Ms. Catherine Cesnik Bassett Creek Watershed Management Commission PO Box 270825 Golden Valley, MN 55427 Page # 1 Invoice # 23270051-2024-6 Project # 23/27-0051 Client # 59 August 1, 2024

Invoice of Account with BARR ENGINEERING COMPANY

For professional services during the period of June 29, 2024 through July 26, 2024

1000—ENGINEERING & MONITORING

1010—Technical Services

Communications with administrator regarding grant tracking and BWSR Clean Water Fund grant RFP; internal communications regarding double box culvert CIP project/schedule and 2025 BCWMC budget; and communications with administrator, MPRB staff and Minneapolis staff regarding flooding concerns at Anwatin pond.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$220.00 per hour\$	110.00
Karen L. Chandler, Principal Engineer/Scientist 1.0 hours @ \$210.00 per hour\$	210.00
Expenses (mileage)\$_	20.10
Subtotal, Technical Services\$	340.10

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 review meeting packet, pre-meeting conference call with Chair Cesnik and administrator, prepare revised draft/final Sweeney Lake, Twin Lake and Plymouth Creek presentation for July Commission meeting, and prepare Engineer Communications regarding Sweeney Lake and Schaper Pond carp survey results and next steps; 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 7.9 hours @ \$220.00 per hour	\$ 1,738.00
Karen L. Chandler, Principal Engineer/Scientist 20.2 hours @ \$210.00 per hour	\$ 4,242.00
Stephanie Johnson, Consultant/Advisor 10.3 hours @ \$205.00 per hour	\$ 2,111.50

Meg Rattei, Engineer/Scientist/Specialist III 20.0 hours @ \$155.00 per hour\$	3,100.00
Gabrielle Campagnola, Engineer/Scientist/Specialist II	100.00
0.9 hours @ \$120.00 per hour\$	108.00
Technicians/Administrative\$_	
Subtotal, Monthly Meeting Preparation\$	12,116.00
General WCA LGU Administration Attend BWSR July 22 webinar regarding overview of 2024 WCA statute amendments.	
Karen Wold, Engineer/Scientist/Specialist III 0.2 hours @ \$155.00 per hour\$	31.00
Subtotal, General WCA LGU Administration\$	31.00
TAC Preparation Prepare draft scope of work and budget for enhanced street sweeping prioritization TAC meeting; internal coordination between street sweeping, water quality modelin reduction projects; communications with Plymouth staff on street sweeping efficient	ng, and chloride
Karen L. Chandler, Principal Engineer/Scientist 0.8 hours @ \$210.00 per hour\$	168.00
Stephanie Johnson, Consultant/Advisor 5.9 hours @ \$205.00 per hour\$	1,209.50
Tim Anderson, Engineer/Scientist/Specialist IV 1.5 hours @ \$180.00 per hour\$	270.00
Greg Wilson, Engineer/Scientist/Specialist IV 1.0 hours @ \$195.00 per hour\$	195.00
Michael McKinney, Engineer/Scientist/Specialist III 11.8 hours @ \$160.00 per hour\$\$	1,888.00
Subtotal, TAC Preparation\$	3,730.50
Subtotal 1010—Technical Services\$	16,217.60
1020—Development/Project Reviews Ply Blvd Rehab Project (2024-03) Review water quality plans, communications with city staff, city's consultant, and adsend comments letter to city staff.	lministrator; and
Karen L. Chandler, Principal Engineer/Scientist 0.2 hours @ \$210.00 per hour\$	42.00
James P. Herbert, Principal Engineer/Scientist 6.8 hours @ \$220.00 per hour\$	1,496.00
Tyler Olsen, Engineer/Scientist/Specialist III 0.2 hours @ \$150.00 per hour\$	30.00
Gabrielle Campagnola, Engineer/Scientist/Specialist II 15.8 hours @ \$120.00 per hour\$	1,896.00
Subtotal, Ply Blvd Rehab Project (2024-03)\$	3,464.00

Highway 55 Lift Station Relocation (2024-10)

Review grading, drainage, and erosion control plans; review floodplain impacts; prepare project review memo for July Commission meeting; coordination with city staff and city's consultant; and send comments letter to city staff.

