	\$ 114.00
<i>Subtotal, Plymouth Point Business Center</i>	<i>\$ 114.00</i>

26th Avenue Development-Minneapolis (2015-11)

Review grading, drainage, and erosion control plans for project; coordinate with city staff and developer's consultant; prepare review memo for May Commission meeting; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer Scientist	
2.8 hours @ \$175.00 per hour.....	\$ 490.00
Karen L. Chandler, Consultant/Advisor	
0.8 hours @ \$160.00 per hour.....	\$ 128.00
Candice M. Kantor, Engineer/Scientist/Specialist II	
5.1 hours @ \$95.00 per hour	\$ 484.50
Technicians/Administrative	\$ 8.50
<i>Subtotal, 26th Avenue Development-Mpls.....</i>	<i>\$ 1,111.00</i>

Sandburg Athletic Field Improvements (2015-12)

Plat review set up and coordination with Golden Valley staff.

James P. Herbert, Principal Engineer Scientist	
0.3 hours @ \$175.00 per hour.....	\$ 52.50

Technicians/Administrative	\$	59.50
<i>Subtotal, Sandburg Athletic Field Improvements</i>	<i>\$</i>	<i>112.00</i>

Solutran Headquarters (2015-13)

Plat review set up and communications with developer's consultant.

James P. Herbert, Principal Engineer Scientist 0.3 hours @ \$175.00 per hour.....	\$	52.50
Karen L. Chandler, Consultant/Advisor 0.1 hours @ \$160.00 per hour.....	\$	16.00
Technicians/Administrative	\$	42.50
<i>Subtotal, Solutran Headquarters</i>	<i>\$</i>	<i>111.00</i>

Plymouth Ice Center/Life Time Parking Lot (2015-14)

Plat review set up.

James P. Herbert, Principal Engineer Scientist 0.2 hours @ \$175.00 per hour.....	\$	35.00
Technicians/Administrative	\$	42.50
<i>Subtotal, Plymouth Ice Ctr/Life Time Parking Lot</i>	<i>\$</i>	<i>77.50</i>

Subtotal Plat Review.....\$ 2,531.50

NON-FEE REVIEWS AND PRELIMINARY COMMUNICATIONS

PRELIMINARY COMMUNICATIONS

Communication with administrator regarding review history of Wirth Park Master Plan and brief review of master plan; and communications and coordination with property owner's consultant and city's consultant regarding proposed solar array installation in City of Medicine Lake.

James P. Herbert, Principal Engineer/Scientist 2.3 hours @ \$175.00 per hour.....	\$	402.50
Karen L. Chandler, Consultant/Advisor 1.1 hours @ \$160.00 per hour.....	\$	176.00
<i>Subtotal, Plat Review – Preliminary Communications</i>	<i>\$</i>	<i>578.50</i>

NON-FEE REVIEWS

SW LRT

Communications with administrator regarding draft EIS and Met Council's questions about type of BCWMC project review; and brief review of draft EIS.

James P. Herbert, Principal Engineer Scientist 0.5 hours @ \$175.00 per hour.....	\$	87.50
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Karen L. Chandler, Consultant/Advisor	
0.6 hours @ \$160.00 per hour.....	\$ 96.00
<i>Subtotal, SW LRT</i>	<i>\$ 183.50</i>
<i>Subtotal Non-Fee Reviews</i>	<i>\$ 183.50</i>
<i>Subtotal Non-Fee Review and Preliminary Communication</i>	<i>\$ 762.00</i>

COMMISSION AND TAC MEETINGS

Attend May 5 TAC meeting and May 21 Commission meeting.

Karen L. Chandler, Consultant/Advisor	
6.6 hours @ \$160.00 per hour	\$ 1,056.00
<i>Subtotal, Commission and TAC Meetings</i>	<i>\$ 1,056.00</i>

SURVEYS & STUDIES

REQUIREMENTS DOCUMENT REVISION

Prepare for and attend May 5 TAC meeting to discuss Requirements Document revisions; revise Requirements Document based on TAC comments; compare erosion control requirements to NPDES permit requirements and MnDOT erosion control pocketbook guide; provide revised document to administrator to send to TAC for review; revise erosion and sediment control requirements; provide revised document for administrator to include in May Commission meeting packet; revise document based on Commission attorney and administrator comments; and provide document to administrator to include with 90-day draft of Plan.

Karen L. Chandler, Consultant/Advisor	
4.1 hours @ \$160.00 per hour	\$ 656.00
Sterling G. Williams, Engineer/Scientist/Specialist III	
1.0 hours @ \$125.00 per hour	\$ 125.00
Candice M. Kantor, Engineer/Scientist/Specialist II	
13.1 hours @ \$95.00 per hour.....	\$ 1,244.50
Technicians/Administrative	\$ 48.00
Expenses (Mileage)	\$ 12.08
<i>Subtotal, Requirements Document Revision</i>	<i>\$ 2,085.58</i>
<i>Subtotal, Surveys & Studies.....</i>	<i>\$ 2,085.58</i>

WATER QUALITY/MONITORING

Coordinate with administrator regarding bacteria TMDL stakeholder meeting; internal communications regarding water quality impact of fountains in stormwater detention ponds; communications with administrator regarding potential changes to water quality reporting format; internal communications regarding WOMP trends; Westwood Lake Monitoring: prepare for June and July monitoring; and coordination with aquatic plant survey subconsultant regarding mapping; Stream Biotic Index Monitoring: prepare for habitat monitoring that will be part of 2015 biotic index monitoring, including site visits to verify site locations and layout transect locations.

