



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

Page # 1
Invoice # 23270051-2023-6
Project # 23/27-0051
Client # 59
August 4, 2023

Invoice of Account with
BARR ENGINEERING COMPANY

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

1000—ENGINEERING & MONITORING

1010—Technical Services

Communications with administrator, Shingle Creek WMC Engineer, and internal staff regarding final BCWMC parcel list based on new SCWMC boundary; communications with administrator regarding Hennepin County meeting attendance and potential 2023 watershed tour; review project budgets; review plans and perform site visit of the previously completed Wirth on the Woods (BCWMC 2021-33) and Century Townhomes (2022-01) projects in Minneapolis in response to citizen concern that the pond could be intercepting groundwater from nearby wetland, and document findings (pond not intercepting groundwater from wetland) in and email to Minneapolis staff, MPRB staff and administrator; and communications with Golden Valley staff regarding status of DeCola Pond F Flood Storage & Diversion Project.

James P. Herbert, Principal Engineer/Scientist 5.9 hours @ \$215.00 per hour	\$ 1,268.50
Karen L. Chandler, Principal Engineer/Scientist 2.1 hours @ \$200.00 per hour	\$ 420.00
Jen Koehler, Engineer/Scientist/Specialist IV 0.3 hours @ \$175.00 per hour	\$ 52.50
Greg Williams, Engineer/Scientist/Specialist III 0.8 hours @ \$165.00 per hour	\$ 132.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 5.5 hours @ \$110.00 per hour	\$ 605.00
<i>Subtotal, Technical Services</i>	\$ 2,478.00

Monthly Meeting Preparation

Communications/coordination with administrator and internal staff regarding draft/final agenda and meeting packet for July Commission meeting; review/edit June meeting minutes; prepare for July Commission meeting, including prepare draft Lost Lake and Northwood Lake 2022 water quality monitoring results presentation for administrator review and revise/final presentation, review meeting packet, and pre-meeting conference call with Chair Cesnik and administrator; and

communications with administrator and internal staff regarding follow-up items from July Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 8.2 hours @ \$215.00 per hour	\$	1,763.00
Karen L. Chandler, Principal Engineer/Scientist 18.3 hours @ \$200.00 per hour	\$	3,660.00
Meg Rattei, Engineer/Scientist/Specialist III 8.6 hours @ \$150.00 per hour	\$	1,290.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.6 hours @ \$110.00 per hour	\$	176.00
Technicians/Administrative	\$	<u>814.00</u>
<i>Subtotal, Monthly Meeting Preparation</i>	\$	<i>7,703.00</i>

Robbinsdale WCA LGU Admin

Three Rivers Park District’s 65-acres Sochacki Park site in Robbinsdale & Golden Valley: review wetland delineation report and request municipal boundaries on report figures; communications with Golden Valley staff regarding coordination of WCA administration (BCWMC is responsible for the portion of the project within the City of Robbinsdale); and prepare and submit WCA Notice of Application.

Karen Wold, Engineer/Scientist/Specialist III 2.0 hours @ \$150.00 per hour	\$	<u>300.00</u>
<i>Subtotal, Robbinsdale WCA LGU Admin</i>	\$	<i>300.00</i>
Subtotal 1010—Technical Services.....	\$	10,481.00

1020—Development/Project Reviews

BNSF Bridge Replacement (2022-27)

Coordination with applicant and administrator due to plans being revised after the BCWMC sent approval letter; and preliminary review of revised bridge plans.

James P. Herbert, Principal Engineer/Scientist 2.2 hours @ \$215.00 per hour	\$	473.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.2 hours @ \$110.00 per hour	\$	<u>132.00</u>
<i>Subtotal, BNSF Bridge Replacement (2022-27)</i>	\$	<i>605.00</i>

Marsh Run II-Multifamily Apts (2023-04)

Contacting applicant to determine status of application.

Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.2 hours @ \$110.00 per hour	\$	<u>22.00</u>
<i>Subtotal, Marsh Run II-Multifamily Apts (2023-04)</i>	\$	<i>22.00</i>

Thomas Ave N Townhomes (2023-13)

Review revised grading, drainage, and erosion control plans; communicating with applicant on recommendations to address comments letter; prepare and send approval letter to city staff; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 3.4 hours @ \$215.00 per hour	\$ 731.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.8 hours @ \$110.00 per hour	\$ 88.00
<i>Subtotal, Thomas Ave N Townhomes (2023-13).....</i>	<i>\$ 819.00</i>

Hennepin Co. Fiber Optic Cable (2023-14)

