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engineering and environmental consultants

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

Page # 1
Invoice # 23270051-2023-4
Project # 23/27-0051
Client # 59
June 2, 2023

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
April 29, 2023 through May 26, 2023

1000—ENGINEERING & MONITORING

1010—Technical Services

Communications with administrator regarding TH 55 Apartments in Plymouth; communications with Hennepin County, Plymouth and administrator regarding Medicine Lake Dam/outlet, and scheduling meeting; communications with MPCA regarding stream biological health and scheduling meeting; communications and meeting with administrator and Plymouth staff regarding potential banking of regional stormwater treatment in Plymouth City Center, and review information from administrator and Plymouth staff regarding other WMO approaches to banking of stormwater treatment; communications with administrator and Golden Valley staff regarding Twin Lake shoreline restoration plan; meeting with administrator, Medicine Lake representatives and city consultant regarding Jevne Park revised concept plan; communications with administrator regarding watermain maintenance project in Plymouth; communications with administrator, Plymouth staff, and Plymouth consultant regarding XPSWMM model and provide XPSWMM model agreement to Plymouth consultant; and communications with administrator and internal staff regarding SCWMC parcel information request, and provide BCWMC parcel data to SCWMC Engineer.

James P. Herbert, Principal Engineer/Scientist		
5.3 hours @ \$215.00 per hour	\$	1,139.50
Karen L. Chandler, Principal Engineer/Scientist		
6.9 hours @ \$200.00 per hour	\$	1,380.00
Greg Williams, Engineer/Scientist/Specialist III		
1.0 hours @ \$165.00 per hour.....	\$	165.00
<i>Subtotal, Technical Services</i>	<i>\$</i>	<i>2,684.50</i>

Monthly Meeting Preparation

Communications/coordination with administrator and internal staff regarding draft/final agenda and meeting packet for May Commission meeting; review/edit April meeting minutes; prepare for May Commission meeting, including prepare draft Ponderosa Woods stream restoration presentation for administrator review and revise/final presentation, review meeting packet, pre-meeting conference call with Chair Cesnik and administrator, prepare Engineer communications, and communications with administrator and internal staff regarding follow-up items from May Commission meeting and

upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 1.8 hours @ \$215.00 per hour	\$ 387.00
Karen L. Chandler, Principal Engineer/Scientist 20.2 hours @ \$200.00 per hour	\$ 4,040.00
Kallie Doeden, Engineer/Scientist/Specialist II 15.3 hours @ \$130.00 per hour	\$ 1,989.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.0 hours @ \$110.00 per hour	\$ 110.00
Technicians/Administrative.....	\$ <u>726.00</u>
<i>Subtotal, Monthly Meeting Preparation.....</i>	<i>\$ 7,252.00</i>

Robbinsdale WCA LGU Admin

Review wetland delineation report and prepare and submit WCA Notice of Application for a portion of Sochacki Park submitted by Jacobson Environmental for Three Rivers Park District; and communications with Technical Evaluation Panel (TEP) to schedule Sochacki Park site review.

Karen Wold, Engineer/Scientist/Specialist III 3.9 hours @ \$150.00 per hour	\$ <u>585.00</u>
<i>Subtotal, Robbinsdale WCA LGU Admin.....</i>	<i>\$ 585.00</i>
Subtotal 1010—Technical Services	\$ 10,521.50

1020—Development/Project Reviews

Crystal 2023 Utility Reconstruction (2022-26)

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

Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.3 hours @ \$110.00 per hour	\$ <u>33.00</u>
<i>Subtotal, Crystal 2023 Utility Reconstruction (2022-26)</i>	<i>\$ 33.00</i>

BNSF Bridge Replacement (2022-27)

Communications with applicant regarding comment letter; review maintenance plan; review revised XPSWMM model; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 2.7 hours @ \$215.00 per hour	\$ 580.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.8 hours @ \$110.00 per hour	\$ <u>198.00</u>
<i>Subtotal, BNSF Bridge Replacement (2022-27)</i>	<i>\$ 778.50</i>

Marsh Run II-Multifamily Apts (2023-04)

Review grading, drainage, erosion control and water quality plans; communications with consultant; and prepare and send comment letter to city staff.

