



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

Page # 1
Invoice # 23270051-2023-7
Project # 23/27-0051
Client # 59
September 8, 2023

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
July 29, 2023 through September 1, 2023

1000—ENGINEERING & MONITORING

1010—Technical Services

Provide Minnetonka staff with Crane Lake normal water level and outlet information; follow-up communications regarding previously completed Wirth on the Woods project; Medicine Lake water level public communication: develop draft water level figure, internal communications regarding lake water levels, normal water level, benchmarks and datum, prepare revised figure and provide to administrator for distribution; update BCWMC project review fees, and communications with administrator regarding project review fees that exceeded \$5,000 (Golden Valley Country Club Reseed and Hole 8 (BCWMC 2023-10)); review Bassett Creek Park Pond CIP schedule; and check BCWMC project review archives for drawings for Talo Apartments in Golden Valley (BCWMC 2013-12 The Three Nine Four) per request from administrator.

James P. Herbert, Principal Engineer/Scientist		
13.4 hours @ \$215.00 per hour	\$	2,881.00
Karen L. Chandler, Principal Engineer/Scientist		
6.0 hours @ \$200.00 per hour	\$	1,200.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I		
4.1 hours @ \$110.00 per hour	\$	451.00
Expenses (mileage).....	\$	15.72
<i>Subtotal, Technical Services</i>	<i>\$</i>	<i>4,547.72</i>

Monthly Meeting Preparation

Communications/coordination with administrator and internal staff regarding draft/final agenda and meeting packet for August Commission meeting; review/edit July meeting minutes; prepare for August Commission meeting, including review meeting packet, review final NPDES Construction Stormwater Permit, compare to BCWMC-provided comments and prepare Engineer communication for August meeting, meeting with administrator and Commission attorney to discuss July meeting logistics, and pre-meeting conference call with Chair Cesnik and administrator; and communications with administrator and internal staff regarding follow-up items from August Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 11.8 hours @ \$215.00 per hour	\$ 2,537.00
Karen L. Chandler, Principal Engineer/Scientist 11.9 hours @ \$200.00 per hour	\$ 2,380.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 0.5 hours @ \$110.00 per hour	\$ 55.00
Technicians/Administrative.....	\$ <u>605.00</u>
<i>Subtotal, Monthly Meeting Preparation.....</i>	<i>\$ 5,577.00</i>

General WCA LGU Admin

Communications with Golden Valley staff, administrator and internal staff regarding TEP meeting in Golden Valley and BCWMC attendance.

James P. Herbert, Principal Engineer/Scientist 1.7 hours @ \$215.00 per hour	\$ <u>365.50</u>
<i>Subtotal, General WCA LGU Admin.....</i>	<i>\$ 365.50</i>

Robbinsdale WCA LGU Admin

Three Rivers Park District's 65-acre Sochacki Park site in Robbinsdale & Golden Valley: review wetland delineation report; compare two separate wetland delineations at northeast portion of site; schedule, prepare for and conduct wetland delineation site review, including communications with TEP members and wetland delineator; internal communications regarding potential wetland regulatory requirements; and respond to questions regarding wetland delineation revisions and MDNR jurisdiction.

Karen Wold, Engineer/Scientist/Specialist III 7.2 hours @ \$150.00 per hour	\$ 1,080.00
Expenses (mileage).....	\$ <u>20.96</u>
<i>Subtotal, Robbinsdale WCA LGU Admin.....</i>	<i>\$ 1,100.96</i>

TAC Preparation

Communications with administrator and internal staff regarding September TAC meeting agenda, including Lagoon dredging project discussion items.

James P. Herbert, Principal Engineer/Scientist 0.9 hours @ \$215.00 per hour	\$ 193.50
Karen L. Chandler, Principal Engineer/Scientist 2.5 hours @ \$200.00 per hour	\$ <u>500.00</u>
<i>Subtotal, TAC Preparation.....</i>	<i>\$ 693.50</i>

Subtotal 1010—Technical Services.....\$ 12,284.68

1020—Development/Project Reviews

Marsh Run II-Multifamily Apts (2023-04)

Review revised grading, drainage, erosion control and water quality plans; prepare and send comment letter to city staff; and provide consultant with historic drawings of the site.

