



Ms. Catherine Cesnik  
Bassett Creek Watershed Management Commission  
7800 Golden Valley Road  
Golden Valley, MN 55427

Page # 1  
Invoice # 23270051-2023-3  
Project # 23/27-0051  
Client # 59  
May 5, 2023

Invoice of Account with  
BARR ENGINEERING COMPANY

For professional services during the period of  
April 1, 2023 through April 28, 2023

**1000—ENGINEERING & MONITORING**

**1010—Technical Services**

Provide feasibility study documents to administrator via DropBox; communications with administrator regarding potential BCWMC review of Minneapolis zoning code changes and monthly grant tracking; communications with internal staff regarding MPCA meeting attendance; communications with Golden Valley staff regarding XP SWMM inundation mapping differences; annual meeting with St. Louis Park staff and administrator, and follow-up with administrator and internal staff regarding linear project erosion and sediment control review triggers; provide BCWMC boundary data to Hennepin County, per request; internal communications regarding GIS mapping of plat reviews; communications with MPCA staff regarding MTD website modifications; internal communications and communications with Plymouth staff regarding Plymouth street project review; communications with administrator and Plymouth staff regarding Four Seasons project; communications with Plymouth staff regarding scheduling meeting about Plymouth City Center; communications with administrator, Plymouth staff, and Hennepin County staff regarding Medicine Lake dam/outlet information; meeting with Plymouth staff and city consultant regarding proposed revisions to Four Seasons Mall project; communications with Golden Valley and MPRB staff regarding flooding at Wirth Park; and review XP SWMM model regarding double peak at tunnel entrance.

James P. Herbert, Principal Engineer/Scientist 2.8 hours @ \$215.00 per hour .....	\$ 602.00
Karen L. Chandler, Principal Engineer/Scientist 7.9 hours @ \$200.00 per hour .....	\$ 1,580.00
Jennifer Koehler, Engineer/Scientist/Specialist IV 2.0 hours @ \$175.00 per hour .....	\$ 350.00
Joshua Vosejpka, Engineer/Scientist/Specialist I 1.0 hours @ \$110.00 per hour .....	\$ 110.00
<i>Subtotal, Technical Services</i> .....	\$ 2,642.00

Monthly Meeting Preparation

Communications/coordination with administrator and internal staff regarding draft/final agenda and

meeting packet for April Commission meeting; review/edit March meeting minutes; prepare for April Commission meeting, including prepare draft Main Stem stream restoration presentation for administrator review and revise/final presentation, review meeting packet, pre-meeting conference call with Chair Cesnik and administrator, and communications with administrator and internal staff regarding agenda items; and communications with administrator and internal staff regarding follow-up items from April Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 4.3 hours @ \$215.00 per hour .....	\$	924.50
Karen L. Chandler, Principal Engineer/Scientist 16.9 hours @ \$200.00 per hour .....	\$	3,380.00
Jessica Olson, Engineer/Scientist/Specialist III 7.5 hours @ \$170.00 per hour .....	\$	1,275.00
Technicians/Administrative .....	\$	891.00
<i>Subtotal, Monthly Meeting Preparation .....</i>	\$	6,470.50
<b>Subtotal 1010—Technical Services.....</b>	<b>\$</b>	<b>9,112.50</b>

**1020—Development/Project Reviews**

TH 55 Pedestrian Tunnel Olson Mem Hwy Frontage Rd (2022-21)

Project close-out, including documentation, tracking and filing.

Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.2 hours @ \$110.00 per hour .....	\$	22.00
<i>Subtotal, TH 55 Pedestrian Tunnel Olson Mem Hwy Frontage Rd (2022-21).....</i>	\$	22.00

Golden Valley 2023 PMP (2022-23)

Project close-out, including documentation, tracking and filing.

Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.2 hours @ \$110.00 per hour .....	\$	22.00
<i>Subtotal, Golden Valley 2023 PMP (2022-23).....</i>	\$	22.00

Suite Living Plymouth (2022-25)

Project close-out, including documentation, tracking and filing.

Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.2 hours @ \$110.00 per hour .....	\$	22.00
<i>Subtotal, Suite Living Plymouth (2022-25).....</i>	\$	22.00

BNSF Bridge Replacement (2022-27)

Review bridge replacement plan submittal for bridge over Bassett Creek; check XP SWMM model; prepare project review memo for April Commission meeting and provide to administrator; and prepare and send comment letter to city staff.