Review two sets of revised erosion control plans for two utility crossings under Bassett Creek; prepare and send comments letter to city staff, communicating with applicant on recommendations to address comments letter, and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 5.6 hours @ \$215.00 per hour	\$ 1,204.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.5 hours @ \$110.00 per hour	\$ 165.00
Technicians/Administrative	\$ 52.50
<i>Subtotal, Hennepin Co. Fiber Optic Cable (2023-14).....</i>	<i>\$ 1,421.50</i>

Hennepin Co. Sheriff Headquarters (2023-15)

Review grading, drainage, erosion control and water quality plans; and prepare and send comments letter to city staff that includes BCWMC comments and Minnehaha Creek comments due the proposed development location within the Bassett Creek and Minnehaha Creek watersheds.

James P. Herbert, Principal Engineer/Scientist 5.7 hours @ \$215.00 per hour	\$ 1,225.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 6.3 hours @ \$110.00 per hour	\$ 693.00
<i>Subtotal, Hennepin Co. Sheriff Headquarters (2023-15).....</i>	<i>\$ 1,918.50</i>

Douglas Dr Townhomes (2023-16)

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 0.3 hours @ \$110.00 per hour	\$ 33.00
Technicians/Administrative	\$ 52.50
<i>Subtotal, Douglas Dr Townhomes (2023-16).....</i>	<i>\$ 193.00</i>

Adath Cemetery (2023-17)

Review grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist 0.8 hours @ \$215.00 per hour	\$	172.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.4 hours @ \$110.00 per hour	\$	44.00
<i>Subtotal, Adath Cemetery (2023-17)</i>	\$	216.00
Subtotal, 1020—Development/Project Reviews	\$	5,195.00

1030—Non-Fee and Preliminary Reviews

Preliminary Reviews

<i>Subtotal, Preliminary Reviews</i>	\$	0.00
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Non-Fee Reviews

Blue Line LRT

Attend July 10 Blue Line LRT Water Resources Issue Resolution Team (IRT) meeting regarding reroute and internal follow-up discussion; download and file IRT meeting documents provided by Blue Line LRT consultant; prepare BMP ranking survey and send to Blue Line LRT consultant; and prepare and send IRT meeting summary to administrator, including marked-up reroute map.

James P. Herbert, Principal Engineer/Scientist 2.8 hours @ \$215.00 per hour	\$	602.00
Karen L. Chandler, Principal Engineer/Scientist 5.1 hours @ \$200.00 per hour	\$	1,020.00
<i>Subtotal, Blue Line LRT</i>	\$	1,622.00
<i>Subtotal, Non-Fee Reviews</i>	\$	1,622.00
Subtotal, 1030— Non-Fee and Preliminary Reviews	\$	1,622.00

1040—Commission and TAC Meetings

Attend July 20 Commission meeting.

Karen L. Chandler, Principal Engineer/Scientist 3.3 hours @ \$200.00 per hour	\$	660.00
Meg Rattei, Engineer/Scientist/Specialist III 2.7 hours @ \$150.00 per hour	\$	405.00
Expenses (mileage).....	\$	14.80
Subtotal, 1040—Commission and TAC Meetings.....	\$	1,079.80

1050—Surveys and Studies

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

General Water Quality

Communications with administrator and internal staff regarding administrator's questions about Lost Lake aquatic plant surveys and impaired waters status and provide Lost Lake photos to administrator;

enter 2014 – 2023 aquatic plant survey point intercept information for BCWMC lakes into MDNR spreadsheet per MDNR request; and provide Northwood Lake water quality plots to administrator for BCWMC website.

Karen L. Chandler, Principal Engineer/Scientist 2.2 hours @ \$200.00 per hour	\$ 440.00
Greg Wilson, Engineer/Scientist/Specialist IV 0.5 hours @ \$190.00 per hour	\$ 95.00
Meg Rattei, Engineer/Scientist/Specialist III 4.0 hours @ \$150.00 per hour	\$ 600.00
Greg Williams, Engineer/Scientist/Specialist III 0.8 hours @ \$165.00 per hour	\$ <u>132.00</u>
<i>Subtotal, General Water Quality.....</i>	<i>\$ 1,267.00</i>

Northwood-Lost Lake Report

Complete final edits to Northwood Lake and Lost Lake 2022 monitoring reports and provide to administrator.

