



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

Page # 1
Invoice # 23270051-2014-3
Project # 23/27-0051
Client # 59
May 2, 2014

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
March 29, 2014 through April 25, 2014

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, administrator, recording administrator, Commission counsel, watershed communities and interested citizens; reviewed BWSR's 2017-2018 biennial budget review (BBR) requirements and prepared submittal to BWSR; reviewed and provided comments on draft bacteria TMDL; attended Metro chloride TMDL meeting with MPCA staff; reviewed MPCA water quality impairment delisting for Wirth Lake; reviewed TRPD's draft Plymouth water quality monitoring report; reviewed 2015 flood control project budgets and provided summary; coordination with administrator and provided preliminary 2015 proposed budgets and descriptions for discussion at April 10 budget committee meeting; responded to consultant request regarding use/sharing of XP SWMM model; provided information to Golden Valley staff regarding Sweeney Lake water quality and blue-green algae blooms; internal meeting regarding Corps of Engineers letter concerning control elevations for the flood control project; communications with administrator regarding Medicine Lake outlet; communications with Crystal staff regarding floodplain questions on Bassett Creek; communications with Medicine Lake resident regarding Medicine Lake outlet information; XP SWMM request from Minneapolis staff; communications with Golden Valley staff regarding triggers for water quality treatment requirements for redevelopment sites; addressed 2016 -2020 CIP questions; communications with administrator regarding May 1 TAC meeting agenda, watershed tour, and CIP projects and project process.

Leonard J. Kremer, Principal Engineer/Scientist	
2.7 hours @ \$180.00 per hour.....	\$ 486.00
James P. Herbert, Principal Engineer/Scientist	
5.8 hours @ \$165.00 per hour.....	\$ 957.00
Karen L. Chandler, Consultant/Advisor	
23.6 hours @ \$155.00 per hour.....	\$ 3,658.00
Gregory J. Wilson, Engineer/Scientist/Specialist III	
7.1 hours @ \$145.00 per hour.....	\$ 1,029.50
Amy R. Mikus, Engineer/Scientist/Specialist I	
4.5 hours @ \$85.00 per hour	\$ 382.50

Technicians/Administrative	\$ 270.00
Expenses (Mileage)	\$ 28.00
<i>Subtotal, Technical Services</i>	<i>\$ 6,811.00</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; correspondence with and returned application fee check to applicant for project outside Bassett Creek Watershed; coordination with applicant and email regarding preliminary review of street project in St. Louis Park; preliminary correspondence with Loucks regarding Medivators project in Plymouth; correspondence with Golden Valley staff regarding requirements for Golden Valley project; phone call from Pillar Homes regarding proposed project at Plymouth site; phone call to applicant regarding development at Parkers Lake North; phone call with Bryn Mawr neighborhood representative regarding requirements for memorial garden in Minneapolis; phone call with URS regarding development requirements; phone call from Rehder Associates regarding requirements for Plymouth Town Center; call from developer's consultant regarding project in Plymouth; call from developer's consultant regarding redevelopment project in New Hope; correspondence with applicant regarding proposed project at 25th and Niagara in Plymouth; preliminary review of Twin Corps site.

James P. Herbert, Principal Engineer/Scientist 7.8 hours @ \$165.00 per hour	\$ 1,287.00
Karen L. Chandler, Consultant/Advisor 0.6 hours @ \$155.00 per hour	\$ 93.00
Rita W. Weaver, Engineer/Scientist/Specialist III 4.0 hours @ \$125.00 per hour	\$ 500.00
Technicians/Administrative	\$ 17.00
<i>Subtotal, Preliminary Site Review/Correspondence</i>	<i>\$ 1,897.00</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator and recording administrator regarding agenda and meeting packet for April 2014 meeting; reviewed and edited draft March Commission meeting minutes and emailed to administrator; reviewed agenda memo; prepared for April Commission meeting, including meeting/conference call with administrator and Chair de Lambert regarding meeting agenda; communications with administrator regarding post-meeting action items; internal meeting regarding April Commission meeting; provided grant tracking information to administrator; prepared memo discussing benefits of lake water quality monitoring program to answer questions from Commissioners.