James P. Herbert, Principal Engineer/Scientist 6.6 hours @ \$215.00 per hour .....	\$	1,419.00
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Karen L. Chandler, Principal Engineer/Scientist 0.3 hours @ \$200.00 per hour .....	\$ 60.00
Lulu Fang, Engineer/Scientist/Specialist II 1.0 hours @ \$130.00 per hour .....	\$ 130.00
Edward Anderson, Engineer/Scientist/Specialist I 0.4 hours @ \$115.00 per hour .....	\$ 46.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 7.5 hours @ \$110.00 per hour .....	\$ 825.00
Expenses (postage) .....	\$ 0.60
<i>Subtotal, BNSF Bridge Replacement (2022-27) .....</i>	<i>\$ 2,480.60</i>

Honeywell Project Halas (2023-01)

Review revised grading, drainage, and erosion control plans; prepare and send approval letter to city staff; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$215.00 per hour .....	\$ 107.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.6 hours @ \$110.00 per hour .....	\$ 66.00
<i>Subtotal, Honeywell Project Halas (2023-01).....</i>	<i>\$ 173.50</i>

2023 Plymouth City Center Pavement Rehabilitation (2023-02)

Review revised grading, drainage, and erosion control plans; prepare and send approval letter to city staff; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 2.0 hours @ \$215.00 per hour .....	\$ 430.00
Edward Anderson, Engineer/Scientist/Specialist I 1.2 hours @ \$115.00 per hour .....	\$ 138.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 3.5 hours @ \$110.00 per hour .....	\$ 385.00
<i>Subtotal, 2023 Plymouth City Center Pavement Rehabilitation (2023-02).....</i>	<i>\$ 953.00</i>

Marsh Run II-Multifamily Apts (2023-04)

Review grading, drainage, erosion control and water quality plans; and communications with consultant.

Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.6 hours @ \$110.00 per hour .....	\$ 176.00
<i>Subtotal, Marsh Run II-Multifamily Apts (2023-04).....</i>	<i>\$ 176.00</i>

Sunset Hill School Playground Improv (2023-05)

Review grading, drainage, and erosion control plans; prepare and send approval letter to city staff; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 2.0 hours @ \$215.00 per hour .....	\$ 430.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 2.3 hours @ \$110.00 per hour .....	\$ 253.00
<i>Subtotal, Sunset Hill School Playground Improv (2023-05)</i> .....	\$ 683.00

Artessa GV (2023-06)

Review grading, drainage, erosion control and water quality plans; and communications with consultant.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$215.00 per hour .....	\$ 215.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 8.2 hours @ \$110.00 per hour .....	\$ 902.00
Technicians/Administrative .....	\$ 105.00
<i>Subtotal, Artessa_GV (2023-06)</i> .....	\$ 1,222.00

Wagner Spray Initial Phase 3B (2023-07)

Review grading, drainage, erosion control and water quality plans; and communications with consultant.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$215.00 per hour .....	\$ 107.50
Josh Phillips, Engineer/Scientist/Specialist II 0.3 hours @ \$140.00 per hour .....	\$ 42.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 4.5 hours @ \$110.00 per hour .....	\$ 495.00
Technicians/Administrative .....	\$ 105.00
<i>Subtotal, Wagner Spray Initial Phase 3B (2023-07)</i> .....	\$ 749.50

Crystal Highlands Park (2023-08)

Review grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$215.00 per hour .....	\$ 107.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.7 hours @ \$110.00 per hour .....	\$ 187.00
Technicians/Administrative .....	\$ 105.00
<i>Subtotal, Crystal Highlands Park (2023-08)</i> .....	\$ 399.50

Zachary Park Improvements (2023-09)

Review grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist 1.0 hours @ \$215.00 per hour .....	\$ 215.00
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Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.5 hours @ \$110.00 per hour .....	\$ 165.00
Technicians/Administrative .....	\$ 52.50
<i>Subtotal, Zachary Park Improvements (2023-09)</i> .....	\$ 432.50

GVCC Reseeding and Hole 8 (2023-10)

Review grading, drainage, and erosion control plans; preliminary meeting with city staff and applicant; and review of BCWMC XPSWMM model and floodplain information.

James P. Herbert, Principal Engineer/Scientist 8.6 hours @ \$215.00 per hour .....	\$ 1,849.00
Lulu Fang, Engineer/Scientist/Specialist II 0.7 hours @ \$130.00 per hour .....	\$ 91.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.4 hours @ \$110.00 per hour .....	\$ 44.00
<i>Subtotal, GVCC Reseeding and Hole 8 (2023-10)</i> .....	\$ 1,984.00

Luther Genesis Dealership (2023-11)

Review grading, drainage, erosion control and water quality plans.

