



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

Page # 1
 Invoice # 2327051-2009-6
 Project # 23/27-051
 Client # 59
 August 10, 2009

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
 June 27, 2009 through July 31, 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; Communication with Charlie LeFevere and Golden Valley staff regarding subpoena related to litigation between city of Golden Valley and resident adjacent to Bassett Creek Drive project; reviewed and prepared copies of all BCWMC correspondence regarding Bassett Creek Drive project and provided to Mr. LeFevere for review; email correspondence with Derek Asche regarding 319 funding; email correspondence with Chair Welch regarding BWSR clean water funding; emails correspondence with Chair Welch regarding watershed issues; communication with discussion City of Minneapolis regarding Wirth Lake beach.

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|---|-------------|
| James P. Herbert, Principal Engineer/Scientist | |
| 3.0 hours @ \$140.00 per hour | \$ 420.00 |
| Leonard J. Kremer, Principal Engineer/Scientist | |
| 8.1 hours @ \$155.00 per hour | \$ 1,255.50 |
| Karen L. Chandler, Senior Consultant | |
| 9.4 hours @ \$140.00 per hour | \$ 1,316.00 |
| Technicians/Administrative | \$ 435.00 |
| Expenses (copies/postage) | \$ 96.40 |
| Subtotal, Technical Services | \$ 3,522.90 |

PRELIMINARY SITE REVIEW/CORRESPONDENCE

Telephone conversations regarding proposed developments; provided watershed hydraulic information, flood profiles and BCWMC development requirements to applicants; preliminary review of utility project at Wirth Golf course; correspondence with city and consultant regarding BCWMC requirements.

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| James P. Herbert, Principal Engineer/Scientist | |
| 2.3 hours @ \$140.00 per hour | \$ 322.00 |
| Subtotal, Preliminary Site/Corr | \$ 322.00 |

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.

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| Technicians/Administrative | \$ 88.00 |
| Subtotal, Crest Ridge Corporate Center | \$ 88.00 |

Lowry Avenue Reconstruction

Erosion control inspection.

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|---|----------|
| Technicians/Administrative | \$ 96.00 |
| Subtotal, Lowry Avenue Reconstruction | \$ 96.00 |

Plymouth 2008 Street Reconstruction

Erosion control inspection.

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|--|----------|
| Technicians/Administrative | \$ 96.00 |
| Subtotal, Plymouth 2008 Street Reconst | \$ 96.00 |

Co. Rd. 9 & 61 Erosion Repair

Erosion control inspection.

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

Crown Packaging

Erosion control inspection.

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|----------------------------------|----------|
| Technicians/Administrative | \$ 72.00 |
| Subtotal, Crown Packaging | \$ 72.00 |

Hen Co Plymouth Library

Erosion control inspection.

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|---|----------|
| Technicians/Administrative | \$ 80.00 |
| Subtotal, Hen Co Plymouth Library | \$ 80.00 |

TH 55 Culvert Crossing

Erosion control inspection.

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|--|----------|
| Technicians/Administrative | \$ 64.00 |
| Subtotal, TH 55 Culvert Crossing | \$ 64.00 |

Grainger Parking

Erosion control inspection.

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

Cedar Lake Trail

Erosion control inspection.

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|----------------------------------|----------|
| Technicians/Administrative | \$ 64.00 |
| Subtotal, Cedar Lake Trail | \$ 64.00 |

Hidden Acres Addition

Erosion control inspection.

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|---------------------------------------|----------|
| Technicians/Administrative | \$ 64.00 |
| Subtotal, Hidden Acres Addition | \$ 64.00 |

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.

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|---|-----------|
| James P. Herbert, Principal Engineer/Scientist 3.8 hours @ \$140.00 per hour | \$ 532.00 |
| Technicians/Administrative | \$ 88.00 |
| Expenses (mileage) | \$ 11.00 |
| Subtotal, Hen Co Regional Trail – Ph 2 | \$ 631.00 |

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 \$ 88.00

Subtotal, Shops of Ply Town Center \$ 88.00

Mortenson Co. Headquarters

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Mortenson Co. Headquarters \$ 64.00

Beacon Academy

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Beacon Academy \$ 64.00

CSAH 73/Frontage Rd. Reconstruction

Erosion control inspection.