James P. Herbert, Principal Engineer/Scientist 3.5 hours @ \$215.00 per hour	\$ 752.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 3.7 hours @ \$110.00 per hour	\$ <u>407.00</u>
<i>Subtotal, Marsh Run II-Multifamily Apts (2023-04)</i>	\$ 1,159.50

Hennepin Co. Sheriff Headquarters (2023-15)

Review two sets of revised grading, drainage, erosion control and water quality plans; communications with applicant about application status; prepare and send comment letter to city staff that includes BCWMC comments and Minnehaha Creek Watershed District comments (proposed development located within the Bassett Creek and Minnehaha Creek watersheds); and prepare and send approval letter to city staff.

James P. Herbert, Principal Engineer/Scientist 3.0 hours @ \$215.00 per hour	\$ 645.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 6.1 hours @ \$110.00 per hour	\$ <u>671.00</u>
<i>Subtotal, Hennepin Co. Sheriff Headquarters (2023-15)</i>	\$ 1,316.00

Douglas Dr Townhomes (2023-16)

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; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 2.7 hours @ \$215.00 per hour	\$ 580.50
Gabrielle Campagnola, Engineer/Scientist/Specialist I 3.0 hours @ \$110.00 per hour	\$ 330.00
Technicians/Administrative	\$ <u>52.50</u>
<i>Subtotal, Douglas Dr Townhomes (2023-16)</i>	\$ 963.00

Adath Cemetery (2023-17)

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; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 3.0 hours @ \$215.00 per hour	\$ 645.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 3.1 hours @ \$110.00 per hour	\$ 341.00
Technicians/Administrative	\$ <u>105.00</u>
<i>Subtotal, Adath Cemetery (2023-17)</i>	\$ 1,091.00

Baldwin Supply (2023-18)

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; and project close-out, including documentation, tracking and filing.

James P. Herbert, Principal Engineer/Scientist 4.2 hours @ \$215.00 per hour	\$	903.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 3.7 hours @ \$110.00 per hour	\$	407.00
Technicians/Administrative.....	\$	<u>105.00</u>
<i>Subtotal, Baldwin Supply (2023-18)</i>	\$	<i>1,415.00</i>
Subtotal, 1020—Development/Project Reviews	\$	5,944.50

1030—Non-Fee and Preliminary Reviews

Preliminary Reviews

Meet with City of Medicine Lake consultant for Peninsula Road Project (BCWMC 2021-36) to discuss project revisions prior to resubmitting the plan set; review revised MDNR appropriation permit 1986-6081; communications with TRPD staff regarding BCWMC requirements for work involving a Bassett Creek crossing; and preliminary review of 18035 Rockford Rd project and Good Shepherd project in Plymouth.

James P. Herbert, Principal Engineer/Scientist 8.8 hours @ \$215.00 per hour	\$	1,892.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 1.9 hours @ \$110.00 per hour	\$	<u>209.00</u>
<i>Subtotal, Preliminary Reviews</i>	\$	<i>2,101.00</i>

Non-Fee Reviews

<i>Subtotal, Non-Fee Reviews.....</i>	\$	<i>0.00</i>
Subtotal, 1030— Non-Fee and Preliminary Reviews.....	\$	2,101.00

1040—Commission and TAC Meetings

Attend August 17 Commission meeting.

Karen L. Chandler, Principal Engineer/Scientist 2.6 hours @ \$200.00 per hour	\$	520.00
Subtotal, 1040—Commission and TAC Meetings.....	\$	520.00

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 regarding protocols for monitoring/analysis of blue green algae/harmful algal blooms (HAB).

