

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

Page # 1
Invoice # 2327051-2009-9
Project # 23/27-051
Client # 59
November 6, 2009

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
September 26, 2009 through October 30, 2009

ENGINEERING

TECHNICAL SERVICES

Calls/emails to or from the Commissioners, watershed communities, developers in the watershed, Minneapolis Park and Recreation Board (MPRB), Three Rivers Park District (TRPD), Mississippi Watershed Management Organization, Minnesota Department of Transportation (Mn/DOT), Hennepin County, Minnesota Board of Water and Soil Resources (BWSR), Metropolitan Council Environmental Services (MCES), Minnesota Pollution Control Agency (MPCA), Corps of Engineers and interested citizens; reviewed WOMP monitoring parameters; review of current monitoring on Bassett Creek; internal meeting regarding Hennepin County governance study; correspondence with City of Golden Valley staff; provided BCWMC budget information to Hennepin County; reviewed Hennepin County Plan and discussed with Hennepin Co. staff.

James P. Herbert, Principal Engineer/Scientist	
1.2 hours @ \$140.00 per hour	\$ 168.00
Leonard J. Kremer, Principal Engineer/Scientist	
13.4 hours @ \$155.00 per hour	\$ 2,077.00
Karen L. Chandler, Senior Consultant	
1.4 hours @ \$140.00 per hour	\$ 196.00
Technicians/Administrative	\$ 286.50
Expenses (copies)	\$ 3.00
Subtotal, Technical Services	\$ 2,730.50

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments; provided watershed hydraulic information, flood profiles and BCWMC development requirements to applicants; communication with applicant regarding BCWMC requirements for site expansion at St. Ann site in Minneapolis; telephone discussion regarding proposed development near Sweeney Lake in Golden Valley; telephone conversation with Welch Companies regarding proposed site redevelopment; telephone conversation with Westwood Engineering regarding proposed site redevelopment.

James P. Herbert, Principal Engineer/Scientist 2.9 hours @ \$140.00 per hour	\$ 406.00
Subtotal, Preliminary Site/Corr	\$ 406.00

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 and meeting packet and October 15 meeting; prepared permit figures; reviewed CIP account balance; prepared BCWMC maintenance memorandum; internal meetings regarding stream restoration maintenance.

James P. Herbert, Principal Engineer/Scientist 21.9 hours @ \$140.00 per hour	\$ 3,066.00
Leonard J. Kremer, Principal Engineer/Scientist 9.5 hours @ \$155.00 per hour	\$ 1,472.50
Jeffrey T. Lee, Senior Consultant 1.5 hours @ \$130.00 per hour	\$ 195.00
Karen L. Chandler, Senior Consultant 20.2 hours @ \$140.00 per hour	\$ 2,828.00
Subtotal, Monthly Memorandums	\$ 7,561.50

CHANNEL MAINTENANCE FUND

Coordination regarding channel maintenance fund.

Leonard J. Kremer, Principal Engineer/Scientist 1.0 hours @ \$155.00 per hour	\$ 155.00
Subtotal, Channel Maintenance Fund	\$ 155.00

TAC MEETING PREPARATION

Prepared TAC agenda for November 5, 2009 meeting and coordinated with Amy; prepared draft memo to TAC; communications with Chair Welch regarding draft memo to TAC; revised memorandum and coordinated with Bassett Creek Recording Administrator regarding TAC packet

Leonard J. Kremer, Principal Engineer/Scientist 4.5 hours @ \$155.00 per hour	\$ 697.50
Karen L. Chandler, Senior Consultant 4.0 hours @ \$140.00 per hour	\$ 560.00
Subtotal, TAC Meeting Preparation	\$ 1,257.50

Subtotal Technical Services \$ 12,110.50

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	\$ 64.00
Subtotal, Crest Ridge Corporate Center	\$ 64.00

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	\$ 96.00
Subtotal, Hen Co Plymouth Library	\$ 96.00

Cedar Lake Trail

Erosion control inspection.	
Technicians/Administrative	\$ 104.00
Subtotal, Cedar Lake Trail	\$ 104.00

Zero-Max

Erosion control inspection.

