



resourceful. naturally.
engineering and environmental consultants

Mr. James Prom
Bassett Creek Watershed Management Commission
7800 Golden Valley Road
Golden Valley, MN 55427

Page # 1
Invoice # 23270051-2020-11
Project # 23/27-0051
Client # 59
December 4, 2020

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
October 31, 2020 through November 27, 2020

ENGINEERING

TECHNICAL SERVICES

Communications with administrator regarding Parkers Lake chloride project status and financial reports; internal communications regarding WOMP station relocation and Main Stem erosion project update; communications with MTD manufacturers regarding BCWMC requirements and MTD review; review Golden Valley Comprehensive Plan amendment and communications with administrator; communications with internal staff regarding insurance requirements; communications with administrator, Crystal staff and internal staff regarding sanitary sewer release in North Branch Bassett Creek; prepare for and attend meeting with Minneapolis staff, consultant and administrator regarding city stormwater ordinance; and project management.

James P. Herbert, Principal Engineer/Scientist 3.9 hours @ \$200.00 per hour.....	\$ 780.00
Karen L. Chandler, Principal Engineer/Scientist 8.1 hours @ \$180.00 per hour.....	\$ 1,458.00
Josh P. Phillips, Engineer/Scientist/Specialist II 0.3 hours @ \$105.00 per hour	\$ 31.50
<i>Subtotal, Technical Services.....</i>	<i>\$ 2,269.50</i>

MONTHLY MEETING PREPARATION

Communications/coordination with administrator and internal staff regarding draft/final agenda and meeting packet for November meeting; review/edit draft October meeting minutes; prepare for November Commission meeting, including pre-meeting conference call with administrator and Chair Prom, coordination with internal staff regarding meeting attendance, follow up communications with internal staff and administrator regarding Chair Prom's stream restoration question, and review Commissioner Welch's suggested revisions to conflict of interest memo and communications with administrator regarding recommended changes; and communications with administrator and internal staff regarding follow-up items from November Commission meeting and upcoming meeting agenda items.

James P. Herbert, Principal Engineer/Scientist 3.6 hours @ \$200.00 per hour	\$ 720.00
Karen L. Chandler, Principal Engineer/Scientist 20.7 hours @ \$180.00 per hour	\$ 3,726.00
Peter Hinck, Engineer/Scientist/Specialist III 0.3 hours @ \$140.00 per hour	\$ 42.00
Edward Anderson, Engineer/Scientist/Specialist I 5.5 hours @ \$90.00 per hour	\$ 495.00
Technicians/Administrative	\$ 712.50
<i>Subtotal, Monthly Meeting Preparation</i>	<i>\$ 5,200.50</i>
<i>Subtotal, Technical Services.....</i>	<i>\$ 7,470.00</i>

PLAT REVIEW

Peninsula Road (2019-26)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.2 hours @ \$105.00 per hour	\$ 21.00
<i>Subtotal, Peninsula Road (2019-26).....</i>	<i>\$ 21.00</i>

Suite Living Crystal (2019-27)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.4 hours @ \$105.00 per hour	\$ 42.00
<i>Subtotal, Suite Living Crystal (2019-27).....</i>	<i>\$ 42.00</i>

Plymouth 2020 Street Reconstruction (2019-28)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.6 hours @ \$105.00 per hour	\$ 63.00
<i>Subtotal, Plymouth 2020 Street Reconstruction (2019-28).....</i>	<i>\$ 63.00</i>

Golden Valley 2020 PMP (2020-01)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.4 hours @ \$105.00 per hour	\$ 42.00
<i>Subtotal, Golden Valley 2020 PMP (2020-01).....</i>	<i>\$ 42.00</i>

Penn Avenue Union (2020-02)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.5 hours @ \$105.00 per hour	\$ 52.50
<i>Subtotal, Penn Avenue Union (2020-02).....</i>	<i>\$ 52.50</i>

Plymouth 2020 Pond Maintenance (2020-03)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.3 hours @ \$105.00 per hour	\$ 31.50
<i>Subtotal, Plymouth 2020 Pond Maintenance (2020-03).....</i>	<i>\$ 31.50</i>

CenterPoint 2020 MBLNW (2020-04)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.5 hours @ \$105.00 per hour	\$ 52.50
<i>Subtotal, CenterPoint 2020 MBLNW (2020-04).....</i>	<i>\$ 52.50</i>

Sweeney Lake Shores (PUD) (2020-05)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.7 hours @ \$105.00 per hour	\$ 73.50
<i>Subtotal, Sweeney Lake Shores (PUD) (2020-05)</i>	<i>\$ 73.50</i>