Meg Rattei, Engineer/Scientist/Specialist III 0.3 hours @ \$150.00 per hour	\$	<u>45.00</u>
<i>Subtotal, General Water Quality.....</i>	\$	<i>45.00</i>

Sweeney Lk & Twin Lk 2023 Monitoring

Prepare for and perform August 8 and August 22 water quality monitoring; analyze phytoplankton samples collected on August 8 and August 22 from Sweeney Lake north basin, Sweeney Lake south basin, and Twin Lake; analyze zooplankton samples collected from Sweeney Lake north basin on August 9 and August 22, from Sweeney Lake south basin on April 26, June 13, July 11, August 9, and August 22, and from Twin Lake on August 9; communications with laboratory regarding lab reports; file chain of custody forms, lab reports, and field data; upload laboratory data into Barr EQUIS database; communications with aquatic plant survey subconsultant (Endangered Resource Services), download, review, and file Sweeney Lake and Twin Lake plant survey data, review/process ERS invoice; expenses include equipment and other monitoring-related expenses, RMB invoices for laboratory analyses of water quality samples collected on June 13, July 11, and August 8, and the ERS invoice for June and August plant surveys on Sweeney Lake and Twin Lake.

Terri Olson, Engineer/Scientist/Specialist III 2.1 hours @ \$160.00 per hour	\$	336.00
Meg Rattei, Engineer/Scientist/Specialist III 26.8 hours @ \$150.00 per hour	\$	4,020.00
Kelly Wild, Engineer/Scientist/Specialist II 0.4 hours @ \$125.00 per hour	\$	50.00
Technicians/Administrative.....	\$	2,568.50
Sub Consultant (RMB Enviro Lab/Endangered Resource Services)	\$	7,445.46
Expenses (filtration apparatus/vehicle/canoe/ice/bottle sampler/ mileage/WQ meter/zooplankton net)	\$	<u>419.89</u>
<i>Subtotal, Sweeney Lk & Twin Lk 2023 Monitoring.....</i>	<i>\$</i>	<i>14,839.85</i>

Plymouth Creek Monitoring Year 2

Program and install continuous dissolved oxygen monitoring probe on August 1; remove continuous dissolved oxygen monitoring probe on August 18, take water quality measurements, download continuous dissolved oxygen data, process data, and complete quality assurance review of data; August 18 site visit to check flow and water quality following rain event; review new MCES chain of custody forms for submission of lab samples; and monitoring-related expenses.

Christopher Bonick, Engineer/Scientist/Specialist II 14.5 hours @ \$140.00 per hour	\$	2,030.00
Expenses (vehicle/mileage/WQ meter)	\$	<u>133.65</u>
<i>Subtotal, Plymouth Creek Monitoring Year 2</i>	<i>\$</i>	<i>2,163.65</i>
Subtotal, 1060—Water Quality/Monitoring.....	\$	17,048.50

1070—Water Quantity

Measure and review lake elevations as part of the lake-gauging program; and review benchmark and datum information.

Technicians/Administrative.....	\$	1,417.50
Expenses (vehicle/mileage).....	\$	<u>223.00</u>
<i>Subtotal, Water Quantity</i>	\$	1,640.50
Subtotal, 1070—Water Quantity	\$	1,640.50

1080—Annual Flood Control Project Inspections

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

James P. Herbert, Principal Engineer/Scientist 3.7 hours @ \$215.00 per hour	\$	<u>795.50</u>
Subtotal, 1080—Annual Flood Control Project Inspections	\$	795.50

1090—Municipal Plan Review

Minnetonka Water Resources Management Plan Amendment: review city’s draft response letter; and communications with administrator regarding approval process.

Karen L. Chandler, Principal Engineer/Scientist 1.2 hours @ \$200.00 per hour.....	\$	<u>240.00</u>
Subtotal, 1090— Municipal Plan Review	\$	240.00

1100—Watershed Outlet Monitoring Program

Perform August 11 flow measurement at WOMP station; submit Survey 123 form to MCES; communications with MCES staff; communications with administrator and internal staff regarding WOMP station vandalism; and monitoring-related expenses.

Karen L. Chandler, Principal Engineer/Scientist 0.2 hours @ \$200.00 per hour.....	\$	<u>40.00</u>
Chris Bonick, Engineer/Scientist/Specialist II 4.0 hours @ \$140.00 per hour	\$	<u>560.00</u>
Expenses (vehicle/mileage/ipad/Sontek ADV).....	\$	<u>145.60</u>
Subtotal, 1100—Watershed Outlet Monitoring Program	\$	745.60

1110—XPSWMM Model Updates/Reviews

Subtotal, 1110—XPSWMM Model Updates/Reviews	\$	0.00
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1130—APM/AIS