James P. Herbert, Principal Engineer/Scientist 5.6 hours @ \$220.00 per hour\$	1,232.00
Karen L. Chandler, Principal Engineer/Scientist 0.5 hours @ \$210.00 per hour\$	105.00
Stephanie Johnson, Consultant/Advisor 0.4 hours @ \$205.00 per hour\$	82.00
Edward Anderson, Engineer/Scientist/Specialist II 0.5 hours @ \$120.00 per hour\$	60.00
Gabrielle Campagnola, Engineer/Scientist/Specialist II 7.7 hours @ \$120.00 per hour\$\$	924.00
Subtotal, Highway 55 Lift Station Relocation (2024-10)\$	2,403.00
Covenant Living Site Improv_GV (2024-11) Review grading, drainage, and erosion control plans.	
James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$220.00 per hour\$	110.00
Gabrielle Campagnola, Engineer/Scientist/Specialist II 2.5 hours @ \$120.00 per hour\$	300.00
Technicians/Administrative\$_	105.00
Subtotal, Covenant Living Site Impro_GV (2024-11)\$	515.00
Creek Edge Townhomes Crystal (2024-12) Review grading, drainage, and erosion control plans; and review floodplain cut and	fill analysis.
James P. Herbert, Principal Engineer/Scientist 3.5 hours @ \$220.00 per hour\$	770.00
Technicians/Administrative\$_	105.00
Subtotal, Creek Edge Townhomes Crystal (2024-12)\$	875.00
Subtotal, 1020—Development/Project Reviews\$	7,257.00

1030—Preliminary and Non-Fee Reviews

Preliminary Reviews

Plymouth Ice Center Parking Lot & Trail Improvements: communications with administrator and Plymouth staff, review of preliminary plans, and prepare for meeting; Fruen Mill: communications with administrator and Minneapolis staff regarding meeting with applicant, attend meeting with applicant and Minneapolis staff regarding Fruen Mill redevelopment, review of Fruen Mill meeting comments, and meeting with administrator and Commissioner Welch regarding project background and status.

James P. Herbert, Principal Engineer/Scientist	
4.6 hours @ \$220.00 per hour\$	1.012.00

	Gabrielle Campagnola, Engineer/Scientist/Specialist II
192.00	1.6 hours @ \$120.00 per hour\$_
1,204.00	Subtotal, Preliminary Reviews\$

Non-Fee Reviews

General Reviews

Review MDNR permit No. 2024-1323 for dewatering Fruen Mill basement; and preliminary review and communications with administrator, Minneapolis staff and Southwest Light Rail Transit (SWLRT) staff regarding geofoam placement above Bassett Creek tunnel and inspection as part of the proposed SWLRT project.

James P. Herbert, Principal Engineer/Scientist	
13.7 hours @ \$220.00 per hour\$	3,014.00
Subtotal. General Reviews\$	3.014.00

Blue Line LRT

Review tunnel realignment location and 30% drawings for portion of Blue Line LRT in BCWMC and communications with administrator, Met Council staff and internal staff; review Supplemental Draft EIS for portion of Blue Line LRT in BCWMC and prepare and send memo regarding suggested comments to administrator for July Commission meeting packet; and submit BCWMC comments on Supplemental Draft EIS via Met Council website on behalf of administrator.

Subtotal, 1030—Preliminary and Non-Fee Reviews\$	6,007.00
Subtotal, Blue Line LRT\$	1,789.00
Karen L. Chandler, Principal Engineer/Scientist 3.7 hours @ \$210.00 per hour\$_	777.00
4.6 hours @ \$220.00 per hour\$	1,012.00
James P. Herbert, Principal Engineer/Scientist	

1040—Commission and TAC Meetings

Attend July 18 Commission meeting, including attendance to present on 2023 monitoring and Crane Lake chloride project.