Utility Reconstruction Kentucky-Jersey Ave (2020-07)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.4 hours @ \$105.00 per hour	\$ 42.00
<i>Subtotal, Utility Reconstruction Kentucky-Jersey Ave (2020-07).....</i>	<i>\$ 42.00</i>

Ridgedale Mall Sears Redevelopment (2020-08)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.5 hours @ \$105.00 per hour	\$ 52.50
<i>Subtotal, Ridgedale Mall Sears Redevelopment (2020-08).....</i>	<i>\$ 52.50</i>

Sunset Hill Elementary Improvement (2020-09)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.5 hours @ \$105.00 per hour	\$ 52.50
<i>Subtotal, Sunset Hill Elementary Improvement (2020-09)</i>	<i>\$ 52.50</i>

East Middle School Site Improvements (2020-10)

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

Josh P. Phillips, Engineer/Scientist/Specialist II 0.5 hours @ \$105.00 per hour	\$ 52.50
<i>Subtotal, East Middle School Site Improvements (2020-10).....</i>	<i>\$ 52.50</i>

Hollydale Substation Expansion (2020-11)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.4 hours @ \$105.00 per hour \$ 42.00
Subtotal, Hollydale Substation Expansion (2020-11)..... \$ 42.00

New Hope 2020 Infrastructure Improvements (2020-12)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.3 hours @ \$105.00 per hour \$ 31.50
Subtotal, New Hope 2020 Infrastructure Impr (2020-12)..... \$ 31.50

W Broadway Ave Bridges Reconstruction (2020-13)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.5 hours @ \$105.00 per hour \$ 52.50
Subtotal, W Broadway Ave Bridges Reconstr (2020-13)..... \$ 52.50

Henn Cty Gravelbed Concrete Paving (2020-14)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.4 hours @ \$105.00 per hour \$ 42.00
Subtotal, Henn Cty Gravelbed Concrete Paving (2020-14)..... \$ 42.00

Plymouth Creek Center Renovation (2020-15)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.4 hours @ \$105.00 per hour \$ 42.00
Subtotal, Plymouth Creek Center Renovation (2020-15)..... \$ 42.00

Irving Ave Sanitary Sewer Replacement (2020-16)

Review revised construction drawings; prepare and send approval letter to city staff; and communications with city staff.

James P. Herbert, Principal Engineer/Scientist
2.2 hours @ \$200.00 per hour \$ 440.00
Subtotal, Irving Ave Sanitary Sewer Replacement (2020-16)..... \$ 440.00

Bassett Creek Park No. Playground (2020-17)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.3 hours @ \$105.00 per hour \$ 31.50
Subtotal, Bassett Creek Park No. Playground (2020-17)..... \$ 31.50

Angelo Dr Shoreline Repair (2020-18)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.4 hours @ \$105.00 per hour \$ 42.00
Subtotal, Angelo Dr Shoreline Repair (2020-18)..... \$ 42.00

Rude Landscaping 11625 26th Ave N (2020-19)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.4 hours @ \$105.00 per hour \$ 42.00
Subtotal, Rude Landscaping 11625 26th Ave N (2020-19)..... \$ 42.00

Retro Company Comp Home Care Facility (2020-20)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.3 hours @ \$105.00 per hour \$ 31.50
Subtotal, Retro Company Comp Home Care Facility (2020-20) \$ 31.50

Brose Shoreline Repair (2020-21)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.3 hours @ \$105.00 per hour \$ 31.50
Subtotal, Brose Shoreline Repair (2020-21) \$ 31.50

Xchange Medical Office Bldg (2020-22)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.7 hours @ \$105.00 per hour \$ 73.50
Subtotal, Xchange Medical Office Bldg (2020-22)..... \$ 73.50

Plymouth Commons Drainage Impr. (2020-23)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.4 hours @ \$105.00 per hour \$ 42.00
Subtotal, Plymouth Commons Drainage Impr. (2020-23)..... \$ 42.00

Ace Properties (2020-24)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.2 hours @ \$105.00 per hour \$ 21.00
Subtotal, Ace Properties (2020-24) \$ 21.00

Element Apartments (2020-25)

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

Josh P. Phillips, Engineer/Scientist/Specialist II
0.2 hours @ \$105.00 per hour \$ 21.00
Subtotal, Element Apartments (2020-25)..... \$ 21.00

Van Heest (4930 Markay Ridge) Retaining Wall (2020-26)

Review plans and revised plans for work in Bassett Creek floodplain; prepare review memo for November Commission meeting and provide to administrator; prepare and send approval letter to city staff; and communications with city staff and applicant.