Communications with administrator, aquatic plant survey subconsultant (Endangered Resource Services), and internal staff regarding discovery of Eurasian watermilfoil (EWM) in Sweeney Lake during August 25 plant survey and removal of EWM; download Sweeney Lake EWM data from the August 25 plant survey; prepare EWM herbicide treatment plan for Sweeney Lake and provide to administrator; answer questions from administrator and the Sweeney Lake Association; review the herbicide applicator’s (PLM) cost proposals to Sweeney Lake Association and provide comments; review/edit draft communication to the Sweeney Lake Association; communications with PLM regarding the Sweeney

Lake herbicide treatment; and review plant photos submitted to the administrator by Sweeney Lake residents, and communications with ERS and administrator regarding identification of the plants.

Karen L. Chandler, Principal Engineer/Scientist 1.4 hours @ \$200.00 per hour.....	\$	280.00
Meg Rattei, Engineer/Scientist/Specialist III 13.4 hours @ \$150.00 per hour.....	\$	2,010.00
Katie Turpin-Nagel, Engineer/Scientist/Specialist III 1.6 hours @ \$145.00 per hour.....	\$	232.00
Kallie Doeden, Engineer/Scientist/Specialist II 0.3 hours @ \$130.00 per hour.....	\$	39.00
Subtotal, 1130—APM/AIS	\$	2,561.00
SUBTOTAL, 1000—ENGINEERING & MONITORING	\$	43,881.28

2000—PLANNING

2010—Next Generation Plan Development

Attend the August 1 PSC meeting to discuss priority issues; meeting with administrator to review outcomes of the August 1 PSC meeting and plan for the August 17 Commission issue prioritization workshop; prepare materials and review materials prepared by the administrator for the August 17 Commission workshop; attend the August 17 Commission workshop; meet with administrator to discuss workshop results and next steps; develop draft issue statements, issue backgrounds, and goals for priority issues categorized as “Water and Watershed Quality” per the August 17 workshop.

Karen L. Chandler, Principal Engineer/Scientist 16.9 hours @ \$200.00 per hour.....	\$	3,380.00
Greg Williams, Engineer/Scientist/Specialist III 30.6 hours @ \$165.00 per hour.....	\$	5,049.00
Subtotal, 2010—Next Generation Plan Development	\$	8,429.00

2020—Next Generation Plan Development – Address Complex Issues

Subtotal, 2010—Next Generation Plan Development– Address Complex Issues	\$	0.00
SUBTOTAL, 2000—PLANNING	\$	8,429.00

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)

Review submittal of revised 90% plans; and prepare and send comments to Plymouth staff, Plymouth

consultant, and administrator; review resubmittal; and prepare and send comments to Plymouth staff, Plymouth consultant, and administrator.

James P. Herbert, Principal Engineer/Scientist 4.0 hours @ \$215.00 per hour	\$ 860.00
Karen L. Chandler, Principal Engineer/Scientist 0.5 hours @ \$200.00 per hour	\$ 100.00
Gabrielle Campagnola, Engineer/Scientist/Specialist I 10.8 hours @ \$110.00 per hour	\$ <u>1,188.00</u>
<i>Subtotal, Four Seasons Area Water Quality Project (NL-2)</i>	<i>\$ 2,148.00</i>

Schaper Pond Carp Management (SL-3)

Prepare for/complete the second water quality monitoring event on August 17; send samples to the lab; and communications regarding analytical testing and project status updates; expenses include RMB charges for laboratory analyses of water quality samples and other monitoring-related expenses.

Terri Olson, Engineer/Scientist/Specialist III 0.4 hours @ \$160.00 per hour	\$ 64.00
Kevin Menken, Engineer/Scientist/Specialist II 6.5 hours @ \$135.00 per hour	\$ 877.50
Katie Kramarczuk, Engineer/Scientist/Specialist I 4.8 hours @ \$100.00 per hour	\$ 480.00
Sub Consultant (RMB Enviro Lab)	\$ 686.40
Expenses (vehicle/mileage/canoe/ice/turbidimeter/WQ meter/bottle sampler).....	\$ <u>203.66</u>
<i>Subtotal, Schaper Pond Carp Management (SL-3).....</i>	<i>\$ 2,311.56</i>

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

Communications with administrator, Commission attorney and internal staff regarding Contractor response to claim; prepare Engineer's decision document; prepare for and attend August 17 Commission meeting closed session; communications with MN DOLI regarding Contractor prevailing wages; communications with MPRB regarding the MPRB's consultant's (AET) post-construction roadway documentation report; and prepare "lessons learned" document for September TAC meeting.

