



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

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

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
January 28, 2023 through February 24, 2023

1000—ENGINEERING & MONITORING

1010—Technical Services

Review MPCA’s MTD stormwater manual and provide comments to MPCA, attend MTD advisory work group meeting, and communications with administrator and MPCA staff; communications with administrator and internal staff regarding memo from TAC chair and follow-up communications; communications with administrator regarding status of WCA reviews and when to invoice charges; communications with administrator regarding groundwater atlas workshop; review Golden Valley proposed land use change and communications with administrator regarding need for BCWMC review; communications with administrator regarding Shingle Creek boundary and Robbinsdale certification question; update BCWMC project review costs, prepare summaries for project reviews that exceeded \$5,000, and provide information to administrator; prepare and send letter to MPCA with comments regarding proposed new construction stormwater permit, and communications with administrator; review historical submittal regarding Plymouth Ave reconstruction project and BCWMC review, and communications with administrator and Minneapolis staff; and review/edit resolution of appreciation for Commissioner Harwell and communications with administrator and Golden Valley staff.

James P. Herbert, Principal Engineer/Scientist 12.3 hours @ \$215.00 per hour	\$ 2,644.50
Karen L. Chandler, Principal Engineer/Scientist 9.6 hours @ \$200.00 per hour	\$ 1,920.00
Greg Williams, Engineer/Scientist/Specialist III 0.2 hours @ \$165.00 per hour	\$ 33.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 4.2 hours @ \$110.00 per hour	\$ 462.00
<i>Subtotal, Technical Services</i>	<i>\$ 5,059.50</i>

Monthly Meeting Preparation

Communications/coordination with administrator and internal staff regarding draft/final agenda and meeting packet for February Commission meeting; review/edit January meeting minutes; review

proposed new MPCA construction stormwater permit, and prepare memo for February Commission meeting regarding the permit, including summary of changes, recommended comments to MPCA and recommended changes to Requirements document; communications with administrator regarding February and March meeting logistics; prepare for February Commission meeting, including 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 February Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist		
17.3 hours @ \$215.00 per hour	\$	3,719.50
Karen L. Chandler, Principal Engineer/Scientist		
22.4 hours @ \$200.00 per hour	\$	4,480.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I		
7.8 hours @ \$110.00 per hour	\$	858.00
Technicians/Administrative.....	\$	<u>1,245.00</u>
<i>Subtotal, Monthly Meeting Preparation.....</i>	<i>\$</i>	<i>10,302.50</i>

General WCA LGU Admin

Update WCA tracking spreadsheet; and complete and submit WCA 2022 annual reporting form to BWSR.

Karen L. Chandler, Principal Engineer/Scientist		
0.3 hours @ \$200.00 per hour	\$	60.00
Karen Wold, Engineer/Scientist/Specialist III		
1.7 hours @ \$150.00 per hour	\$	<u>255.00</u>
<i>Subtotal, General WCA LGU Admin.....</i>	<i>\$</i>	<i>315.00</i>

Robbinsdale WCA LGU Admin

Provide previous wetland delineation boundaries to Xcel Energy and MDNR for Xcel's Line 805 structure replacement project; review revised project plans; and communications with MDNR regarding WCA/MDNR jurisdiction.

Karen Wold, Engineer/Scientist/Specialist III		
1.1 hours @ \$150.00 per hour	\$	<u>165.00</u>
<i>Subtotal, Robbinsdale WCA LGU Admin.....</i>	<i>\$</i>	<i>165.00</i>

St. Louis Park WCA LGU Admin

Review WCA joint application for St. Louis Park Pond Maintenance project and request additional information and clarification from the applicant; review additional documents; and prepare and submit WCA Notice of Decision for no-loss approval.

Karen Wold, Engineer/Scientist/Specialist III		
3.0 hours @ \$150.00 per hour	\$	<u>450.00</u>
<i>Subtotal, St. Louis Park WCA LGU Admin</i>	<i>\$</i>	<i>450.00</i>

TAC Preparation

Prepare for February 1 and March 1 TAC meetings, including review/edit draft memo for March 1 TAC meeting, work with TRPD, Robbinsdale and Golden Valley staff on CIP matrix for Sochacki Park project BMPs for 5-year CIP, and communications with administrator and internal staff.