James P. Herbert, Principal Engineer/Scientist 2.0 hours @ \$215.00 per hour	\$ 430.00
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Josh Phillips, Engineer/Scientist/Specialist II	
0.2 hours @ \$140.00 per hour	\$ 28.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I	
8.7 hours @ \$110.00 per hour	\$ 957.00
Technicians/Administrative.....	\$ 52.50
<i>Subtotal, Marsh Run II-Multifamily Apts (2023-04)</i>	\$ 1,467.50

Sunset Hill School Playground Improv (2023-05)

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, Sunset Hill School Playground Improv (2023-05)</i>	\$ 22.00

Artessa GV (2023-06)

Review grading, drainage, erosion control and water quality plans; prepare and send comment letter to city staff; communications with applicant regarding comment letter; review revised grading, drainage, erosion control and water quality plans; and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist	
4.7 hours @ \$215.00 per hour	\$ 1,010.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I	
5.8 hours @ \$110.00 per hour	\$ 638.00
<i>Subtotal, Artessa_GV (2023-06)</i>	\$ 1,648.50

Wagner Spray Initial Phase 3B (2023-07)

Review grading, drainage, erosion control and water quality plans; communications with consultant; prepare and send comment letter to city staff; and review revised grading, drainage, erosion control and water quality plans.

James P. Herbert, Principal Engineer/Scientist	
2.0 hours @ \$215.00 per hour	\$ 430.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I	
4.3 hours @ \$110.00 per hour	\$ 473.00
<i>Subtotal, Wagner Spray Initial Phase 3B (2023-07)</i>	\$ 903.00

Crystal Highlands Park (2023-08)

Review grading, drainage, and erosion control plans; prepare and send comment letter to city staff; review revised grading, drainage, and erosion control plans; prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist	
1.5 hours @ \$215.00 per hour	\$ 322.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I	
1.7 hours @ \$110.00 per hour	\$ 187.00
<i>Subtotal, Crystal Highlands Park (2023-08)</i>	\$ 509.50

Zachary Park Improvements (2023-09)

Review grading, drainage, and erosion control plans; prepare and send comment letter to city staff; review revised grading, drainage, and erosion control plans; prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 1.8 hours @ \$215.00 per hour	\$	387.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 2.1 hours @ \$110.00 per hour	\$	231.00
Technicians/Administrative.....	\$	<u>52.50</u>
<i>Subtotal, Zachary Park Improvements (2023-09).....</i>	<i>\$</i>	<i>670.50</i>

GVCC Reseeding and Hole 8 (2023-10)

Review plan sets from three separate consultants, including grading, drainage, erosion control, floodplain mitigation and golf course improvement plans; prepare project review memo for May Commission meeting and provide to administrator; communications with City staff regarding buffers; prepare and send two comment letters to city staff; review revised plan sets, and communications with applicant and City staff regarding comment letters.

James P. Herbert, Principal Engineer/Scientist 10.3 hours @ \$215.00 per hour	\$	2,214.50
Karen L. Chandler, Principal Engineer/Scientist 1.6 hours @ \$200.00 per hour	\$	320.00
Edward Anderson, Engineer/Scientist/Specialist I 0.6 hours @ \$115.00 per hour	\$	69.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 11.5 hours @ \$110.00 per hour	\$	1,265.00
Technicians/Administrative.....	\$	<u>105.00</u>
<i>Subtotal, GVCC Reseeding and Hole 8 (2023-10).....</i>	<i>\$</i>	<i>3,973.50</i>

Luther Genesis Dealership (2023-11)

Review grading, drainage, erosion control and water quality plans; prepare and send comment letter to city staff; communications with applicant regarding comment letter; and review revised grading, drainage, erosion control and water quality plans.

James P. Herbert, Principal Engineer/Scientist 1.3 hours @ \$215.00 per hour	\$	279.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 9.2 hours @ \$110.00 per hour	\$	1,012.00
Technicians/Administrative.....	\$	<u>105.00</u>
<i>Subtotal, Luther Genesis Dealership (2023-11)</i>	<i>\$</i>	<i>1,396.50</i>

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

Review grading, drainage, erosion control and water quality plans; and prepare and send comment letter to city staff.