Meg Rattei, Engineer/Scientist/Specialist III 0.9 hours @ \$150.00 per hour	\$ 135.00
Technicians/Administrative	\$ <u>140.00</u>
<i>Subtotal, Northwood-Lost Lake Report.....</i>	<i>\$ 275.00</i>

Sweeney Lk & Twin Lk 2023 Monitoring

Prepare for and perform July 11 water quality monitoring; file field data; analyze April 26 and June 13 Sweeney Lake north basin and Sweeney Lake south basin zooplankton samples; analyze July 11 Sweeney Lake north basin and Twin Lake zooplankton samples; analyze July 11 Twin Lake, Sweeney Lake north basin and Sweeney Lake south basin phytoplankton samples; communications with laboratory regarding lab report; and file chain of custody forms and lab reports; expenses include equipment and other monitoring-related expenses.

Meg Rattei, Engineer/Scientist/Specialist III 12.8 hours @ \$150.00 per hour	\$ 1,920.00
Technicians/Administrative	\$ 826.50
Expenses (filtration apparatus/vehicle/canoe/ice/bottle sampler/ mileage/water meter/zooplankton net).....	\$ <u>262.30</u>
<i>Subtotal, Sweeney Lk & Twin Lk 2023 Monitoring.....</i>	<i>\$ 3,008.80</i>

Plymouth Creek Monitoring Year 2

Perform maintenance on new cap for dissolved oxygen sensor.

Christopher Bonick, Engineer/Scientist/Specialist II 0.5 hours @ \$140.00 per hour	\$ 70.00
Expenses (HOBO DO Sensor Cap).....	\$ <u>170.73</u>
<i>Subtotal, Plymouth Creek Monitoring Year 2.....</i>	<i>\$ 240.73</i>

Subtotal, 1060—Water Quality/Monitoring.....\$ 4,791.53

1070—Water Quantity

Subtotal, 1070—Water Quantity\$ 0.00

1080—Annual Flood Control Project Inspections

Bassett Creek Tunnel cooperative agreement with City of Minneapolis regarding tunnel operations, maintenance, and inspection: review Minneapolis edits to tunnel agreement and prepare and distribute comments; meetings with administrator, Commission attorney and Minneapolis staff; and review and edit tunnel agreement.

James P. Herbert, Principal Engineer/Scientist
 9.7 hours @ \$215.00 per hour\$ 2,085.50

Subtotal, 1080—Annual Flood Control Project Inspections.....\$ 2,085.50

1090— Municipal Plan Review

Subtotal, 1090— Municipal Plan Review.....\$ 0.00

1100—Watershed Outlet Monitoring Program

Subtotal, 1100—Watershed Outlet Monitoring Program.....\$ 0.00

1110—XPSWMM Model Updates/Reviews

Subtotal, 1110—XPSWMM Model Updates/Reviews.....\$ 0.00

SUBTOTAL, 1000—ENGINEERING & MONITORING\$ 25,254.83

2000—PLANNING

2010—Next Generation Plan Development

Attend July 11 PSC meeting to discuss priority issues; meeting with administrator to review outcomes of the July 11 PSC meeting and plan for the August 1 PSC meeting; review and revise draft meeting notes from the May 24 and July 11 PSC meetings; and review agenda and materials for the August 1 PSC meeting.

Karen L. Chandler, Principal Engineer/Scientist
 9.9 hours @ \$200.00 per hour\$ 1,980.00

Greg Williams, Engineer/Scientist/Specialist III
 6.6 hours @ \$165.00 per hour\$ 1,089.00

Subtotal, 2010—Next Generation Plan Development\$ 3,069.00

2020—Next Generation Plan Development – Address Complex Issues

Review and add to administrator’s notes and follow-up actions from the June 5 meeting with MPCA staff regarding stream health, biota, stream classifications, and MPCA expectations for BCWMC actions.

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

**Subtotal, 2010—Next Generation Plan Development– Address
 Complex Issues \$ 200.00**

SUBTOTAL, 2000—PLANNING.....\$ 3,269.00

4000—OUTREACH & EDUCATION

4010—Publications/Annual Report

Subtotal, 4010—Publications/Annual Report	\$	0.00
SUBTOTAL, 4000—OUTREACH & EDUCATION	\$	0.00

CAPITAL IMPROVEMENT PROJECTS

Four Seasons Area Water Quality Project (NL-2)

Meeting with administrator and Commission attorney regarding revised draft of the cooperative agreement between BCWMC and the City of Plymouth; review/edit administrator’s draft cover memo for July Commission meeting and communications with administrator and Commission attorney regarding draft cooperative agreement.