Karen L. Chandler, Principal Engineer/Scientist 3.1 hours @ \$200.00 per hour	\$	620.00
Jen Koehler, Engineer/Scientist/Specialist IV 1.4 hours @ \$175.00 per hour	\$	245.00
Gregory Wilson, Engineer/Scientist/Specialist IV 2.8 hours @ \$185.00 per hour	\$	<u>518.00</u>
<i>Subtotal, TAC Preparation</i>	\$	<i>1,383.00</i>
Subtotal 1010—Technical Services	\$	17,675.00

1020—Development/Project Reviews

Golden Valley Business Center (2022-16A)

Review revised soils information for filtration basin; and communications with applicant and city staff.

James P. Herbert, Principal Engineer/Scientist 1.5 hours @ \$215.00 per hour	\$	<u>215.00</u>
<i>Subtotal, Golden Valley Business Center (2022-16A)</i>	\$	<i>215.00</i>

Suite Living Plymouth (2022-25)

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

James P. Herbert, Principal Engineer/Scientist 2.5 hours @ \$215.00 per hour	\$	537.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 2.4 hours @ \$110.00 per hour	\$	<u>264.00</u>
<i>Subtotal, Suite Living Plymouth (2022-25)</i>	\$	<i>801.50</i>

Crystal 2023 Utility Reconstruction (2022-26)

Review grading, drainage, and erosion control plans; and prepare draft comment 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 1.8 hours @ \$110.00 per hour	\$	198.00
Technicians/Administrative	\$	52.50
Expenses (postage)	\$	<u>0.60</u>
<i>Subtotal, Crystal 2023 Utility Reconstruction (2022-26)</i>	\$	<i>573.60</i>

BNSF Bridge Replacement (2022-27)

Preliminary review of bridge replacement plan for bridge over Bassett Creek; and communications with applicant and city staff.

James P. Herbert, Principal Engineer/Scientist
 1.8 hours @ \$215.00 per hour \$ 387.00
Subtotal, BNSF Bridge Replacement (2022-27)\$ 387.00

Honeywell Project Halas (2023-01)

Preliminary review of grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist
 1.0 hours @ \$215.00 per hour \$ 215.00
 Technicians/Administrative..... \$ 210.00
 Expenses (postage) \$ 0.60
Subtotal, Honeywell Project Halas (2023-01).....\$ 425.60

2023 Ply City Ctr Pavement Rehab (2023-02)

Preliminary review of grading, drainage, and erosion control plans.

James P. Herbert, Principal Engineer/Scientist
 0.7 hours @ \$215.00 per hour \$ 150.50
 Technicians/Administrative..... \$ 52.50
Subtotal, 2023 Ply City Ctr Pavement Rehab (2023-02).....\$ 203.00

Subtotal, 1020—Development/Project Reviews\$ 2,605.70

1030—Non-Fee and Preliminary Reviews

Preliminary Reviews

Communications with administrator, Robbinsdale staff, and Xcel Energy regarding Xcel’s Line 805 structure replacement work in Grimes Pond in Sochacki Park in Robbinsdale; review MDNR permit application regarding SWLRT dewatering and prepare/send comments to MDNR regarding concerns, including structural concerns with tunnel; preliminary review and communications with Plymouth staff, consultant and administrator regarding Gleason Lake Rd.; communications with Golden Valley staff regarding Brookview driving range draitile repairs and BCWMC requirements; communications with Golden Valley staff regarding retaining wall between Breck School and Breck Pond and BCWMC requirements; communications with administrator regarding Marsh Run in Minnetonka; and communications with Golden Valley staff regarding Lupient Genesis.

James P. Herbert, Principal Engineer/Scientist
 10.8 hours @ \$215.00 per hour \$ 2,322.00
 Karen L. Chandler, Principal Engineer/Scientist
 1.1 hours @ \$200.00 per hour \$ 220.00
 Gabrielle Campagnola, Engineer/Scientist/Specialist I
 0.6 hours @ \$110.00 per hour \$ 66.00
Subtotal, Preliminary Reviews..... \$ 2,608.00

Non-Fee Reviews

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

Subtotal, 1030— Non-Fee and Preliminary Reviews.....\$ 2,608.00

1040—Commission and TAC Meetings

Attend February 16 Commission meeting (including set-up and take-down); and attend February 1 TAC meeting.

Karen L. Chandler, Principal Engineer/Scientist 4.5 hours @ \$200.00 per hour.....	\$ 900.00
Jennifer Koehler, Engineer/Scientist/Specialist IV 2.0 hours @ \$175.00 per hour.....	\$ 350.00
Subtotal, 1040—Commission and TAC Meetings.....	\$ 1,250.00

1050—Surveys and Studies

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

1060—Water Quality/Monitoring

General Water Quality

<i>Subtotal, General Water Quality.....</i>	<i>\$ 0.00</i>
---	----------------

Northwood Lk & Lost Lk Reports

Communications with administrator regarding locations of curly-leaf pondweed in Lost Lake during 2022; and internal communications regarding monitoring reports.