Technicians/Administrative	\$ 64.00
Subtotal, Zero-Max	\$ 64.00

Hennepin Co. Regional Trail – Phase 2

Erosion control inspection.

Technicians/Administrative	\$ 96.00
Subtotal, Hen Co Regional Trail – Ph 2	\$ 96.00

Shops of Plymouth Town Center

Erosion control inspection.

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

1240 Angelo Drive

Erosion control inspection.

Technicians/Administrative	\$ 64.00
Subtotal, 1240 Angelo Drive	\$ 64.00

Beacon Academy

Erosion control inspection.

Technicians/Administrative	\$ 64.00
Subtotal, Beacon Academy	\$ 64.00

Toll Gas & Welding Imp.

Erosion control inspection.

Technicians/Administrative	\$ 48.00
Subtotal, Toll Gas & Welding Imp	\$ 48.00

Timber Creek

Erosion control inspection.

Technicians/Administrative	\$ 64.00
Subtotal, Timber Creek	\$ 64.00

Plymouth Creek Ponds

Erosion control inspection.

Technicians/Administrative	\$ 64.00
Subtotal, Plymouth Creek Ponds	\$ 64.00

Teachers Federal Credit Union

Coordination with applicant and city regarding proposed development

James P. Herbert, Principal Engineer/Scientist 2.3 hours @ \$140.00 per hour	\$ 322.00
Subtotal, Teachers Federal Credit Union	\$ 322.00

Crystal Cub Foods Fueling Ctr

Erosion control inspection.

Technicians/Administrative	\$ 80.00
Subtotal, Crystal Cub Foods Fueling Ctr	\$ 80.00

2009 Mtka St Rehab-Sherwood Forest Neighborhood

Erosion control inspection.

Technicians/Administrative	\$ 112.00
Subtotal, 2009 Mtka St Rehab-Sherwood Forest Neighborhood	\$ 112.00

26th Ave/Plymouth Creek Culvert Replacement

Erosion control inspection.

Technicians/Administrative	\$ 80.00
Subtotal, 26 th Ave/Plymouth Creek Culvert Replacement	\$ 80.00

Plymouth Middle School

Erosion control inspection.

Technicians/Administrative	\$ 80.00
Subtotal, Plymouth Middle School	\$ 80.00

Laurel Hills Condo

Erosion control inspection.

Technicians/Administrative	\$ 112.00
Subtotal, Laurel Hills Condo	\$ 112.00

36th Avenue Reconstruction

Erosion control inspection.

Technicians/Administrative	\$ 64.00
Subtotal, 36 th Avenue Reconstruction	\$ 64.00

Subtotal Plat Review \$ 1,906.00

COMMISSION MEETINGS

Attended October 15, 2009 Commission meeting

Karen L. Chandler, Senior Consultant 3.5 hours @ \$140.00 per hour	\$ 490.00
Subtotal, Commission Meetings	\$ 490.00

SURVEYS AND STUDIES

Reviewed Medicine Lake historical lake levels; reviewed Medicine Lake dam; prepared memorandum to AMLAC from BCWMC summarizing Medicine Lake historic water levels; communications with Terrie Christian/AMLAC regarding AMLAC newsletter article about Medicine Lake low water levels; coordination with Chair Welch regarding AMLAC memorandum; reviewed grant information from BWSR website; prepared email to Joel Settles regarding grant decision date; reviewed MPCA's SWAG grant program for Bassett Creek; correspondence with Plymouth staff regarding grant applications; correspondence with Chair Welch regarding SWAG grants; telephone call from Barb Peichel/MPCA regarding SWAG and MPCA monitoring goals; reviewed Clean Water Funds (CWF) RFP; communication with Commissioner Langsdorf regarding CWF grants; drafted memo regarding CWF grants and projects; began preparation of BWSR CWF grant application; emails to Chair Welch regarding BWSR and Hennepin county grants; prepared map showing Minneapolis erosion inventory sites

