



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

Page # 1
 Invoice # 2327051-2009-5
 Project # 23/27-051
 Client # 59
 July 2, 2009

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
 May 30, 2009 through June 26, 2009

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, watershed communities, developers in the watershed, Minneapolis Park and Recreation Board, Mississippi Watershed Management Organization, Minnesota Department of Transportation, Hennepin County, Minnesota Board of Water and Soil Resources, Metropolitan Council, Minnesota Pollution Control Agency, Corps of Engineers and interested citizens; emails to/from Joel Settles regarding minor plan amendment and preliminary 2010 levy amounts; communications regarding Bassett Creek and Plymouth Creek feasibility studies

James P. Herbert, Principal Engineer/Scientist		
0.5 hours @ \$140.00 per hour	\$	70.00
Leonard J. Kremer, Principal Engineer/Scientist		
1.2 hours @ \$155.00 per hour	\$	186.00
Karen L. Chandler, Senior Consultant		
2.0 hours @ \$140.00 per hour	\$	280.00
Technicians/Administrative	\$	320.00
Subtotal, Technical Services	\$	856.00

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments; provided watershed hydraulic information, flood profiles and BCWMC development requirements to applicants; telephone conversation with Xcel Energy regarding relocation of pole/guy wire in Bassett Creek; email correspondence with TRPD and Medicine Lake resident regarding Medicine Lake Fish kill; telephone conversation with Golden Valley resident regarding condominium grading project adjacent to Bassett Creek; preliminary review of site plan for Marriot development in St. Louis Park and correspondence regarding BCWMC requirements

James P. Herbert, Principal Engineer/Scientist		
5.7 hours @ \$140.00 per hour	\$	798.00
Subtotal, Preliminary Site/Corr	\$	798.00

MONTHLY MEETING PREPARATION

Preparation of monthly memorandums for BCWMC meeting; reviewed draft BCWMC meeting minutes, agenda and packet materials and discussed comments with Bassett Creek Recording Administrator; conference call with BCWMC Chair regarding meeting agenda; communications with Bassett Creek Recording Administrator; internal meetings regarding agenda, to-do list, meeting packet, minor plan amendment and Bassett Creek TMDL; prepared permit figures; internal meetings to discuss June 18 Commission meeting agenda, meeting memo(s) and agenda improvements, project website; telephone conversations with Golden Valley staff regarding Bassett Creek feasibility study; telephone conversations with Plymouth staff regarding Plymouth Creek study and Medicine Lake TMDL.

James P. Herbert, Principal Engineer/Scientist	
12.10 hours @ \$140.00 per hour	\$ 1,694.00
Leonard J. Kremer, Principal Engineer/Scientist	
5.1 hours @ \$155.00 per hour	\$ 790.50
Karen L. Chandler, Senior Consultant	
17.50 hours @ \$140.00 per hour	\$ 2,450.00
Michael B. Strong, Engineer/Scientist	
0.4 hours @ \$65.00 per hour	\$ 26.00
Expenses (Copies)	\$ 2.00
Subtotal, Monthly Memorandums	\$ 4,962.50
 Subtotal Technical Services	 \$ 6,616.50

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 were submitted prior to implementation of the fee schedule.

Crest Ridge Corporate Center

Erosion control inspection.	
Technicians/Administrative	\$ 72.00
Subtotal, Crest Ridge Corporate Center	\$ 72.00

Lowry Avenue Reconstruction

Erosion control inspection.	
Technicians/Administrative	\$ 96.00
Subtotal, Lowry Avenue Reconstruction	\$ 96.00

Co. Rd. 9 & 61 Erosion Repair

Erosion control inspection.

Technicians/Administrative	\$	72.00
Subtotal, Co. Rd. 9 & 61 Erosion Repair	\$	72.00

Crown Packaging

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Crown Packaging	\$	64.00

Hen Co Plymouth Library

Erosion control inspection.

Technicians/Administrative	\$	72.00
Subtotal, Hen Co Plymouth Library	\$	72.00

Grainger Parking

Erosion control inspection.

Technicians/Administrative	\$	64.00
Subtotal, Grainger Parking	\$	64.00

Cedar Lake Trail

Erosion control inspection.

Technicians/Administrative	\$	88.00
Subtotal, Cedar Lake Trail	\$	88.00

Hennepin Co. Regional Trail – Phase 2

Erosion control inspection; correspondence with Golden Valley and TRPD staff; reviewed drawings; performed inspection of trail; prepared letter of recommendation to city of Golden Valley and TRPD.

James P. Herbert, Principal Engineer/Scientist 5.7 hours @ \$140.00 per hour	\$	798.00
Technicians/Administrative	\$	96.00

Expenses (mileage)	\$ 11.00
Subtotal, Hen Co Regional Trail – Ph 2	\$ 905.00

Jake's Grill

Erosion control inspection.

Technicians/Administrative	\$ 72.00
Subtotal, Jake's Grill	\$ 72.00

Shops of Plymouth Town Center

Erosion control inspection.