Margaret R. Rattei, Engineer/Scientist/Specialist III 1.9 hours @ \$150.00 per hour.....	\$ 285.00
<i>Subtotal, Northwood Lk & Lost Lk Monitoring.....</i>	<i>\$ 285.00</i>

Sweeney Lk & Twin Lk 2023 Monitoring

Prepare for 2023 lake monitoring, including order sample bottles; and develop subconsultant contract for aquatic plant monitoring.

Margaret R. Rattei, Engineer/Scientist/Specialist III 1.3 hours @ \$150.00 per hour.....	\$ 195.00
Technicians/Administrative.....	\$ 94.50
<i>Subtotal, Sweeney Lk & Twin Lk Monitoring.....</i>	<i>\$ 289.50</i>

Plymouth Creek Monitoring Year 2

Prepare 2022 Plymouth Creek monitoring data for submission to the MPCA; and create report graphs incorporating 2022 Plymouth Creek monitoring data.

Margaret R. Rattei, Engineer/Scientist/Specialist III 0.1 hours @ \$150.00 per hour.....	\$ 15.00
Christopher Bonick, Engineer/Scientist/Specialist II 4.5 hours @ \$140.00 per hour.....	\$ 630.00
Technicians/Administrative.....	\$ 84.00
<i>Subtotal, Plymouth Creek Monitoring Year 1.....</i>	<i>\$ 729.00</i>
Subtotal, 1060—Water Quality/Monitoring.....	\$ 1,303.50

1070—Water Quantity

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

Technicians/Administrative.....	\$	588.00
Expenses (vehicle/mileage/survey set/auger)	\$	<u>100.48</u>
Subtotal, 1070—Water Quantity	\$	688.48

1080—Annual Flood Control Project Inspections

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

1100—Watershed Outlet Monitoring Program

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

SUBTOTAL, 1000—ENGINEERING & MONITORING	\$	26,130.68
--	-----------	------------------

2000—PLANNING

2010—Next Generation Plan Development

Coordinate/meet with administrator and internal staff to develop materials for the February 28 public kickoff meeting including design, review, and production of six large boards, and design, review, and printing of three large-format maps.

Karen L. Chandler, Principal Engineer/Scientist 12.4 hours @ \$200.00 per hour.....	\$	2,480.00
Greg Williams, Engineer/Scientist/Specialist III 15.1 hours @ \$165.00 per hour.....	\$	2,491.50
Colleen Long, Engineer/Scientist/Specialist I 10.4 hours @ \$115.00 per hour.....	\$	1,196.00
Technicians/Administrative.....	\$	<u>859.00</u>
Subtotal, 2010—Next Generation Plan Development	\$	7,026.50

2020—Next Generation Plan Development – Address Complex Issues

Review and discuss GIS web mapping of XPSWMM model results; review and edit memorandum to the Commission regarding linear standards and potential linear project standards options; prepare a tabular summary of pros and cons associated with linear standards options for March 1 TAC meeting; meet with the administrator to prepare for February 1 TAC meeting; and attend the February 1, 2023 TAC meeting to present topics related to Plan development.

Karen L. Chandler, Principal Engineer/Scientist 9.4 hours @ \$200.00 per hour.....	\$	1,880.00
Jennifer Koehler, Engineer/Scientist/Specialist IV 0.5 hours @ \$175.00 per hour.....	\$	87.50

Greg Williams, Engineer/Scientist/Specialist III
 4.3 hours @ \$165.00 per hour..... \$ 709.50

**Subtotal, 2010—Next Generation Plan Development– Address
 Complex Issues\$ 2,677.00**

SUBTOTAL, 2000—PLANNING\$ 9,703.50

4000—OUTREACH & EDUCATION

4010—Publications/Annual Report

Subtotal, 4010—Publications/Annual Report\$ 0.00

SUBTOTAL, 4000—OUTREACH & EDUCATION\$ 0.00

CAPITAL IMPROVEMENT PROJECTS

Schaper Pond Carp Management (SL-3)

Communications with Golden Valley staff regarding impact of lift station construction on potential future water quality and carp monitoring efforts and follow-up internal communications; and plan and develop recommendations for 2023 and 2024 effectiveness monitoring.