Karen L. Chandler, Principal Engineer/Scientist 3.1 hours @ \$210.00 per hour\$	651.00
Greg Wilson, Engineer/Scientist/Specialist IV 3.2 hours @ \$195.00 per hour\$	624.00
Meg Rattei, Engineer/Scientist/Specialist III 3.0 hours @ \$155.00 per hour\$	465.00
Expenses (mileage)\$_	31.89
Subtotal, 1040—Commission and TAC Meetings\$	1,771.89
1050—Surveys and Studies	

Subtotal, 1050—Surveys and Studies\$

0.00

1060—Water Quality/Monitoring

General Water Quality

Internal discussion and prepare for upcoming meeting with MPCA on Northwood and Lost Lake TMDLs; coordination with administrator in advance of meeting; attend Northwood and Lost Lake TMDL meeting with MPCA and administrator; and prepare requested GIS data.

Karen L. Chandler, Principal Engineer/Scientist 0.7 hours @ \$210.00 per hour\$	147.00
Stephanie Johnson, Consultant/Advisor 3.2 hours @ \$205.00 per hour\$	656.00
Greg Wilson, Engineer/Scientist/Specialist IV 4.4 hours @ \$195.00 per hour\$	858.00
Joshua Vosejpka, Engineer/Scientist/Specialist I 0.5 hours @ \$115.00 per hour\$_	<u>57.50</u>
Subtotal, General Water Quality\$	1,718.50

Plymouth Creek Report

Review and edit Plymouth Creek report; send draft Plymouth Creek report to administrator for review; review administrator's comments and report edits; finalize Plymouth Creek report; communications with administrator and internal staff in response to administrator's questions on draft report; send final Plymouth Creek report to administrator.

Karen L. Chandler, Principal Engineer/Scientist	
2.6 hours @ \$210.00 per hour\$	546.00
Technicians/Administrative\$	609.00
Subtotal, Plymouth Creek Report\$	1,155.00

Sweeney Lk & Twin Lk 2023 Monitoring Reports

Revise/final Sweeney Lake and Twin Lake reports and send to administrator; and communications with administrator regarding question about location of yellow iris at Sweeney Lake, including maps showing yellow iris locations during June and August 2023.

Karen L. Chandler, Principal Engineer/Scientist 0.3 hours @ \$210.00 per hour\$	63.00
Meg Rattei, Engineer/Scientist/Specialist III 1.6 hours @ \$155.00 per hour\$	248.00
Technicians/Administrative\$_	333.50
Subtotal, Sweeney Lk & Twin Lk 2023 Monitoring Reports\$	644.50

North Branch Monitoring (Year 1)

Download and review data from storm event; collect monthly baseflow grab sample on July 1 and deliver to MCES laboratory; order new cap for Hobo DO sensor and approve invoice after receiving the new cap; site visit to reset cell modem/check connection. Expense charges include mileage to deliver baseflow grab sample to laboratory, ice to cool sample, equipment charge for water quality meter, and vehicle use and mileage charges for site visit.

Meg Rattei, Engineer/Scientist/Specialist III	
0.9 hours @ \$155.00 per hour\$	139.50

Chris Bonick, Engineer/Scientist/Specialist III 3.0 hours @ \$145.00 per hour\$	435.00
Madeline Hankard, Engineer/Scientist/Specialist I 2.9 hours @ \$115.00 per hour\$	333.50
Expenses (vehicle/mileage/WQ meter/ice)\$	210.18
Subtotal, North Branch Monitoring (Year 1)\$	1,118.18

Parkers Lake Monitoring

Review, process, and file lab report from June monitoring for AIS suitability parameters; meet with TRPD staff, drop off sample bottles for August and September monitoring and pick up phytoplankton and zooplankton samples from ice-out and June monitoring; complete zooplankton analysis of sample collected on April 1, 2024. Expenses include courier charge for delivering AIS suitability sample to RMB laboratory on June 18, 2024.