James P. Herbert, Principal Engineer/Scientist		
4.6 hours @ \$140.00 per hour	.....	\$ 644.00
Timothy J. Anderson, Senior Consultant		
1.0 hours @ \$135.00 per hour	.....	\$ 135.00
Karen L. Chandler, Senior Consultant		
14.1 hours @ \$140.00 per hour	.....	\$ 1,974.00
Kevin Menken, Senior Engineer/Scientist		
3.5 hours @ \$90.00 per hour	.....	\$ 315.00
Expenses (copies)	.....	\$ <u>2.25</u>
Subtotal, Surveys and Studies	.....	\$ 3,070.25

WATER QUALITY MONITORING (Biotic Index Monitoring & Northwood / Rice Lake Monitoring)

Data analyses and preliminary water quality monitoring report preparation for Northwood Lake, South Rice Lake, Sweeney Lake and Twin Lake; preparation for invertebrate monitoring and collection of samples along Bassett Creek and Plymouth Creek; coordination with laboratory for analysis.

Margaret R Rattei, Senior Consultant		
2.7 hours @ \$110.00 per hour	.....	\$ 297.00
Jessica Butler, Engineer/Scientist		
0.3 hours @ \$85.00 per hour	.....	\$ 25.50
Technicians/Administrative	.....	\$ 547.00
Expenses (Mileage, 2WD field vehicle)	.....	\$ <u>41.75</u>
Subtotal, Water Quality Monitoring	.....	\$ 911.25

WATER QUANTITY

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

Technicians/Administrative	.....	\$ 912.00
Expenses (Mileage, 2WD field vehicle/mileage)	.....	\$ <u>153.30</u>
Subtotal, Water Quantity	.....	\$ 1,065.30

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		
1.4 hours @ \$140.00 per hour	.....	\$ 196.00

Technicians/Administrative	\$ 528.00
Expenses (Equipment/Mileage)	\$ <u>156.00</u>
Subtotal, Watershed Inspection	\$ 880.00

FLOOD CONTROL PROJECT INSPECTION

Coordination with City of Minneapolis and Corps of Engineers staff regarding double box culvert inspection; preliminary preparation for annual flood control inspection.

James P. Herbert, Principal Engineer/Scientist 2.5 hours @ \$140.00 per hour	\$ 350.00
Jacob Burggraff, Senior Consultant 4.3 hours @ \$115.00 per hour	\$ <u>494.50</u>
Subtotal, Flood Control Project Inspection	\$ 844.50

REVIEW MUNICIPAL PLANS

Calls to/from City of Crystal's staff and consultant regarding Crystal Local Surface Water Mgmt Plan (LSWMP); reviewed Crystal LSWMP and prepared memorandum and recommendations to BCWMC; correspondence with Met Council regarding review of Crystal LSWMP; attended meeting to discuss Crystal LSWMP review. Coordination with City of New Hope staff regarding final copy of New Hope local water management plan.

Karen L. Chandler, Senior Consultant 9.5 hours @ \$140.00 per hour	\$ 1,330.00
Sterling Williams, Engineer/Scientist 16.5 hours @ \$90.00 per hour	\$ <u>1,485.00</u>
Subtotal, Municipal Plans	\$ 2,815.00

TOTAL ENGINEERING **\$ 24,092.80**

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; report assembly,

Technicians/Administrative	\$	75.00
Expenses (B&W/color copies/binding/postage/WebEx Communications)	\$	151.00
Catering (BCWMC meeting date)	\$	<u>-0-</u>
TOTAL SECRETARIAL SERVICES EXPENSES	\$	285.58

PUBLIC RELATIONS

TOTAL PUBLIC RELATIONS	\$	0.00
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CAPITAL IMPROVEMENT PROJECTS

RESOURCE MANAGEMENT PLAN (RMP)

Coordination with Joe Yanta at Corps of Engineers regarding final report.