Karen L. Chandler, Principal Engineer/Scientist
 2.4 hours @ \$200.00 per hour..... \$ 480.00

Gregory Wilson, Engineer/Scientist/Specialist IV
 7.6 hours @ \$185.00 per hour..... \$ 1,406.00

Subtotal, Schaper Pond Carp Management (SL-3)..... \$ 1,886.00

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

Perform construction administration and observation; internal meetings and coordination; daily reporting, notes, and photo documentation; update dredging quantity tracking spreadsheet; attend construction meetings and prepare/distribute follow up notes; review specifications and prevailing wage requirements; review pay application #1 and prepare memo for February Commission meeting; internal and external communications and email updates; and project management.

Karen L. Chandler, Principal Engineer/Scientist
 10.0 hours @ \$200.00 per hour..... \$ 2,000.00

James Herbert, Principal Engineer/Scientist
 22.1 hours @ \$215.00 per hour..... \$ 4,751.50

Patrick Brockamp, Engineer/Scientist/Specialist III
 24.3 hours @ \$150.00 per hour..... \$ 3,645.00

Kevin Menken, Engineer/Scientist/Specialist II
 53.0 hours @ \$135.00 per hour..... \$ 7,155.00

Alec Bateman, Engineer/Scientist/Specialist II
 1.1 hours @ \$120.00 per hour..... \$ 132.00

Expenses (mileage)..... \$ 543.70

Subtotal, Main Stem Lagoon Dredging Project (2021) (BC-7)..... \$ 18,227.20

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

Construction Services, Project Management and Environmental Assistance

Review and respond to contractor submittals; review pile testing submittals; project coordination; complete design changes for on-park storm sewer; construction inspections and oversight; and project management.

Karen L. Chandler, Principal Engineer/Scientist 0.4 hours @ \$200.00 per hour	\$ 80.00
Aaron Grosser, Principal Engineer/Scientist 0.5 hours @ \$230.00 per hour	\$ 115.00
Benjamin Borree, Engineer/Scientist/Specialist IV 0.7 hours @ \$185.00 per hour	\$ 129.50
Jennifer Brekken, Engineer/Scientist/Specialist IV 0.8 hours @ \$185.00 per hour	\$ 148.00
Stephanie Johnson, Engineer/Scientist/Specialist IV 9.7 hours @ \$200.00 per hour	\$ 1,940.00
Kevin Miller, Engineer/Scientist/Specialist IV 0.3 hours @ \$175.00 per hour	\$ 52.50
Greg Fransen, Engineer/Scientist/Specialist III 1.2 hours @ \$155.00 per hour	\$ 186.00
Josh Phillips, Engineer/Scientist/Specialist II 19.4 hours @ \$140.00 per hour	\$ 2,716.00
Andrea Pariani, Engineer/Scientist/Specialist II 1.0 hours @ \$125.00 per hour	\$ 125.00
Seth Stump, Engineer/Scientist/Specialist I 0.5 hours @ \$110.00 per hour	\$ 55.00
Expenses (mileage).....	\$ <u>39.97</u>
<i>Subtotal, Construction Services, Project Management and Environmental Assistance.....</i>	<i>\$ 5,466.97</i>

Addition of 36-inch Pipe

Coordinate with project partners on design changes related to MH-24 and replacement of 36" pipe; and complete design of new 36" pipe.

Karen L. Chandler, Principal Engineer/Scientist 0.8 hours @ \$200.00 per hour	\$ 160.00
Stephanie Johnson, Engineer/Scientist/Specialist IV 2.1 hours @ \$200.00 per hour	\$ 420.00
Josh Phillips, Engineer/Scientist/Specialist II 5.8 hours @ \$140.00 per hour	\$ 812.00
Jacob Daire, Engineer/Scientist/Specialist II 5.0 hours @ \$120.00 per hour	\$ <u>600.00</u>

Subtotal, Addition of 36-inch Pipe \$ 1,992.00

***Subtotal, Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5)*\$ 7,458.97**

Bassett Creek Main Stem Restoration, Regent Ave to Golden Valley Rd, Feasibility Study (2024) (CR-M)
 Communications and meetings with administrator, Golden Valley staff and internal staff regarding public meeting materials (maps and boards); create draft and final boards and concept alternative maps for public meeting; update GIS figures with restoration concepts; create concept alternative draft cost estimates; meet with internal staff regarding restoration evaluation and concepts; update draft feasibility report; and provide bi-weekly email updates to administrator, Golden Valley staff, and TRPD staff.