James P. Herbert, Principal Engineer/Scientist 0.8 hours @ \$215.00 per hour	\$ 172.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 4.3 hours @ \$110.00 per hour	\$ 473.00
Technicians/Administrative.....	\$ 105.00
<i>Subtotal, Sentinel GV-Multifamily-Bank Bldg (2023-12)</i>	<i>\$ 750.00</i>
Subtotal, 1020—Development/Project Reviews	\$ 12,152.50

1030—Non-Fee and Preliminary Reviews

Preliminary Reviews

Communications with Minnehaha Creek Watershed District (MCWD) staff regarding Hennepin County Sheriff building that is in BCWMC and MCWD; review MDNR permit application 2023-1390 regarding dewatering at Highway 169 and Rockford Road for construction of a new bridge; communications with administrator regarding 1901 Thomas Ave site in Minneapolis, and communication with consultant regarding proposed improvements to Driver’s Exam site in Plymouth.

James P. Herbert, Principal Engineer/Scientist 3.0 hours @ \$215.00 per hour	\$ 645.00
<i>Subtotal, Preliminary Reviews</i>	<i>\$ 645.00</i>

Non-Fee Reviews

<i>Subtotal, Non-Fee Reviews.....</i>	<i>\$ 0.00</i>
Subtotal, 1030— Non-Fee and Preliminary Reviews.....	\$ 645.00

1040—Commission and TAC Meetings

Attend May 18 Commission meeting.

Karen L. Chandler, Principal Engineer/Scientist 3.1 hours @ \$200.00 per hour.....	\$ 620.00
Kallie Doeden, Engineer/Scientist/Specialist III 3.5 hours @ \$130.00 per hour.....	\$ 455.00
Subtotal, 1040—Commission and TAC Meetings.....	\$ 1,075.00

1050—Surveys and Studies

Subtotal, 1050—Surveys and Studies.....	\$ 0.00
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1060—Water Quality/Monitoring

General Water Quality

Prepare annual (2022) updates to lake and stream water quality monitoring graphs; compile and send Lost Lake 1977-2022 dissolved oxygen data to Lost Lake Association member; and internal communications regarding Bassett Creek macroinvertebrate data and MIBI scores.

Greg Williams, Engineer/Scientist/Specialist III 6.1 hours @ \$165.00 per hour	\$ 1,006.50
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Margaret R. Rattei, Engineer/Scientist/Specialist III	
1.3 hours @ \$150.00 per hour	\$ 195.00
Ann Brunton, Engineer/Scientist/Specialist I	
2.2 hours @ \$110.00 per hour	\$ 242.00
<i>Subtotal, General Water Quality</i>	<i>\$ 1,443.50</i>

Northwood-Lost Lake Report

Prepare draft Northwood Lake and Lost Lake 2022 monitoring reports and prepare InDesign files.

Margaret R. Rattei, Engineer/Scientist/Specialist III	
23.6 hours @ \$150.00 per hour	\$ 3,540.00
Technicians/Administrative.....	\$ 1,806.00
<i>Subtotal, Northwood-Lost Lake Report</i>	<i>\$ 5,346.00</i>

Sweeney Lk & Twin Lk 2023 Monitoring

Perform QA reviews of Sweeney Lake and Twin Lake laboratory data, and file chain of custody forms and lab reports.

Terri Olson, Engineer/Scientist/Specialist III	
0.4 hours @ \$160.00 per hour	\$ 64.00
Technicians/Administrative.....	\$ 81.00
<i>Subtotal, Sweeney Lk & Twin Lk 2023 Monitoring.....</i>	<i>\$ 145.00</i>

Plymouth Creek Monitoring Year 2

Prepare for and conduct quarterly grab sampling in Plymouth Creek, including vehicle and equipment expenses.