Henry M. Runke, Principal Engineer/Scientist 0.6 hours @ \$175.00 per hour.....	\$ 105.00
Karen L. Chandler, Consultant/Advisor 0.7 hours @ \$160.00 per hour.....	\$ 112.00
Gregory J. Wilson, Engineer/Scientist/Specialist III 1.7 hours @ \$150.00 per hour.....	\$ 255.00
Margaret R. Rattei, Engineer/Scientist/Specialist III 0.8 hours @ \$125.00 per hour.....	\$ 100.00
Technicians/Administrative	\$ 1,752.00
Expenses (Mileage/2WD vehicle/GPS/flow meter)	\$ 320.78
<i>Subtotal, Water Quality/Monitoring.....</i>	<i>\$ 2,644.78</i>

WATER QUANTITY

Measure and review lake level elevations as part of the lake-gauging program; communications with administrator regarding Sweeney Lake elevation gaging and other water level gauges in watershed.

James P. Herbert, Principal Engineer Scientist 0.5 hours @ \$175.00 per hour.....	\$ 87.50
Technicians/Administrative	\$ 360.00
Expenses (Mileage/2WD vehicle).....	\$ 54.90
<i>Subtotal, Water Quantity</i>	<i>\$ 502.40</i>

TOTAL ENGINEERING\$ 18,631.77

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Expenses for copies and postage.

Expenses (Copies/Postage).....	\$ 73.35
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TOTAL SECRETARIAL SERVICES EXPENSES.....\$ 73.35

PLANNING

NEXT GENERATION PLAN

Revise plan sections for 90-day review document, including updates to text, tables, and figures; meet with administrator to review/edit CIP table; communications with administrator and BWSR staff; produce CDs of plan document; coordinate with administrator regarding distribution of 90-day draft plan.

Karen L. Chandler, Consultant/Advisor 2.7 hours @ \$160.00 per hour.....	\$ 432.00
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Sterling G. Williams, Engineer/Scientist/Specialist III	
22.3 hours @ \$125.00 per hour.....	\$ 2,787.50
Joshua R. Vosejka, Engineer/Scientist/Specialist I	
2.0 hours @ \$75.00 per hour	\$ 150.00
Technicians/Administrative	\$ 240.00
Expenses (Copies/Postage)	\$ 5.99
<i>Subtotal, Next Generation Plan</i>	<i>\$ 3,615.49</i>
TOTAL PLANNING (Next Generation Plan)	\$ 3,615.49

PLANNING (Funded through Flood Control Project Long-term Maintenance Funds)
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TOTAL PLANNING (Maintenance Funds).....	\$ 0.00
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ANNUAL REPORT

ANNUAL REPORT

Update annual report for impaired waters and TMDL implementation summaries, per administrator request; and complete other revisions to annual report and email to administrator.

Karen L. Chandler, Consultant/Advisor	
1.4 hours @ \$160.00 per hour.....	\$ 224.00
Gregory J. Wilson, Engineer/Scientist/Specialist III	
3.0 hours @ \$150.00 per hour.....	\$ 450.00
<i>Subtotal, Annual Report</i>	<i>\$ 674.00</i>
TOTAL ANNUAL REPORT.....	\$ 674.00

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)

Download stage/flow data from WOMP site.

Christopher J. Bonick, Engineer/Scientist/Specialist II	
0.5 hours @ \$115.00 per hour.....	\$ 57.50

Subtotal, Watershed Outlet Monitoring Program.....\$ 57.50
TOTAL WOMP\$ 57.50

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

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

Review 90% plan submittal and city consultant's response to comments on 50% plans; internal discussion; provide informal comments on 90% plans to Golden Valley staff and city's consultant; and communications with Golden Valley staff.

Karen L. Chandler, Consultant/Advisor
3.5 hours @ \$160.00 per hour.....\$ 560.00

Peter J. Hinck, Engineer/Scientist/Specialist II
4.8 hours @ \$120.00 per hour.....\$ 576.00

Subtotal, Main Stem: 10th Ave – Duluth Street\$ 1,136.00

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 1,136.00

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: Mapping updates.

Joshua R. Vosejpka, Engineer/Scientist/Specialist I
0.5 hours @ \$75.00 per hour\$ 37.50

Subtotal, TMDL Studies.....\$ 37.50

TOTAL TMDL STUDIES\$ 37.50

XP-SWMM PHASE II

XP-SWMM PHASE II

Project set-up, and follow-up with TRPD regarding North Branch monitoring.

Jennifer A. Koehler, Engineer/Scientist/Specialist II
0.3 hours @ \$120.00 per hour.....\$ 36.00

Technicians/Administrative\$ 19.00

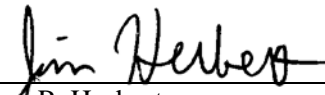
Subtotal, XP-SWMM Phase II.....\$ 55.00

TOTAL XP-SWMM PHASE II.....\$ 55.00

SUMMARY TOTALS

Total Engineering	\$ 18,631.77
Total Secretarial Services Expenses.....	\$ 73.35
Total Planning (Next Generation Plan)	\$ 3,615.49
Total Planning (Maintenance Funds)	\$ 0.00
Total Annual Report/Website/Public Communications	\$ 674.00
Total WOMP	\$ 57.50
Total Capital Improvement Projects (Tax Levy)	\$ 1,136.00
Total Capital Improvement Projects (Maintenance Funds).....	\$ 0.00
Total TMDL Work	\$ 37.50
Total XP-SWMM Phase II	\$ <u>55.00</u>
TOTAL PAYABLE	\$ 24,280.61

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