James P. Herbert, Principal Engineer/Scientist 3.0 hours @ \$165.00 per hour	\$ 495.00
Karen L. Chandler, Consultant/Advisor 21.2 hours @ \$155.00 per hour	\$ 3,286.00
Margaret R. Rattei, Engineer/Scientist/Specialist II 3.6 hours @ \$120.00 per hour	\$ 432.00
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 4,213.00</i>

PROPERTY FLOODPLAIN REVIEW

Telephone conversation with DNR staff regarding FEMA workshop; reviewed Vale Crest Road maps.

James P. Herbert, Principal Engineer/Scientist	
0.7 hours @ \$165.00 per hour.....	\$ 115.50
Rita W. Weaver, Engineer/Scientist/Specialist III	
0.8 hours @ \$125.00 per hour.....	\$ 100.00
<i>Subtotal, Property Floodplain Review</i>	<i>\$ 215.50</i>

TAC MEETING PREPARATION

Prepared for May 1 TAC meeting, communications and meeting with administrator regarding TAC meeting date and agenda; communications with administrator regarding May agenda and meeting materials; prepare materials regarding 2015 water quality monitoring budget; revised draft TAC agenda; prepared memo regarding Commission's lake water quality and biotic index monitoring programs for TAC meeting.

James P. Herbert, Principal Engineer/Scientist	
3.8 hours @ \$165.00 per hour.....	\$ 627.00
Karen L. Chandler, Consultant/Advisor	
6.2 hours @ \$155.00 per hour.....	\$ 961.00
Margaret R. Rattei, Engineer/Scientist/Specialist II	
8.5 hours @ \$120.00 per hour.....	\$ 1,020.00
Technicians/Administrative	\$ 85.00
<i>Subtotal, TAC Meeting Preparation.....</i>	<i>\$ 2,693.00</i>

Subtotal Technical Services.....\$ 15,829.50

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.

LCA 3200 Harbor Lane N (2013-33)

Coordination and discussed model requirements/revisions with applicant.

Rita W. Weaver, Engineer/Scientist/Specialist III	
0.5 hours @ \$125.00 per hour.....	\$ 62.50
<i>Subtotal, LCA 3200 Harbor Lane North</i>	<i>\$ 62.50</i>

GV Golf & CC Pedestrian Bridge (2014-01)

Coordination with applicant; reviewed final plans, prepared letter of approval to Golden Valley.

James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$165.00 per hour	\$ 82.50

Karen L. Chandler, Consultant/Advisor	
0.2 hours @ \$155.00 per hour	\$ 31.00
Rita W. Weaver, Engineer/Scientist/Specialist III	
1.2 hours @ \$125.00 per hour	\$ 150.00
<i>Subtotal, GV Golf & CC Pedestrian Bridge</i>	<i>\$ 263.50</i>

Kingsview Heights 5th Addn (2014-03)

Communications with city and applicant; reviewed grading, drainage, and erosion control plans; prepared letter to City of Plymouth.

James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$165.00 per hour	\$ 82.50
Rita W. Weaver, Engineer/Scientist/Specialist III	
1.7 hours @ \$125.00 per hour	\$ 212.50
<i>Subtotal, Kingsview Heights 5th Addn</i>	<i>\$ 295.00</i>

Ridgedale Center Expansion Phase 2 (2014-04)

Communications with city and applicant; reviewed grading, drainage, and erosion control plans; prepared letter to City.

James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$165.00 per hour	\$ 82.50
Rita W. Weaver, Engineer/Scientist/Specialist III	
3.8 hours @ \$125.00 per hour	\$ 475.00
<i>Subtotal, Golden Valley 2014 PMP</i>	<i>\$ 557.50</i>

I-494 Corridor Project (2014-05)

Plat review set up for I-494 project.