Karen L. Chandler, Principal Engineer/Scientist 4.1 hours @ \$200.00 per hour	\$ 820.00
Jessica Olson, Engineer/Scientist/Specialist III 41.5 hours @ \$170.00 per hour	\$ 7,055.00
Brent Lindstrom, Engineer/Scientist/Specialist III 0.8 hours @ \$145.00 per hour	\$ 116.00
Kallie Doeden, Engineer/Scientist/Specialist II 10.9 hours @ \$130.00 per hour	\$ 1,417.00
Brendan Dougherty, Engineer/Scientist/Specialist II 0.8 hours @ \$135.00 per hour	\$ 108.00
Aaron Brown, Engineer/Scientist/Specialist I 31.1 hours @ \$110.00 per hour	\$ 3,421.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 15.1 hours @ \$115.00 per hour	\$ 1,661.00
Katie Kramarczuk, Engineer/Scientist/Specialist I 3.2 hours @ \$100.00 per hour	\$ 320.00
Megan Niess, Engineer/Scientist/Specialist I 15.7 hours @ \$105.00 per hour	\$ 1,805.50
Technicians/Administrative.....	\$ <u>2,695.00</u>

Subtotal, Basset Creek Main Stem Restoration, Regent Ave to Golden Valley Rd, Feasibility Study (2024) (CR-M)..... \$ 19,418.50

Ponderosa Woods Stream Restoration Project Feasibility Study (2024) (ML-22)

Prepare and revise concept designs, calculations, cost estimates, GIS figures and boards for the public meeting; meetings with administrator and Plymouth staff to prepare for public meeting; prepare for and attend public meeting; draft feasibility report; review available modeling data; and prepare and send project email updates.

Karen L. Chandler, Principal Engineer/Scientist 1.6 hours @ \$200.00 per hour.....	\$ 320.00
Jessica Olson, Engineer/Scientist/Specialist III 0.2 hours @ \$170.00 per hour.....	\$ 34.00

Kallie Doeden, Engineer/Scientist/Specialist II 14.0 hours @ \$130.00 per hour.....	\$	1,820.00
Brendan Dougherty, Engineer/Scientist/Specialist II 1.8 hours @ \$135.00 per hour.....	\$	243.00
Aaron Brown, Engineer/Scientist/Specialist I 11.9 hours @ \$110.00 per hour.....	\$	1,309.00
Elizabeth Boehm, Engineer/Scientist/Specialist I 2.5 hours @ \$95.00 per hour.....	\$	237.50
Technicians/Administrative.....	\$	221.00
Expenses (mileage).....	\$	<u>22.93</u>
<i>Subtotal, Ponderosa Woods Stream Restoration Project Feasibility Study (2024) (ML-22).....</i>		
	\$	4,207.43

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

Follow-up communications with Plymouth staff regarding 2022 field and lab water quality monitoring; compile and review 2022 and historical monitoring data; develop bathymetric mapping of Parkers Lake; and communications with MCES staff regarding special discharge permitting requirements for pumping lake bottom water to the sanitary sewer system.

Gregory Wilson, Engineer/Scientist/Specialist IV 6.0 hours @ \$185.00 per hour.....	\$	1,110.00
Edward Anderson, Engineer/Scientist/Specialist I 1.3 hours @ \$105.00 per hour.....	\$	<u>149.50</u>
<i>Subtotal, Parkers Lake Chloride Reduction Project (2021) (PL-7)</i>		
	\$	1,259.50

SUBTOTAL CAPITAL IMPROVEMENTS PROJECTS\$ 52,457.60

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
1000	ENGINEERING & MONITORING	
1010	Technical Services	\$17,675.00
1020	Development/Project Reviews	\$2,605.70
1030	Non-fee and Preliminary Reviews	\$2,608.00
1040	Commission and TAC Meetings	\$1,250.00
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$1,303.50
1070	Water Quantity	\$688.48
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
1000	SUBTOTAL ENGINEERING & MONITORING	\$26,130.68
2000	PLANNING	
2010	Next Generation Plan Development	\$7,026.50
2020	Next Generation Plan Development - Address Complex Issues	\$2,677.00
2000	SUBTOTAL PLANNING	\$9,703.50
4000	OUTREACH & EDUCATION	
4010	Publications/Annual Report	\$0.00
4000	SUBTOTAL OUTREACH & EDUCATION	\$0.00
--	SUBTOTAL CAPITAL IMPROVEMENT PROJECTS	\$52,457.60
TOTAL PAYABLE		\$88,291.78

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.