Christopher Bonick, Engineer/Scientist/Specialist II	
5.0 hours @ \$140.00 per hour	\$ 700.00
Technicians/Administrative.....	\$ 48.00
Expenses (vehicle/mileage/WQ meter)	\$ 140.85
<i>Subtotal, Plymouth Creek Monitoring Year 2</i>	<i>\$ 888.85</i>

Subtotal, 1060—Water Quality/Monitoring.....\$ 7,823.35

1070—Water Quantity

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

Technicians/Administrative.....	\$ 420.00
Expenses (vehicle/mileage).....	\$ 85.25

Subtotal, 1070—Water Quantity\$ 505.25

1080—Annual Flood Control Project Inspections

Prepare and send letters to cities regarding maintenance needs for the Flood Control Project components; review and edit Bassett Creek tunnel agreement; and communications and meetings with the administrator, Commission attorney and Minneapolis staff regarding the tunnel agreement.

James Herbert, Principal Engineer/Scientist 8.7 hours @ \$215.00 per hour	\$ 1,870.50
Josh Phillips, Engineer/Scientist/Specialist II 0.9 hours @ \$140.00 per hour	\$ 126.00
Subtotal, 1080—Annual Flood Control Project Inspections	\$ 1,996.50

1090— Municipal Plan Review

Subtotal, 1090— Municipal Plan Review	\$ 0.00
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1100—Watershed Outlet Monitoring Program

Subtotal, 1100—Watershed Outlet Monitoring Program.....	\$ 0.00
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1110—XPSWMM Model Updates/Reviews

Develop table summarizing development reviews with potential to be incorporated into future XPSWMM and P8 model updates.

Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.7 hours @ \$110.00 per hour	\$ 187.00
Subtotal, 1110—XPSWMM Model Updates/Reviews	\$ 187.00

SUBTOTAL, 1000—ENGINEERING & MONITORING	\$ 34,906.10
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2000—PLANNING

2010—Next Generation Plan Development

Meeting with administrator to discuss format, agenda, and materials for the May 24, 2023 Plan Steering Committee (PSC) meeting; prepare and print materials for the May 24, 2023 PSC meeting; review administrator’s materials for the May 24 PSC meeting; attend and participate in the May 24 PSC meeting; develop Plan document template; revise Plan inventory maps; review results of watershed-wide P8 water quality modeling for mapping; and begin writing the land and water resources inventory portion of the Plan document.

Karen L. Chandler, Principal Engineer/Scientist 10.7 hours @ \$200.00 per hour	\$ 2,140.00
Greg Wilson, Engineer/Scientist/Specialist IV 0.5 hours @ \$165.00 per hour	\$ 92.50
Greg Williams, Engineer/Scientist/Specialist III 16.3 hours @ \$165.00 per hour	\$ 2,689.50
Colleen Long, Engineer/Scientist/Specialist I 6.3 hours @ \$115.00 per hour	\$ 724.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 21.1 hours @ \$110.00 per hour	\$ 2,321.00
Subtotal, 2010—Next Generation Plan Development	\$ 7,967.50

2020—Next Generation Plan Development – Address Complex Issues

Subtotal, 2010—Next Generation Plan Development— Address Complex Issues	\$ 0.00
SUBTOTAL, 2000—PLANNING.....	\$ 7,967.50

4000—OUTREACH & EDUCATION

4010—Publications/Annual Report

Complete updates to sections of 2022 annual report, including communications with MCES staff regarding 2022 WOMP station information.

James Herbert, Principal Engineer/Scientist 1.3 hours @ \$215.00 per hour	\$ 279.50
Karen L. Chandler, Principal Engineer/Scientist 0.6 hours @ \$200.00 per hour	\$ 120.00
Jennifer Koehler, Engineer/Scientist/Specialist IV 0.2 hours @ \$175.00 per hour.....	\$ 35.00
Chris Bonick, Engineer/Scientist/Specialist II 2.0 hours @ \$140.00 per hour.....	\$ 280.00
Subtotal, 4010—Publications/Annual Report	\$ 714.50
SUBTOTAL, 4000—OUTREACH & EDUCATION.....	\$ 714.50

CAPITAL IMPROVEMENT PROJECTS

Schaper Pond Carp Management (SL-3)
 Plan for 2023 monitoring.