Technicians/Administrative	\$ 76.50
<i>Subtotal, I-494 Corridor Project</i>	<i>\$ 76.50</i>

Fernbrook Lane Emergency Crossing – Plymouth Creek (2014-06)

Communications and coordination with City staff and its consultant regarding emergency culvert replacement at Fernbrook Avenue; prepared XP-SWMM model based on Atlas 14 rainfall and provided results to City staff; provided XP SWMM model and conditional use license to Plymouth staff; internal discussion regarding flood elevations; communications with city's consultant regarding project status; reviewed plans and prepared letter of recommendation.

James P. Herbert, Principal Engineer/Scientist	
9.1 hours @ \$165.00 per hour	\$ 1,501.50
Karen L. Chandler, Consultant/Advisor	
2.0 hours @ \$155.00 per hour	\$ 310.00
Rita W. Weaver, Engineer/Scientist/Specialist III	
3.9 hours @ \$125.00 per hour	\$ 487.50

Patrick E. Brockamp, Engineer/Scientist/Specialist I	
0.1 hours @ \$75.00 per hour	\$ 7.50
John E. McCarthy, Engineer/Scientist/Specialist I	
4.0 hours @ \$85.00 per hour	\$ 340.00
Technicians/Administrative	\$ 59.50
<i>Subtotal, Fernbrook Lane Emerg Crossing-Ply Crk.....</i>	<i>\$ 2,706.00</i>

Bottineau Transitway DEIS (2014-07)

Reviewed past comment letter.

Karen L. Chandler, Consultant/Advisor	
0.3 hours @ \$155.00 per hour	\$ 46.50
Technicians/Administrative	\$ 8.50
<i>Subtotal, Bottineau Transitway DEIS.....</i>	<i>\$ 55.00</i>

Medivators Parking Lot Demo/Rebuild (2014-08)

Correspondence with applicant; preliminary review and coordination regarding project.

James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$165.00 per hour	\$ 82.50
Technicians/Administrative	\$ 42.50
<i>Subtotal, Medivators Parking Lot Demo/Rebuild.....</i>	<i>\$ 125.00</i>

Lock-Up Storage (2014-09)

Correspondence with applicant; preliminary review and coordination regarding project.

James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$165.00 per hour	\$ 82.50
Technicians/Administrative	\$ 42.50
<i>Subtotal, Lock-Up Storage.....</i>	<i>\$ 125.00</i>

<i>Subtotal Plat Review.....</i>	<i>\$ 4,266.00</i>
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COMMISSION AND TAC MEETINGS

Attended April 17th Commission meeting, April 21st Plan Steering Committee meeting and April 14th workshop.

Karen L. Chandler, Consultant/Advisor	
9.4 hours @ \$155.00 per hour	\$ 1,457.00
<i>Subtotal, Commission Meetings.....</i>	<i>\$ 1,457.00</i>

WATER QUALITY MONITORING

Prepared macrophyte maps, updated trend analysis for Northwood Lake and prepared final water quality report for Northwood, North and South Rice Ponds; prepared for and performed 2014 ice-out monitoring for Twin and Sweeney Lake.

Margaret R. Rattei, Engineer/Scientist/Specialist II	
10.7 hours @ \$120.00 per hour.....	\$ 1,284.00
Joshua R. Vosejka, Engineer/Scientist/Specialist I	
1.8 hours @ \$70.00 per hour	\$ 126.00
Technicians/Administrative	\$ 1,528.50
Expenses (Mileage/2WD vehicle/canoe/turbidimeter/water quality meter/Kemmerer vertical bottle sample).....	\$ 150.20
<i>Subtotal, Water Quality Monitoring.....</i>	<i>\$ 3,088.70</i>

WATER QUANTITY

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

Technicians/Administrative	\$ 360.00
Expenses (Mileage/2WD vehicle).....	\$ 54.12
<i>Subtotal, Water Quantity</i>	<i>\$ 414.12</i>

DOUBLE BOX CULVERT INSPECTION

Preliminary review and coordination.