James P. Herbert, Principal Engineer/Scientist 2.2 hours @ \$215.00 per hour .....	\$ 473.00
<i>Subtotal, Luther Genesis Dealership (2023-11)</i> .....	\$ 473.00

Sentinel GV-Multifamily-Bank Bldg (2023-12)

Review grading, drainage, erosion control and water quality plans.

James P. Herbert, Principal Engineer/Scientist 0.2 hours @ \$215.00 per hour .....	\$ 43.00
<i>Subtotal, Sentinel GV-Multifamily-Bank Bldg (2023-12)</i> .....	\$ 43.00

**Subtotal, 1020—Development/Project Reviews .....\$ 9,835.60**

**1030—Non-Fee and Preliminary Reviews**

Preliminary Reviews

Review floodplain information for 18035 Old Rockford Rd in Plymouth, and communications with applicant (Plowe Engineering) and City of Plymouth that the site is not in a BCWMC floodplain; preliminary correspondence regarding a proposed Golden Valley Country Club Project (separate from GVCC Reseeding and Hole 8 (2023-10)); coordination with administrator, Minnehaha Creek Watershed District (MCWD) staff, and Plymouth staff regarding Hennepin County Sheriff building that is in BCWMC and MCWD; and review MDNR permit application 2023-0452 regarding Xcel Energy's Line 805 structure replacement work in Grimes Pond in Sohacki Park in Robbinsdale and provide comments online (project does not require a BCWMC submittal).

James P. Herbert, Principal Engineer/Scientist 6.5 hours @ \$215.00 per hour .....	\$ 1,397.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.2 hours @ \$110.00 per hour .....	\$ 22.00

*Subtotal, Preliminary Reviews* ..... \$ 1,419.50

Non-Fee Reviews

*Subtotal, Non-Fee Reviews* ..... \$ 0.00

**Subtotal, 1030— Non-Fee and Preliminary Reviews** ..... \$ **1,419.50**

**1040—Commission and TAC Meetings**

Attend April 20 Commission meeting.

Karen L. Chandler, Principal Engineer/Scientist  
 3.4 hours @ \$200.00 per hour ..... \$ 680.00

Jessica Olson, Engineer/Scientist/Specialist III  
 3.2 hours @ \$170.00 per hour ..... \$ 544.00

**Subtotal, 1040—Commission and TAC Meetings** ..... \$ **1,224.00**

**1050—Surveys and Studies**

**Subtotal, 1050—Surveys and Studies** ..... \$ **0.00**

**1060—Water Quality/Monitoring**

General Water Quality

Review MPCA’s Draft Mississippi Watershed Twin Cities Monitoring Report, attend Mississippi River-Twin Cities virtual meeting; follow-up communications with MPCA staff regarding Plymouth Creek stressor identification, share Bassett Creek macroinvertebrate data and request MIBI scores, prepare summary of MPCA report; and prepare annual (2022) updates to lake water quality monitoring graphs.

Karen L. Chandler, Principal Engineer/Scientist  
 0.3 hours @ \$200.00 per hour ..... \$ 60.00

Gregory Wilson, Engineer/Scientist/Specialist IV  
 1.0 hours @ \$185.00 per hour ..... \$ 185.00

Greg Williams, Engineer/Scientist/Specialist III  
 2.2 hours @ \$165.00 per hour ..... \$ 363.00

Margaret R. Rattei, Engineer/Scientist/Specialist III  
 2.6 hours @ \$150.00 per hour ..... \$ 390.00

Ann Brunton, Engineer/Scientist/Specialist I  
 2.2 hours @ \$110.00 per hour ..... \$ 242.00

*Subtotal, General Water Quality* ..... \$ 1,240.00

Northwood-Lost Lake Report

Prepare draft Northwood Lake 2022 monitoring report and prepare InDesign file.

Margaret R. Rattei, Engineer/Scientist/Specialist III  
 11.5 hours @ \$150.00 per hour ..... \$ 1,725.00

Technicians/Administrative ..... \$ 770.00

*Subtotal, Northwood-Lost Lake Report* ..... \$ 2,495.00

Sweeney Lk & Twin Lk 2023 Monitoring

Prepare 2023 water quality monitoring schedule; and prepare for and perform April 26 ice-out water quality monitoring.