Meg Rattei, Engineer/Scientist/Specialist III 2.8 hours @ \$155.00 per hour\$	434.00
Terri Olson, Engineer/Scientist/Specialist III 0.3 hours @ \$165.00 per hour\$	49.50
Technicians/Administrative\$	117.50
Expenses (courier)\$	45.90
Subtotal, Parkers Lake Monitoring\$	646.90

Westwood Lake Monitoring

Review lab reports; prepare and complete Westwood Lake phytoplankton and zooplankton analyses for samples collected on March 18 and June 11; complete zooplankton analyses for sample collected on July 16; prepare for and complete lake water quality monitoring on July 16; file chain of custody forms and field data forms for July 16 monitoring; prepare for August lake water quality monitoring. Expenses include charges from July 16 sample event including charges for disposable filtration apparatus, equipment charges for Kemmerer vertical bottle sampler, water quality meter, zooplankton net, and canoe, charges for vehicle use and mileage, and charge for ice to cool samples.

Terri Olson, Engineer/Scientist/Specialist III 1.5 hours @ \$165.00 per hour\$	247.50
Meg Rattei, Engineer/Scientist/Specialist III 11.9 hours @ \$155.00 per hour\$	1,844.50
Katie Kramarczuk, Engineer/Scientist/Specialist I 2.6 hours @ \$105.00 per hour\$	273.00
Technicians/Administrative\$	477.00
Expenses (filtration apparatus/vehicle/canoe/ice/WQ meter/net/KVB	
sampler/mileage)\$	212.51
Subtotal, Westwood Lake Monitoring\$	3,054.51

Cavanaugh Lake Monitoring

Review lab reports; prepare and complete Cavanaugh Lake phytoplankton and zooplankton analyses for samples collected on March 18, June 11, and July 16; prepare for and complete lake water quality

monitoring on July 16; file chain of custody forms and field data forms for July 16 monitoring; and prepare for August lake water quality monitoring.

Terri Olson, Engineer/Scientist/Specialist III 0.8 hours @ \$165.00 per hour\$	132.00
Meg Rattei, Engineer/Scientist/Specialist III 14.1 hours @ \$155.00 per hour\$	2,185.50
Katie Kramarczuk, Engineer/Scientist/Specialist I 2.6 hours @ \$105.00 per hour\$	273.00
Technicians/Administrative\$	409.50
Expenses (filtration apparatus)\$_	38.60
Subtotal, Cavanaugh Lake Monitoring\$	3,038.60

Medicine Lake Monitoring

Review, process, and file lab report from June monitoring for AIS suitability parameters; meet with TRPD staff, drop off sample bottles for August and September monitoring and pick up phytoplankton and zooplankton samples from ice-out and June monitoring.

Subtotal, 1070—Water Quantity\$	0.00
Subtotal, Water Level Monitoring\$	0.00
1070—Water Quantity	
Subtotal, 1060—Water Quality/Monitoring\$	11,827.69
Subtotal, Medicine Lake Monitoring\$	451.50
Technicians/Administrative\$_	107.50
Meg Rattei, Engineer/Scientist/Specialist III 1.9 hours @ \$155.00 per hour\$	294.50
Terri Olson, Engineer/Scientist/Specialist III 0.3 hours @ \$165.00 per hour\$	49.50

1080—Annual Flood Control Project Inspections

Communications with Crystal, Golden Valley, Minneapolis, Plymouth and MnDOT reminding them of the flood control project inspection maintenance recommendations.

James P. Herbert, Principal Engineer/Scientist 0.5 hours @ \$220.00 per hour	.\$	110.00
Gabrielle Campagnola, Engineer/Scientist/Specialist II		
0.5 hours @ \$120.00 per hour	.\$	60.00
Subtotal, Annual Inspection	.\$	170.00

Box Culvert Inspection

Coordination and preliminary planning for 2024 box culvert inspection; pre-construction inspection of a portion of the box culvert that will have SWLRT rail and geofoam placed above the culvert.