Technicians/Administrative \$ 96.00

Subtotal, CSAH 73/Frontage Rd. Reconstruction \$ 96.00

Toll Gas & Welding Imp.

Erosion control inspection.

Technicians/Administrative \$ 64.00

Subtotal, Toll Gas & Welding Imp \$ 64.00

West Lutheran School

Erosion control inspection.

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|--------------------------------------|----|-------|
| Technicians/Administrative | \$ | 88.00 |
| Subtotal, West Lutheran School | \$ | 88.00 |

Timber Creek

Erosion control inspection.

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|----------------------------------|----|-------|
| 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; prepared report to the BCWMC.

James P. Herbert, Principal Engineer/Scientist

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|-------------------------------------|----|---------------|
| 1.5 hours @ \$140.00 per hour | \$ | <u>210.00</u> |
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| Subtotal, 9209 40 1/2 Avenue North | \$ | 210.00 |
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Crystal Cub Foods Fueling Ctr

Erosion control inspection.

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

2009 Mtka St Rehab-Sherwood Forest Neighborhood

Erosion control inspection.

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|---|----|-------|
| Technicians/Administrative | \$ | 96.00 |
| Subtotal, 2009 Mtka St Rehab-Sherwood Forest Neighborhood | \$ | 96.00 |

26th Ave/Plymouth Creek Culvert Replacement

Erosion control inspection.

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|---|----|-------|
| Technicians/Administrative | \$ | 72.00 |
| Subtotal, 26 th Ave/Plymouth Creek Culvert Replacement | \$ | 72.00 |

Laurel Hills Condo

Correspondence with applicant and Golden Valley staff; reviewed grading, drainage and erosion control plan; prepared memorandum to the BCWMC; prepared letter of recommendation to City of Golden Valley.

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|---|-----------|
| James P. Herbert, Principal Engineer/Scientist 6.0 hours @ \$140.00 per hour | \$ 840.00 |
| Expenses (postage) | \$ 0.44 |
| Subtotal, Laurel Hills Condo | \$ 840.44 |

SP 2772-81 (TH 169 Medicine Lk Rd ramp)

Correspondence with Mn/DOT and Plymouth staff; reviewed street improvement plan; prepared letter of recommendation to Mn/DOT and City of Plymouth.

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|---|-----------|
| James P. Herbert, Principal Engineer/Scientist 5.7 hours @ \$140.00 per hour | \$ 798.00 |
| Subtotal, SP 2772-81 (TH 169 Medicine Lk Rd ramp) | \$ 798.00 |

Subtotal Plat Review \$ 4,087.44

COMMISSION MEETINGS

Attended July 13, 2009 TAC meeting to discuss Medicine Lake; attended July 16, 2000 Commission meeting.

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| Leonard J. Kremer, Principal Engineer/Scientist 8.0 hours @ \$155.00 per hour | \$ 1,240.00 |
| Gregory J. Wilson, Senior Consultant 5.3 hours @ \$135.00 per hour | \$ 715.50 |
| Expenses (mileage) | \$ 26.40 |
| Subtotal, TAC Meeting | \$ 1,981.90 |

WATER QUANTITY

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

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| Technicians/Administrative | \$ 880.00 |
| Expenses (Mileage, 2WD field vehicle/mileage) | \$ 122.50 |
| Subtotal, Water Quantity | \$ 1,005.80 |

WATERSHED INSPECTION

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

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| James P. Herbert, Principal Engineer/Scientist 1.4 hours @ \$140.00 per hour | \$ 196.00 |
| Technicians/Administrative | \$ 384.00 |
| Expenses (Equipment/Mileage) | <u>\$ 156.00</u> |
| Subtotal, Watershed Inspection | \$ 736.00 |

TOTAL ENGINEERING \$ 19,412.62

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.