Joel N. Swenson, Engineer/Scientist/Specialist II	
0.5 hours @ \$120.00 per hour.....	\$ 60.00
<i>Subtotal, Double Box Culvert Inspection</i>	<i>\$ 60.00</i>
TOTAL ENGINEERING	\$ 25,115.32

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Expenses (Postage).....	\$ 57.66
TOTAL SECRETARIAL SERVICES EXPENSES	\$ 57.66

PLANNING

NEXT GENERATION PLAN

Reviewed policies slated for Commission review at April workshop; provided April Commission workshop materials to administrator; reviewed workshop materials; discussed budget with administrator; revised/finalized presentation for April Commission workshop; discussed PSC meeting agenda with administrator; internal staff meeting regarding workshop and preparation for and attendance at April 14 workshop; reviewed draft shoreland policies; meeting with administrator regarding PSC meetings; reviewed email regarding ditches; revised policies; prepared for and attended April 21 PSC meeting including revised water quality classification and standards table; revised policy for Commission workshop; printed, assembled, mailed, and distributed workshop meeting packets.

Karen L. Chandler, Consultant/Advisor	
14.8 hours @ \$155.00 per hour.....	\$ 2,294.00
Sterling G. Williams, Engineer/Scientist/Specialist II	
10.5 hours @ \$115.00 per hour.....	\$ 1,207.50
Technicians/Administrative	\$ 42.50
Expenses (Postage).....	\$ 3.64
<i>Subtotal, Next Generation Plan</i>	<i>\$ 3,547.64</i>

TOTAL PLANNING (Next Generation Plan)\$ 3,547.64

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

TOTAL PLANNING (Maintenance Funds).....\$ 0.00

ANNUAL REPORT

ANNUAL REPORT

Coordination with administrator; reviewed 2012 report and prepared 2013 report edits regarding 2012/2014 CWF grant efforts

Karen L. Chandler, Consultant/Advisor	
1.7 hours @ \$155.00 per hour.....	\$ 263.50
Amy R. Mikus, Engineer/Scientist/Specialist I	
1.0 hours @ \$85.00 per hour	\$ 85.00

TOTAL ANNUAL REPORT.....\$ 348.50

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)

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

Communications with MPRB consultant regarding 90% review comments.

Karen L. Chandler, Consultant/Advisor	
0.2 hours @ \$155.00 per hour	\$ 31.00
<i>Subtotal, Cedar Lk Rd to Golden Valley Rd, 2012 Main Stem</i>	
	<i>31.00</i>

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

Communications with administrator and internal staff regarding feasibility study review process; reviewed draft feasibility study and prepared preliminary comments.

Karen L. Chandler, Consultant/Advisor	
0.5 hours @ \$155.00 per hour	77.50
Jeffrey D. Weiss, Engineer/Scientist/Specialist II	
5.5 hours @ \$115.00 per hour	632.50
<i>Subtotal, Main Stem: 10th Ave – Duluth Street</i>	
	<i>710.00</i>

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)	741.00
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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 WORK

TMDL IMPLEMENTATION REPORTING

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

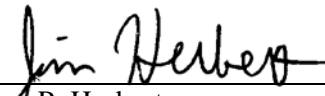
Gregory J. Wilson, Engineer/Scientist/Specialist III	
4.0 hours @ \$145.00 per hour	580.00
Joshua R. Vosejpka, Engineer/Scientist/Specialist I	
0.5 hours @ \$70.00 per hour	35.00
<i>Subtotal, TMDL Studies.....</i>	
	<i>615.00</i>

TOTAL TMDL STUDIES	615.00
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SUMMARY TOTALS

Total Engineering	\$ 25,115.32
Total Secretarial Services Expenses.....	\$ 57.66
Total Planning (Next Generation Plan)	\$ 3,547.64
Total Planning (Maintenance Funds)	\$ 0.00
Total Annual Report/Website/Public Communications	\$ 348.50
Total WOMP	\$ 0.00
Total Capital Improvement Projects (Tax Levy)	\$ 741.00
Total Capital Improvement Projects (Maintenance Funds).....	\$ 0.00
Total TMDL Studies.....	\$ 615.00
TOTAL PAYABLE	\$ 30,425.12

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