James P. Herbert, Principal Engineer/Scientist	
1.3 hours @ \$220.00 per hour\$	286.00

Joe Welna, Engineer/Scientist/Specialist IV 2.0 hours @ \$185.00 per hour\$	370.00
Nathaniel Born, Engineer/Scientist/Specialist II 10.5 hours @ \$130.00 per hour\$_	1,365.00
Subtotal, Box Culvert Inspection\$	2,021.00
Agreements Review Commission attorney's revisions to Bassett Creek Tunnel cooperative agreeme Minneapolis.	nt with City of
James P. Herbert, Principal Engineer/Scientist	
0.5 hours @ \$220.00 per hour\$_	
Subtotal, Agreements\$	110.00
Subtotal, 1080—Annual Flood Control Project Inspections\$	2,301.00
1090—Municipal Plan Review	
Subtotal, 1090— Municipal Plan Review\$	0.00
Subtotal, 1090— Municipal Plan Review\$ 1100—Watershed Outlet Monitoring Program	0.00
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1100—Watershed Outlet Monitoring Program	
1100—Watershed Outlet Monitoring Program Subtotal, 1100—Watershed Outlet Monitoring Program\$	
1100—Watershed Outlet Monitoring Program Subtotal, 1100—Watershed Outlet Monitoring Program\$ 1110—XPSWMM Model Updates/Reviews	0.00
1100—Watershed Outlet Monitoring Program Subtotal, 1100—Watershed Outlet Monitoring Program\$ 1110—XPSWMM Model Updates/Reviews Subtotal, 1110—XPSWMM Model Updates/Reviews\$	0.00
1100—Watershed Outlet Monitoring Program Subtotal, 1100—Watershed Outlet Monitoring Program\$ 1110—XPSWMM Model Updates/Reviews Subtotal, 1110—XPSWMM Model Updates/Reviews\$ 1120—APM/AIS Communicating with ERS regarding Sweeney Lake post-treatment survey. Meg Rattei, Engineer/Scientist/Specialist III	0.00

2000—PLANNING

2010—Next Generation Plan Development

Review and provide comment on materials for July 10 PSC meeting; prepare for, attend, and participate in the July 10 PSC meeting; share notes from the July 10 meeting with the administrator; revise format of table presenting draft Plan actions, meet with the administrator to review, and populate the draft table; and begin updating the BCWMC monitoring plan.

Karen L. Chandler, Principal Engineer/Scientist 13.9 hours @ \$210.00 per hour\$	2,919.00
Stephanie Johnson, Consultant/Advisor 5.5 hours @ \$205.00 per hour\$	1,127.50
Greg Williams, Engineer/Scientist/Specialist III 12.9 hours @ \$170.00 per hour\$_	2,193.00
Subtotal, 2010—Next Generation Plan Development\$	6,239.50

<u>2020—Next Generation Plan Development – Address Complex Issues</u>

Subtotal, 2010—Next Generation Plan Development– Address
Complex Issues \$ 0.00

SUBTOTAL, 2000—PLANNING......\$ 6,239.50

4000—OUTREACH & EDUCATION

4040—Education & Public Outreach

SUBTOTAL, 4000—OUTREACH & EDUCATION\$ 0.00

SPECIAL PROJECTS

Medicine Lake TMDL Status Assessment

Compile, review, and update existing BMP information, mapping, and modeling; utilize BMP updates from project partners; and prepare project update.

SUBTOTAL, SPECIAL PROJECTS\$	580.00
Subtotal, Medicine Lake TMDL Status Assessment\$	580.00
Joshua Vosejpka, Engineer/Scientist/Specialist I 2.5 hours @ \$115.00 per hour\$_	287.50
Lachus Vassinka Franingay (Spientist (Specialist I	
1.5 hours @ \$195.00 per hour\$	292.50
Greg Wilson, Engineer/Scientist/Specialist IV	

CAPITAL IMPROVEMENT PROJECTS

Schaper Pond and Sweeney Lake Carp Management

Coordinate and schedule second round of 2024 carp population surveys for Sweeney Lake, including communications with Carp Solutions, Sweeney Lake homeowners, Golden Valley staff, administrator and internal staff; review preliminary survey results and meeting/communications with Carp Solutions regarding preliminary results of carp biomass estimates for Sweeney Lake and Schaper Pond and recommendations for responding to elevated biomass estimate in Sweeney Lake and implications for Schaper Pond effectiveness monitoring; subconsultant invoicing; and follow-up communication regarding potential causes of increased biomass and recommendations for Sweeney Lake carp management and final surveys of Sweeney Lake and Schaper Pond.