James P. Herbert, Principal Engineer/Scientist 22.4 hours @ \$215.00 per hour	\$ 4,816.00
Karen L. Chandler, Principal Engineer/Scientist 17.6 hours @ \$200.00 per hour	\$ 3,520.00
Patrick Brockamp, Engineer/Scientist/Specialist III 18.0 hours @ \$150.00 per hour	\$ <u>2,700.00</u>
<i>Subtotal, Main Stem Lagoon Dredging Project (2021) (BC-7).....</i>	<i>\$ 11,036.00</i>

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

Construction Services, Project Management and Environmental Assistance

Review of payment applications; site observation; and project management.

Stephanie Johnson, Engineer/Scientist/Specialist IV 2.9 hours @ \$200.00 per hour	\$	580.00
Josh Phillips, Engineer/Scientist/Specialist II 3.5 hours @ \$140.00 per hour	\$	490.00
Expenses (mileage)	\$	<u>13.76</u>
<i>Subtotal, Construction Services, Project Management and Environmental Assistance.....</i>	\$	<i>1,083.76</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>1,083.76</i>

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

Develop watershed and lake chloride mass balance computations; develop conceptual design for chloride treatment alternatives; communications with MDNR staff regarding permit requirements for chloride treatment alternatives; develop cost estimates and draft technical memorandum; and communications regarding project status updates.

Bryan Oakley, Engineer/Scientist/Specialist IV 20.0 hours @ \$200.00 per hour	\$	4,000.00
Gregory Wilson, Engineer/Scientist/Specialist IV 3.7 hours @ \$190.00 per hour	\$	703.00
Becca Vernace, Engineer/Scientist/Specialist II 1.0 hours @ \$130.00 per hour	\$	130.00
Sara BinAhmed-Menzies, Engineer/Scientist/Specialist I 37.6 hours @ \$115.00 per hour	\$	4,324.00
Sorel Nelson, Engineer/Scientist/Specialist I 0.6 hours @ \$110.00 per hour	\$	66.00
Augustina Osabutey, Engineer/Scientist/Specialist I 23.5 hours @ \$105.00 per hour	\$	2,467.50
Expenses (WI-FI hot spot)	\$	<u>5.00</u>
<i>Subtotal, Parkers Lake Chloride Reduction Project (2021) (PL-7)</i>	\$	<i>11,695.50</i>

SUBTOTAL CAPITAL IMPROVEMENTS PROJECTS\$ 80,585.10

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
1000	ENGINEERING & MONITORING	
1010	Technical Services	\$12,284.68
1020	Development/Project Reviews	\$5,944.50
1030	Non-fee and Preliminary Reviews	\$2,101.00
1040	Commission and TAC Meetings	\$520.00
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$17,048.50
1070	Water Quantity	\$1,640.50
1080	Annual Flood Control Project Inspections	\$795.50
1090	Municipal Plan Review	\$240.00
1100	Watershed Outlet Monitoring Program	\$745.60
1110	Annual XP-SWMM Model Updates/Reviews	\$0.00
1120	TMDL Implementation Reporting	\$0.00
1130	APM/AIS	\$2,561.00
1000	SUBTOTAL ENGINEERING & MONITORING	\$43,881.28
2000	PLANNING	
2010	Next Generation Plan Development	\$8,429.00
2020	Next Generation Plan Development - Address Complex Issues	\$0.00
2000	SUBTOTAL PLANNING	\$8,429.00
4000	OUTREACH & EDUCATION	
4010	Publications/Annual Report	\$0.00
4000	SUBTOTAL OUTREACH & EDUCATION	\$0.00
--	SUBTOTAL CAPITAL IMPROVEMENT PROJECTS	\$28,274.82
TOTAL PAYABLE		\$80,585.10

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.