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| Technicians/Administrative | \$ 726.50 |
| Expenses (B&W/color copies/binding/postage/InterCall Raindance) | \$ 184.69 |
| Catering (BCWMC meeting date) | <u>\$ -0-</u> |
| TOTAL SECRETARIAL SERVICES EXPENSES | \$ 911.19 |

PUBLIC RELATIONS

PUBLIC RELATIONS/ANNUAL REPORT/WOMP

Coordination with MPRB regarding 2009 WOMP station.

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|--|-----------|
| Leonard J. Kremer, Principal Engineer/Scientist 1.0 hours @ \$155.00 per hour | \$ 155.00 |
| Subtotal, Public Relations/WOMP | \$ 155.00 |

TOTAL PUBLIC RELATIONS \$ 155.00

CAPITAL IMPROVEMENT PROJECTS

WEST MEDICINE LAKE PARK POND

Internal discussions regarding future monitoring requirements to show impact of Plymouth Creek and West Medicine Lake Ponds projects; reviewed West Medicine Lake Park ponds construction plans with respect to future monitoring requirements.

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|---|-----------|
| Leonard J. Kremer, Principal Engineer/Scientist | |
| 1.0 hours @ \$155.00 per hour | \$ 155.00 |
| Karen L. Chandler, Senior Consultant | |
| 0.7 hours @ \$140.00 per hour | \$ 98.00 |
| Subtotal, W Medicine Lake Pk Pond | \$ 253.00 |

RESOURCE MANAGEMENT PLAN (RMP)

Revised RMP for COE; prepared report on a CD; prepared Plymouth Creek realignment figure.

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| Leonard J. Kremer, Principal Engineer/Scientist | |
| 5.0 hours @ \$155.00 per hour | \$ 775.00 |
| Jeffrey T. Lee, Senior Consultant | |
| 2.2 hours @ \$130.00 per hour | \$ 286.00 |
| Michael B. Strong, Engineer/Scientist | |
| 0.5 hours @ \$65.00 per hour | \$ 32.50 |
| Technicians/Administrative | \$ 400.50 |
| Expenses (B&W/color copies/binding) | \$ 92.64 |
| Subtotal, Resource Management Plan | \$ 1,586.64 |

PLYMOUTH CREEK FEASIBILITY

Internal meetings regarding Plymouth Creek feasibility study; prepared and revised Plymouth Creek Feasibility Study; prepared report on a CD; coordination with City of Plymouth regarding study; internal discussions regarding EAW & 401 certification and map issue; provided copy of draft study revisions to City of Plymouth; reviewed Phosphorus & TSS loading and calculated load reductions; revised report to include load reduction information and Plymouth staff comments; prepared and distributed revised study.

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|---|-------------|
| Leonard J. Kremer, Principal Engineer/Scientist | |
| 2.0 hours @ \$155.00 per hour | \$ 310.00 |
| Karen L. Chandler, Senior Consultant | |
| 18.2 hours @ \$140.00 per hour | \$ 2,548.00 |

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|--|-------------|
| Jeffrey T. Lee, Senior Consultant | |
| 3.9 hours @ \$130.00 per hour | \$ 507.00 |
| Jeffrey Weiss, Senior Engineer/Scientist | |
| 12.0 hours @ \$95.00 per hour | \$ 1,140.00 |
| Technicians/Administrative | \$ 192.00 |
| Subtotal, Plymouth Creek Feasibility | \$ 4,697.00 |

BASSETT CREEK FEASIBILITY STUDY

Internal meetings regarding Bassett Creek feasibility study; prepared and revised Bassett Creek Feasibility Study; coordination with City of Golden Valley regarding study; internal discussions; provided copy of draft study revisions to City of Golden Valley.