Terri Olson, Engineer/Scientist/Specialist III 0.2 hours @ \$160.00 per hour .....	\$ 32.00
Technicians/Administrative .....	\$ 1,092.50
Expenses(filtration/vehicle/mileage/canoe/meter/net/ice) .....	\$ 263.61
<i>Subtotal, Sweeney Lk &amp; Twin Lk 2023 Monitoring</i> .....	\$ 1,356.11

Plymouth Creek Monitoring Year 2

Review project scope and previous communications regarding providing data and information to TRPD.

Christopher Bonick, Engineer/Scientist/Specialist II 0.5 hours @ \$140.00 per hour .....	\$ 70.00
<i>Subtotal, Plymouth Creek Monitoring Year 2</i> .....	\$ 70.00
<b>Subtotal, 1060—Water Quality/Monitoring</b> .....	<b>\$ 5,161.11</b>

**1070—Water Quantity**

Measure and review lake elevations as part of the lake-gauging program.

Technicians/Administrative .....	\$ 472.50
<b>Subtotal, 1070—Water Quantity</b> .....	<b>\$ 472.50</b>

**1080—Annual Flood Control Project Inspections**

**Subtotal, 1080—Annual Flood Control Project Inspections \$ 0.00**

**1100—Watershed Outlet Monitoring Program**

<b>Subtotal, 1100—Watershed Outlet Monitoring Program</b> .....	<b>\$ 0.00</b>
<b>SUBTOTAL, 1000—ENGINEERING &amp; MONITORING</b> .....	<b>\$ 27,225.21</b>

**2000—PLANNING**

**2010—Next Generation Plan Development**

Export online survey results; review and provide comments on administrator’s draft summary memoranda regarding Plan Update status and the Initial Planning (Public Kickoff) meeting hosted February 28, 2023; develop draft GIS figure for the Plan document and issue prioritization meetings; and meeting with the administrator to coordinate and discuss data needs for the upcoming Plan Steering Committee and Commission issue prioritization meetings.

Karen L. Chandler, Principal Engineer/Scientist 4.6 hours @ \$200.00 per hour .....	\$ 920.00
Greg Williams, Engineer/Scientist/Specialist III 3.7 hours @ \$165.00 per hour .....	\$ 610.50

Colleen Long, Engineer/Scientist/Specialist I 13.7 hours @ \$115.00 per hour .....	\$ 1,575.50
Technicians/Administrative .....	\$ 14.00
<b>Subtotal, 2010—Next Generation Plan Development.....</b>	<b>\$ 3,120.00</b>

**2020—Next Generation Plan Development – Address Complex Issues**

Summarize status of Phase 2 (addressing complex issues) tasks and future deliverables; and review and edit the tabular summary of advantages and disadvantages associated with linear standards options for TAC review.

Karen L. Chandler, Principal Engineer/Scientist 1.6 hours @ \$200.00 per hour .....	\$ 320.00
Greg Williams, Engineer/Scientist/Specialist III 0.5 hours @ \$165.00 per hour .....	\$ 82.50
<b>Subtotal, 2010—Next Generation Plan Development– Address Complex Issues .....</b>	<b>\$ 402.50</b>
<b>SUBTOTAL, 2000—PLANNING.....</b>	<b>\$ 3,522.50</b>

**4000—OUTREACH & EDUCATION**

**4010—Publications/Annual Report**

Prepare updates to sections of annual report.

James Herbert, Principal Engineer/Scientist 2.9 hours @ \$215.00 per hour .....	\$ 623.50
<b>Subtotal, 4010—Publications/Annual Report .....</b>	<b>\$ 623.50</b>
<b>SUBTOTAL, 4000—OUTREACH &amp; EDUCATION .....</b>	<b>\$ 623.50</b>

**CAPITAL IMPROVEMENT PROJECTS**

Main Stem Lagoon Dredging Project (2021) (BC-7)

Perform construction administration and observation; internal meetings and coordination; communications with administrator; discuss pay application status; perform post-construction bathymetric survey, review and process data, calculate quantities, and discussions internally and externally regarding results; vehicle and equipment expenses; internal and external communications and email updates; and project management.