Gregory Wilson, Engineer/Scientist/Specialist IV 0.5 hours @ \$185.00 per hour	\$ 92.50
<i>Subtotal, Schaper Pond Carp Management (SL-3).....</i>	<i>\$ 92.50</i>

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

Collect and review survey data from as-built verification surveys; internal meetings and discussions regarding lagoon dredging volumes and as-built surveys; discussions with administrator and attorney regarding Commission meeting and claim letter; prepare memo and presentation for May Commission meeting; attend May Commission meeting; discussions regarding prevailing wages; coordinate site restoration and observation; equipment and mileage expenses; and project management and communications.

James P. Herbert, Principal Engineer/Scientist 13.1 hours @ \$215.00 per hour	\$ 2,816.50
Karen L. Chandler, Principal Engineer/Scientist 17.9 hours @ \$200.00 per hour	\$ 3,580.00
Patrick Brockamp, Engineer/Scientist/Specialist III 31.7 hours @ \$150.00 per hour	\$ 4,755.00
Ann Brunton, Engineer/Scientist/Specialist I 9.4 hours @ \$110.00 per hour	\$ 1,034.00

Technicians/Administrative.....	\$	910.00
Expenses (mileage).....	\$	<u>35.83</u>
<i>Subtotal, Main Stem Lagoon Dredging Project (2021) (BC-7).....</i>		<i>\$ 13,131.33</i>

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

Construction Services, Project Management and Environmental Assistance

Attend weekly construction meetings; perform site observations; and project coordination and management.

Stephanie Johnson, Engineer/Scientist/Specialist IV 4.8 hours @ \$200.00 per hour.....	\$	960.00
Jennifer Brekken, Engineer/Scientist/Specialist IV 0.4 hours @ \$185.00 per hour.....	\$	74.00
Josh Phillips, Engineer/Scientist/Specialist II 6.8 hours @ \$140.00 per hour.....	\$	952.00
Jacob Daire, Engineer/Scientist/Specialist II 1.3 hours @ \$120.00 per hour.....	\$	156.00
Technicians/Administrative.....	\$	9.00
Expenses (mileage).....	\$	<u>28.82</u>
<i>Subtotal, Construction Services, Project Management and Environmental Assistance.....</i>		<i>\$ 2,179.82</i>

Addition of 36-inch Pipe

<i>Subtotal, Addition of 36-inch Pipe.....</i>	<i>\$</i>	<i>0.00</i>
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***Subtotal, Bryn Mawr Meadows Water Quality Improvement
Project (2020) (BC-5)\$ 2,179.82***

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

Compile/review 2022 and historical monitoring data; develop watershed and lake chloride mass balance computations; and communications regarding project status updates.

Gregory Wilson, Engineer/Scientist/Specialist IV 13.5 hours @ \$185.00 per hour.....	\$	<u>2,497.50</u>
<i>Subtotal, Parkers Lake Chloride Reduction Project (2021) (PL-7)</i>		<i>\$ 2,497.50</i>

SUBTOTAL CAPITAL IMPROVEMENTS PROJECTS\$ 17,901.15

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
1000	ENGINEERING & MONITORING	
1010	Technical Services	\$10,521.50
1020	Development/Project Reviews	\$12,152.50
1030	Non-fee and Preliminary Reviews	\$645.00
1040	Commission and TAC Meetings	\$1,075.00
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$7,823.35
1070	Water Quantity	\$505.25
1080	Annual Flood Control Project Inspections	\$1,996.50
1090	Municipal Plan Review	\$0.00
1100	Watershed Outlet Monitoring Program	\$0.00
1110	Annual XP-SWMM Model Updates/Reviews	\$187.00
1120	TMDL Implementation Reporting	\$0.00
1000	SUBTOTAL ENGINEERING & MONITORING	\$34,906.10
2000	PLANNING	
2010	Next Generation Plan Development	\$7,967.50
2020	Next Generation Plan Development - Address Complex Issues	\$0.00
2000	SUBTOTAL PLANNING	\$7,967.50
4000	OUTREACH & EDUCATION	
4010	Publications/Annual Report	\$714.50
4000	SUBTOTAL OUTREACH & EDUCATION	\$714.50
--	SUBTOTAL CAPITAL IMPROVEMENT PROJECTS	\$17,901.15
TOTAL PAYABLE		\$61,489.25

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.