Leonard J. Kremer, Principal Engineer/Scientist 1.0 hours @ \$155.00 per hour	\$	155.00
Jeffrey T. Lee, Senior Consultant 0.5 hours @ \$130.00 per hour	\$	<u>65.00</u>
Subtotal, Resource Management Plan	\$	220.00

CIRCLE PARK POND (PL-6)

Correspondence with Plymouth staff and Amy; reviewed revised drawings and prepared memorandum to BCWMC; coordination with Plymouth and BCWMC regarding amendment to agreement.

James P. Herbert, Principal Engineer/Scientist 3.0 hours @ \$140.00 per hour	\$	420.00
Michael Strong, Engineer/Scientist 0.5 hours @ \$65.00 per hour	\$	<u>32.50</u>
Subtotal, Circle Park Pond (PL-6)	\$	452.50

TOTAL CAPITAL IMPROVEMENT PROJECTS	\$	672.50
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TMDL STUDIES

MEDICINE LAKE TMDL

Coordination regarding Medicine Lake TMDL ; communications with Minnetonka and Golden Valley staff; internal meeting regarding October 22 Steering Committee meeting and draft TMDL; review draft TMDL and attended October 29 public meeting; reviewed comments from October 29 public meeting

Leonard J. Kremer, Principal Engineer	
10.2 hours @ \$155.00 per hour	\$ 1,581.00
Karen L. Chandler, Senior Consultant	
4.0 hours @ \$140.00 per hour	\$ 560.00
Gregory J. Wilson, Senior Consultant	
1.5 hours @ \$135.00 per hour	\$ 202.50
Expenses (mileage)	\$ 24.75
Subtotal, Medicine Lake TMDL	\$ 2,368.25

SWEENEY LAKE TMDL

Coordination regarding Sweeney Lake TMDL with BCWMC, SEH, MPCA and BCWMC; reviewed responses to comments on Sweeney Lake TDML Draft Report; reviewed/edited draft letter to MPCA regarding TMDL report; correspondence with Ron Leaf/SEH regarding draft implementation plan for December Commission meeting

Leonard J. Kremer, Principal Engineer	
3.4 hours @ \$155.00 per hour	\$ 527.00
Karen L. Chandler, Senior Consultant	
1.2 hours @ \$140.00 per hour	\$ 168.00
Subtotal, Sweeney Lake TMDL	\$ 695.00

WIRTH LAKE TMDL

Coordination regarding Wirth Lake TMDL and prepared cost estimate for proposed TMDL implementation for grant request.

James P. Herbert, Principal Engineer/Scientist	
1.0 hours @ \$140.00 per hour	\$ 140.00
Subtotal, Wirth Lake TMDL	\$ 140.00

E-COLI SAMPLING

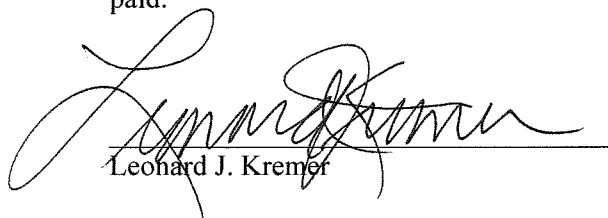
Coordination regarding E-Coli sampling and laboratory analysis.

Technicians/Administrative	\$	40.00
Expenses (mileage)	\$	<u>35.20</u>
Subtotal, E-coli Sampling	\$	75.20
TOTAL TMDL STUDIES	\$	3,278.45

SUMMARY TOTALS

Total Engineering	\$	24,092.80
Total Secretarial Services Expenses	\$	285.58
Total Public Relations	\$	0.00
Total Capital Improvement Projects	\$	672.50
Total TMDL Studies	\$	<u>3,278.45</u>
TOTAL PAYABLE	\$	28,329.33

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