Technicians/Administrative	\$ 96.00
Subtotal, Shops of Ply Town Center	\$ 96.00

Mortenson Co. Headquarters

Erosion control inspection.

Technicians/Administrative	\$ 72.00
Subtotal, Mortenson Co. Headquarters	\$ 72.00

Beacon Academy

Erosion control inspection.

Technicians/Administrative	\$ 72.00
Subtotal, Beacon Academy	\$ 72.00

CSAH 73/Frontage Rd. Reconstruction

Erosion control inspection.

Technicians/Administrative	\$ 72.00
Subtotal, CSAH 73/Frontage Rd. Reconstruction	\$ 72.00

Toll Gas & Welding Imp.

Erosion control inspection.

Technicians/Administrative	\$ 72.00
Subtotal, Toll Gas & Welding Imp	\$ 72.00

West Lutheran School

Erosion control inspection.

Technicians/Administrative	\$	72.00
Subtotal, West Lutheran School	\$	72.00

Timber Creek

Erosion control inspection.

Technicians/Administrative	\$	72.00
Subtotal, Timber Creek	\$	72.00

9209 40-1/2 Avenue North

Correspondence with New Hope staff; reviewed status of variance request and proposed mitigation plan.

James P. Herbert, Principal Engineer/Scientist 0.6 hours @ \$140.00 per hour	\$	<u>84.00</u>
Subtotal, 9209 40 1/2 Avenue North	\$	84.00

Crystal Cub Foods Fueling Ctr

Erosion control inspection.

Technicians/Administrative	\$	72.00
Subtotal, Crystal Cub Foods Fueling Ctr	\$	72.00

26th Ave/Plymouth Creek Culvert Replacement

Telephone conversations and email correspondence with city staff and its consultant; reviewed final culvert crossing drawings; prepared letter of approval to City of Plymouth.

James P. Herbert, Principal Engineer/Scientist 2.6 hours @ \$140.00 per hour	\$	<u>364.00</u>
Subtotal, 26 th Ave/Plymouth Creek Culvert Replacement	\$	364.00

Plymouth Middle School

Several telephone conversations and email correspondence with applicant and city staff; reviewed grading, drainage and erosion control plans; reviewed proposed underground treatment system; modeled (P8) performance of proposed underground treatment system for total phosphorus removal; prepared memorandum for BCWMC meeting; prepared letter of approval to City of Plymouth.

James P. Herbert, Principal Engineer/Scientist 13.70 hours @ \$140.00 per hour	\$	1,918.00
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Karen L. Chandler, Senior Consultant		
0.40 hours @ \$140.00 per hour	\$ 56.00
Janna M. Kieffer, Senior Engineer/Scientist		
3.0 hours @ \$105.00 per hour	.....	\$ 315.00
Technicians/Administrative	.....	\$ 96.00
Subtotal, Plymouth Middle School	.....	\$ 2,385.00

Subtotal Plat Review \$ 4,938.00

COMMISSION MEETINGS

Attend June 18, 2009 Commission meeting

Karen L. Chandler, Senior Consultant		
4.0 hours @ \$140.00 per hour	.....	\$ 560.00
Expenses (mileage)	.....	\$ 11.55
Subtotal, TAC Meeting	.....	\$ 571.55

SURVEYS AND STUDIES

Coordination of watershed tour with city staff regarding proposed stops and access; prepared final tour map and tour description; prepared final tour itinerary/handout and photos; prepared draft tour invitation and coordinated with Bassett Creek Recording Administrator. *(Although, two of Barr's engineers participated in the tour, the BCWMC was billed for attendance for one engineer.)* Provided Wirth Lake outlet structure data to MPCA.

James P. Herbert, Principal Engineer/Scientist		
6.0 hours @ \$140.00 per hour	.....	\$ 840.00
Leonard J. Kremer, Principal Engineer/Scientist		
0.6 hours @ \$155.00 per hour	.....	\$ 93.00
Karen L. Chandler, Senior Consultant		
10.3 hours @ \$140.00 per hour	.....	\$ 1,442.00
Jennifer Koehler, Engineer/Scientist		
0.9 hours @ \$90.00 per hour	.....	\$ 81.00
Amy Meulebroeck, Engineer/Scientist		
2.1 hours @ \$65.00 per hour	.....	\$ 136.50
Expenses (mileage/materials/equipment)	.....	\$ 16.50
Subtotal, Surveys and Studies	.....	\$ 2,609.00

WATER QUANTITY

Measured and reviewed lake level elevations as part of the lake-gauging program; coordination with St. Louis Park regarding monitoring at Westwood Lake.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$140.00 per hour	\$ 140.00
Technicians/Administrative	\$ 288.00
Expenses (Mileage, 2WD field vehicle/mileage)	\$ 99.45
Subtotal, Water Quantity	\$ 527.45

WATERSHED INSPECTION

Performed erosion control inspections of construction sites; prepare letter regarding erosion control inspection and improvements required for effective erosion control.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$140.00 per hour	\$ 140.00
Technicians/Administrative	\$ 368.00
Expenses (Equipment/Mileage)	\$ 156.00
Subtotal, Watershed Inspection	\$ 664.00

TOTAL ENGINEERING \$ 15,926.50

SECRETARIAL SERVICES

SECRETARIAL SERVICES EXPENSES

Administrative expenses requested by Amy Herbert including: copies, color copies for meeting packet; postage, video digital capture/conversion and BCWMC meeting catering; packet assembly; assistance with preparation of 2008 annual report.