James P. Herbert, Principal Engineer/Scientist 1.1 hours @ \$215.00 per hour .....	\$ 236.50
Karen L. Chandler, Principal Engineer/Scientist 1.5 hours @ \$200.00 per hour .....	\$ 300.00
Patrick Brockamp, Engineer/Scientist/Specialist III 16.7 hours @ \$150.00 per hour .....	\$ 2,505.00
Kevin Menken, Engineer/Scientist/Specialist II 3.5 hours @ \$135.00 per hour .....	\$ 472.50



Ann Brunton, Engineer/Scientist/Specialist I 0.1 hours @ \$110.00 per hour .....	\$ 11.00
Technicians/Administrative .....	\$ 7,009.00
Expenses (mileage/vehicle/canoe/GPS & Z-Boat survey system) .....	\$ <u>2,033.31</u>
<i>Subtotal, Main Stem Lagoon Dredging Project (2021) (BC-7) .....</i>	<i>\$ 12,567.31</i>

Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5)

Construction Services, Project Management and Environmental Assistance

Review of contractor payment applications; coordination with contractor; perform construction observations; update storm sewer design at Laurel / Morgan intersection to avoid utility conflicts; coordination with city on design changes; and project management.

Stephanie Johnson, Engineer/Scientist/Specialist IV 4.0 hours @ \$200.00 per hour .....	\$ 800.00
Michelle Kimble, Engineer/Scientist/Specialist IV 3.7 hours @ \$175.00 per hour .....	\$ 647.50
Benjamin Borree Engineer/Scientist/Specialist IV 0.7 hours @ \$185.00 per hour .....	\$ 129.50
Greg Fransen, Engineer/Scientist/Specialist III 5.8 hours @ \$155.00 per hour .....	\$ 899.00
Josh Phillips, Engineer/Scientist/Specialist II 22.0 hours @ \$140.00 per hour .....	\$ 3,080.00
Jacob Daire, Engineer/Scientist/Specialist II 1.5 hours @ \$120.00 per hour .....	\$ 180.00
Technicians/Administrative .....	\$ 9.00
Expenses (mileage).....	\$ <u>13.76</u>
<i>Subtotal, <u>Construction Services, Project Management and Environmental Assistance</u>.....</i>	<i>\$ 5,758.76</i>

Addition of 36-inch Pipe

<i>Subtotal, Addition of 36-inch Pipe .....</i>	<i>\$ 0.00</i>
<b><i>Subtotal, Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5) .....</i></b>	<b><i>\$ 5,758.76</i></b>

Parkers Lake Chloride Reduction Project (2021) (PL-7)

Follow-up communications with MCES staff regarding special discharge permitting requirements for pumping lake bottom water to the sanitary sewer system; project status updates; compile/review 2022 and historical monitoring data; and develop lake chloride mass balance computations.

Gregory Wilson, Engineer/Scientist/Specialist IV 9.5 hours @ \$185.00 per hour.....	\$ 1,665.00
Ann Brunton, Engineer/Scientist/Specialist I 5.2 hours @ \$110.00 per hour .....	\$ 572.00

Subconsultant (RMB Environmental Lab) ..... \$ 236.28  
 Subtotal, Parkers Lake Chloride Reduction Project (2021) (PL-7) ..... \$ 2,473.28  
**SUBTOTAL CAPITAL IMPROVEMENTS PROJECTS ..... \$ 20,799.35**

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
<b>1000</b>	<b>ENGINEERING &amp; MONITORING</b>	
1010	Technical Services	\$9,112.50
1020	Development/Project Reviews	\$9,835.60
1030	Non-fee and Preliminary Reviews	\$1,419.50
1040	Commission and TAC Meetings	\$1,224.00
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$5,161.11
1070	Water Quantity	\$472.50
1080	Annual Flood Control Project Inspections	\$0.00
1090	Municipal Plan Review	\$0.00
1100	Watershed Outlet Monitoring Program	\$0.00
1110	Annual XP-SWMM Model Updates/Reviews	\$0.00
1120	TMDL Implementation Reporting	\$0.00
<b>1000</b>	<b>SUBTOTAL ENGINEERING &amp; MONITORING</b>	<b>\$27,225.21</b>
<b>2000</b>	<b>PLANNING</b>	
2010	Next Generation Plan Development	\$3,120.00
2020	Next Generation Plan Development - Address Complex Issues	\$402.50
<b>2000</b>	<b>SUBTOTAL PLANNING</b>	<b>\$3,522.50</b>
<b>4000</b>	<b>OUTREACH &amp; EDUCATION</b>	
4010	Publications/Annual Report	\$623.50
<b>4000</b>	<b>SUBTOTAL OUTREACH &amp; EDUCATION</b>	<b>\$623.50</b>
--	<b>SUBTOTAL CAPITAL IMPROVEMENT PROJECTS</b>	<b>\$20,799.35</b>
<b>TOTAL PAYABLE</b>		<b>\$52,170.56</b>

**Remittance address:**  
**Lockbox 446104**  
**PO Box 64825**  
**St Paul, MN 55164-0825**

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