James P. Herbert, Principal Engineer/Scientist 0.8 hours @ \$215.00 per hour	\$	172.00
Karen L. Chandler, Principal Engineer/Scientist 1.3 hours @ \$200.00 per hour	\$	260.00
<i>Subtotal, Four Seasons Area Water Quality Project (NL-2)</i>	<i>\$</i>	<i>432.00</i>

Schaper Pond Carp Management (SL-3)

Prepare for and complete first Schaper Pond water quality monitoring event on July 20th; send samples to the lab for analysis; and internal communications regarding project status updates.

Gregory Wilson, Engineer/Scientist/Specialist IV 3.0 hours @ \$190.00 per hour	\$	570.00
Terri Olson, Engineer/Scientist/Specialist III 0.5 hours @ \$160.00 per hour	\$	80.00
Kevin Menken, Engineer/Scientist/Specialist II 7.0 hours @ \$135.00 per hour	\$	945.00
Katie Kramarczuk, Engineer/Scientist/Specialist I 5.6 hours @ \$100.00 per hour	\$	560.00
Expenses (vehicle/mileage/canoe/ice/turbidimeter/WQ meter)	\$	185.60
<i>Subtotal, Schaper Pond Carp Management (SL-3)</i>	<i>\$</i>	<i>2,340.60</i>

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

Meetings, discussions, and emails with internal staff, Contractor, administrator, and Commission attorney regarding the claim process; coordinate time extension on claim response; review MPRB consultant’s (AET) post-construction roadway documentation report; and project updates.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$215.00 per hour	\$	107.50
Karen L. Chandler, Principal Engineer/Scientist 3.8 hours @ \$200.00 per hour	\$	760.00
Patrick Brockamp, Engineer/Scientist/Specialist III 7.4 hours @ \$150.00 per hour	\$	1,110.00
<i>Subtotal, Main Stem Lagoon Dredging Project (2021) (BC-7)</i>	<i>\$</i>	<i>1,977.50</i>

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

Construction Services, Project Management and Environmental Assistance

Site observation and coordination with contractor; and project management.

Stephanie Johnson, Engineer/Scientist/Specialist IV 4.3 hours @ \$200.00 per hour	\$ 860.00
Josh Phillips, Engineer/Scientist/Specialist II 0.2 hours @ \$140.00 per hour	\$ 28.00
<i>Subtotal, Construction Services, Project Management and Environmental Assistance</i>	<i>\$ 888.00</i>

Addition of 36-inch Pipe

<i>Subtotal, Addition of 36-inch Pipe</i>	<i>\$ 0.00</i>
<i>Subtotal, Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5)</i>	<i>\$ 888.00</i>

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

Develop watershed and lake chloride mass balance computations; develop conceptual design for chloride treatment alternative; prepare for and meet with Plymouth and MDNR staff on July 17th to discuss permit requirements for chloride treatment alternative; complete permitting follow-up on chloride treatment alternative; and communications regarding project status updates.

Bryan Oakley, Engineer/Scientist/Specialist IV 2.8 hours @ \$200.00 per hour	\$ 560.00
Gregory Wilson, Engineer/Scientist/Specialist IV 4.5 hours @ \$190.00 per hour	\$ 855.00
Sara BinAhmed-Menzies, Engineer/Scientist/Specialist I 1.8 hours @ \$115.00 per hour	\$ 207.00
Augustina Osabutey, Engineer/Scientist/Specialist I 1.5 hours @ \$105.00 per hour	\$ 157.50
<i>Subtotal, Parkers Lake Chloride Reduction Project (2021) (PL-7)</i>	<i>\$ 1,779.50</i>

SUBTOTAL CAPITAL IMPROVEMENTS PROJECTS\$ 7,417.60

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
1000	ENGINEERING & MONITORING	
1010	Technical Services	\$10,481.00
1020	Development/Project Reviews	\$5,195.00
1030	Non-fee and Preliminary Reviews	\$1,622.00
1040	Commission and TAC Meetings	\$1,079.80
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$4,791.53
1070	Water Quantity	\$0.00
1080	Annual Flood Control Project Inspections	\$2,085.50
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
1000	SUBTOTAL ENGINEERING & MONITORING	\$25,254.83
2000	PLANNING	
2010	Next Generation Plan Development	\$3,069.00
2020	Next Generation Plan Development - Address Complex Issues	\$200.00
2000	SUBTOTAL PLANNING	\$3,269.00
4000	OUTREACH & EDUCATION	
4010	Publications/Annual Report	\$0.00
4000	SUBTOTAL OUTREACH & EDUCATION	\$0.00
--	SUBTOTAL CAPITAL IMPROVEMENT PROJECTS	\$7,417.60
TOTAL PAYABLE		\$35,941.43

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.