Technicians/Administrative	\$ 277.50
Expenses (B&W/color copies/binding/InterCall Raindance)	\$ 712.32
Catering (BCWMC meeting date)	\$ -0-
TOTAL SECRETARIAL SERVICES EXPENSES	\$ 989.82

PUBLIC RELATIONS

PUBLIC RELATIONS/ANNUAL REPORT/WOMP

Coordination with Amy to finalize 2008 annual report; coordination with Met Council and MPRB regarding 2009 WOMP station.

James P. Herbert, Principal Engineer/Scientist		
1.0 hours @ \$140.00 per hour	\$	140.00
Christopher Bonick, Senior Engineer/Scientist		
4.0 hours @ \$100.00 per hour	\$	400.00
Expenses (Sonik ADV)	\$	64.00
Subtotal, Public Relations/WOMP	\$	604.00
TOTAL PUBLIC RELATIONS	\$	604.00

CAPITAL IMPROVEMENT PROJECTS

TWIN LAKE

Communication and coordination with City of Golden Valley staff; developed topographic maps of wetland on south end of Twin Lake; attended meeting with City of Golden Valley staff.

Leonard J. Kremer, Principal Engineer/Scientist		
2.5 hours @ \$155.00 per hour	\$	387.50
Jennifer Koehler, Engineer/Scientist		
1.1 hours @ \$90.00 per hour	\$	99.00
Expenses (mileage)	\$	12.10
Subtotal, Twin Lake	\$	498.60

PLYMOUTH CREEK RESTORATION

Communication and coordination with City of Plymouth Staff regarding Plymouth Creek Restoration plan; prepared streambank erosion estimates.

Gregory J. Wilson, Senior Consultant		
0.5 hours @ \$135.00 per hour	\$	67.50
Subtotal, Plymouth Creek Restoration	\$	67.50

RESOURCE MANAGEMENT PLAN (RMP)

Communications with Corps of Engineers regarding RMP.

Jeffrey T. Lee, Senior Consultant	
2.1 hours @ \$130.00 per hour	\$ 273.00
Subtotal, Resource Management Plan	\$ 273.00

TOTAL CAPITAL IMPROVEMENT PROJECTS \$ 839.10

TMDL STUDIES

SWEENEY LAKE TMDL

Coordination regarding Sweeney Lake TMDL; provided support to Golden Valley identifying new BMPs constructed in the Sweeney Lake watershed since adoption of the Bassett Creek Plan; performed analysis of identified BMPs per request of MPCA.

Leonard J. Kremer, Principal Engineer	
10.5 hours @ \$155.00 per hour	\$ 1,627.50
James P. Herbert, Principal Engineer/Scientist	
5.7 hours @ \$140.00 per hour	\$ 798.00
Expenses (mileage)	\$ 13.20
Subtotal, Sweeney Lake TMDL	\$ 2,438.70

MEDICINE LAKE TMDL

Coordination regarding Medicine Lake TMDL; reviewed P8 Modeling prepared for Plymouth Creek watershed and attended meeting with Hans Holmberg to discuss watershed modeling; communications with Chair Welsh and TAC.

Leonard J. Kremer, Principal Engineer	
10.7 hours @ \$155.00 per hour	\$ 1,658.50
Gregory J. Wilson, Senior Consultant	
7.3 hours @ \$135.00 per hour	\$ 985.50
Subtotal, Medicine Lake TMDL	\$ 2,644.00

E-COLI SAMPLING

Communications with MPCA staff; coordination regarding E-Coli sampling; prepared labels and organized sampling bottles, collected e-coli samples and delivered samples to lab.

Margaret Rattei, Senior Consultant	
1.5 hours @ \$110.00 per hour	\$ 165.00
Matthew A. Hernick, Engineer/Scientist	
10.8 hours @ \$75.00 per hour	\$ 810.00
Technicians/Administrative	\$ 6.50
Expenses (Mileage/surgical gloves)	\$ 63.40
Subtotal, E-coli Sampling	\$ 1,044.90
TOTAL TMDL STUDIES	\$ 6,127.60

SUMMARY TOTALS

Total Engineering	\$ 15,926.50
Total Secretarial Services Expenses	\$ 989.82
Total Public Relations	\$ 604.00
Total Capital Improvement Projects	\$ 839.10
Total TMDL Studies	\$ 6,127.60
TOTAL PAYABLE	\$ 24,487.02

Barr declares under the penalties of law
 that this account, claim or demand
 is just and that no part of it has been
 paid.


 Leonard J. Kremer