Karen L. Chandler, Principal Engineer/Scientist	
0.3 hours @ \$210.00 per hour\$	63.00
Greg Wilson, Engineer/Scientist/Specialist IV	
7.3 hours @ \$195.00 per hour\$	1,423.50
Expenses (mileage)\$	14.74
Subconsultant (Carp Solutions)\$_	5,280.00
Subtotal, Schaper Pond and Sweeney Lake Carp Management\$	6,781.24

Ponderosa Woods Stream Restoration (2024 ML-22)

Communications with Plymouth staff, Plymouth consultant, administrator and internal staff regarding data and XPSWMM model requests; execute conditional use agreement for XPSWMM model, share model with City subconsultant, follow up communications with subconsultant about model and provide additional data to subconsultant for modeling effort; provide tree survey data

to City consultant; and attend meeting with MPCA staff, Plymouth staff and Plymouth consultant regarding permitting and review needs for Ponderosa Woods stream restoration project and follow-up with internal staff.

Karen L. Chandler, Principal Engineer/Scientist 2.3 hours @ \$210.00 per hour	\$	483.00	
Jen Koehler, Engineer/Scientist/Specialist IV 1.5 hours @ \$185.00 per hour	\$	227.50	
Brendan Dougherty, Engineer/Scientist/Specialist III 1.2 hours @ \$135.00 per hour	\$	145.00	
Kallie Doeden, Engineer/Scientist/Specialist II 3.0 hours @ \$135.00 per hour	\$	405.00	
Subtotal, Ponderosa Woods Stream Restoration (2024 ML-22)	\$	1,310.50	
Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5) [6] Confirm estimated hydraulic impacts from final as-constructed weir elevation; finalize draft project as-builts and coordinate with city on review; document final H&H modeling results; project communications; and project management.			
Stephanie Johnson, Consultant/Advisor 4.5 hours @ \$205.00 per hour	\$	922.50	
Michelle Kimble, Engineer/Scientist/Specialist IV 0.5 hours @ \$185.00 per hour	\$	92.50	
Greg Fransen, Engineer/Scientist/Specialist III 1.1 hours @ \$170.00 per hour	\$	187.00	
Josh Phillips, Engineer/Scientist/Specialist III 0.2 hours @ \$150.00 per hour	\$	30.00	
Jacob Daire, Engineer/Scientist/Specialist II 0.5 hours @ \$130.00 per hour	\$	65.00	
Subtotal, Bryn Mawr Meadows Water Quality Improvement Project (2020) (BC-5) [6]		1,297.00	

SUBTOTAL CAPITAL IMPROVEMENT PROJECTS\$

9,388.74

ACCOUNTING CODE	BUDGET LINE ITEM	INVOICE AMOUNT
1000	ENGINEERING & MONITORING	
1010	Technical Services	\$16,217.60
1020	Development/Project Reviews	\$7,257.00
1030	Non-fee and Preliminary Reviews	\$6,007.00
1040	Commission and TAC Meetings	\$1,771.89
1050	Surveys and Studies	\$0.00
1060	Water Quality/Monitoring	\$11,827.69
1070	Water Quantity	\$0.00
1080	Flood Control Project	\$2,301.00
1090	Municipal Plan Review	\$0.00
1100	Watershed Outlet Monitoring Program	\$0.00
1110	Annual XP-SWMM Model Updates/Reviews	\$0.00
1120	APM/AIS	\$15.50
1000	SUBTOTAL ENGINEERING & MONITORING	\$45,397.68
2000	PLANNING	
2010	Next Generation Plan Development	\$6,239.50
2020	Next Generation Plan Development - Address Complex Issues	\$0.00
2000	SUBTOTAL PLANNING	\$6,239.50
4000	OUTREACH & EDUCATION	
4040	Education & Public Outreach	\$0.00
4010	Publications/Annual Report	\$0.00
4000	SUBTOTAL OUTREACH & EDUCATION	\$0.00
	SPECIAL PROJECTS [4]	\$580.00
	SUBTOTAL CAPITAL IMPROVEMENT PROJECTS	\$9,388.74
TOTAL PAYABL	E	\$61,605.92

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.

Jim Helbert