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|---|-------------|
| Jeffrey T. Lee, Senior Consultant | |
| 3.2 hours @ \$130.00 per hour | \$ 416.00 |
| Jeffrey Weiss, Senior Engineer/Scientist | |
| 47.6 hours @ \$95.00 per hour | \$ 4,522.00 |
| Subtotal, Bassett Creek Feasibility Study | \$ 4,938.00 |

TOTAL CAPITAL IMPROVEMENT PROJECTS \$ 11,474.64

TMDL STUDIES

MEDICINE LAKE TMDL

Coordination regarding Medicine Lake TMDL; discussions with MPCA and MPCA contractors, review of P8 modeling and monitoring data prepared for Plymouth Creek watershed; prepared memorandum with proposed comments on TMDL P8 model; prepared letter from BCWMC to MPCA and sent letter to Chris Zadak; communications with Chair Welsh.

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|---------------------------------------|-------------|
| Leonard J. Kremer, Principal Engineer | |
| 15.7 hours @ \$155.00 per hour | \$ 2,433.50 |
| Karen L. Chandler, Senior Consultant | |
| 5.8 hours @ \$140.00 per hour | \$ 812.00 |
| Gregory J. Wilson, Senior Consultant | |
| 22.7 hours @ \$135.00 per hour | \$ 3,064.50 |
| Expenses (WebEx Communications) | \$ 25.83 |
| Subtotal, Medicine Lake TMDL | \$ 6,335.83 |

SWEENEY LAKE TMDL

Coordination regarding Sweeney Lake TMDL with SEH; MPCA and BCWMC; performed analysis of BMPs per request of MPCA.

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| Leonard J. Kremer, Principal Engineer | |
| 3.8 hours @ \$155.00 per hour | \$ 589.00 |
| James P. Herbert, Principal Engineer/Scientist | |
| 1.0 hours @ \$140.00 per hour | \$ <u>140.00</u> |
| Subtotal, Sweeney Lake TMDL | \$ 729.00 |

WIRTH LAKE TMDL

Coordination regarding Wirth Lake TMDL with MPCA, BCWMC, Golden Valley and Minneapolis Parks staff.

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|---------------------------------------|------------------|
| Leonard J. Kremer, Principal Engineer | |
| 2.9 hours @ \$155.00 per hour | \$ <u>449.50</u> |
| Subtotal, Medicine Lake TMDL | \$ 449.50 |

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.

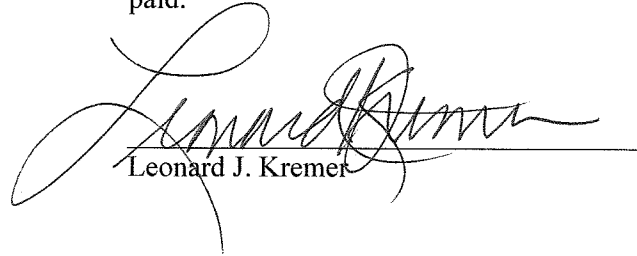
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|--|------------------|
| Margaret Rattei, Senior Consultant | |
| 0.7 hours @ \$110.00 per hour | \$ 77.00 |
| Matthew A. Hernick, Engineer/Scientist | |
| 8.5 hours @ \$75.00 per hour | \$ 637.50 |
| Technicians/Administrative | \$ 424.00 |
| Expenses (Mileage/2WD vehicle/ice/surgical gloves) | \$ <u>132.00</u> |
| Subtotal, E-coli Sampling | \$ 1,270.50 |

TOTAL TMDL STUDIES \$ **8,784.83**

SUMMARY TOTALS

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|--|---------------------|
| Total Engineering | \$ 19,412.62 |
| Total Secretarial Services Expenses | \$ 911.19 |
| Total Public Relations | \$ 155.00 |
| Total Capital Improvement Projects | \$ 11,474.64 |
| Total TMDL Studies | \$ 8,784.83 |
| TOTAL PAYABLE | \$ 40,738.28 |

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