James P. Herbert, Principal Engineer/Scientist
2.7 hours @ \$200.00 per hour \$ 540.00
Karen L. Chandler, Principal Engineer/Scientist
0.3 hours @ \$180.00 per hour \$ 54.00
Jennifer Koehler, Engineer/Scientist/Specialist III
0.4 hours @ \$145.00 per hour \$ 58.00
Josh P. Phillips, Engineer/Scientist/Specialist II
3.1 hours @ \$105.00 per hour \$ 325.50
Technicians/Administrative \$ 45.00
Subtotal, Van Heest Retaining Wall (2020-26)..... \$ 1,022.50

1875 Kyle Pl. Shoreline Resto (2020-27)

Review plans and revised plans for work in Sweeney Lake floodplain; prepare review memo for November Commission meeting and provide to administrator; prepare and send approval letter to city staff; and communications with city staff and applicant.

James P. Herbert, Principal Engineer/Scientist
3.2 hours @ \$200.00 per hour \$ 640.00
Karen L. Chandler, Principal Engineer/Scientist
0.5 hours @ \$180.00 per hour \$ 90.00
Josh P. Phillips, Engineer/Scientist/Specialist II
6.8 hours @ \$105.00 per hour \$ 714.00
Technicians/Administrative \$ 45.00
Subtotal, 1875 Kyle Pl. Shoreline Resto (2020-27)..... \$ 1,489.00

Currie Commons (2020-28)

Review submittal for floodplain, erosion and sediment control, rate control and water quality; and prepare draft memo for December Commission meeting.

James P. Herbert, Principal Engineer/Scientist
0.9 hours @ \$200.00 per hour \$ 180.00
Josh P. Phillips, Engineer/Scientist/Specialist II
1.1 hours @ \$105.00 per hour \$ 115.50

Technicians/Administrative	\$	53.00
Expenses (Postage).....	\$	<u>.50</u>
<i>Subtotal, Currie Commons (2020-28)</i>	\$	349.00

Harbor Ln Drainage Impr (2020-29)

Review submittal for erosion and sediment control; prepare and send comment letter to city staff; review resubmittal for erosion and sediment control; prepare and send approval letter to city staff; and communications with city staff.

James P. Herbert, Principal Engineer/Scientist 2.6 hours @ \$200.00 per hour	\$	520.00
Josh P. Phillips, Engineer/Scientist/Specialist II 2.9 hours @ \$105.00 per hour	\$	304.50
Technicians/Administrative	\$	<u>40.00</u>
<i>Subtotal, Harbor Ln Drainage Impr (2020-29)</i>	\$	864.50

New Home - 10406 South Shore Dr (2020-30)

Review submittal for floodplain; prepare and send comment letter to city staff; review resubmittal; and prepare draft memo for December Commission meeting.

James P. Herbert, Principal Engineer/Scientist 4.6 hours @ \$200.00 per hour	\$	920.00
Josh P. Phillips, Engineer/Scientist/Specialist II 2.7 hours @ \$105.00 per hour	\$	283.50
Technicians/Administrative	\$	<u>50.00</u>
<i>Subtotal, New Home - 10406 South Shore Dr (2020-30)</i>	\$	1,253.50

***Subtotal Plat Review*** \$ **6542.00**

PRELIMINARY COMMUNICATIONS AND NON-FEE REVIEWS

PRELIMINARY COMMUNICATIONS

Preliminary site review and communications with city staff and applicant regarding Sandburg School project; communications with city staff regarding Tennant site and future BCWMC submittal; preliminary site review and communications with MPRB staff regarding MPRB/city project; communications with city staff regarding Irving Avenue diversion plan.

James P. Herbert, Principal Engineer/Scientist 2.7 hours @ \$200.00 per hour	\$	540.00
Josh P. Phillips, Engineer/Scientist/Specialist II 1.4 hours @ \$105.00 per hour	\$	<u>147.00</u>
<i>Subtotal, Preliminary Communications</i>	\$	687.00

NON-FEE REVIEWS

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

***Subtotal Preliminary Communications and Non-Fee Reviews*** \$ **687.00**

COMMISSION AND TAC MEETINGS

Attend November 18 Commission meeting (virtual).

James P. Herbert, Principal Engineer/Scientist 2.0 hours @ \$200.00 per hour	\$	400.00
Karen L. Chandler, Principal Engineer/Scientist 2.7 hours @ \$180.00 per hour	\$	486.00
Gregory Wilson, Engineer/Scientist/Specialist IV 1.5 hours @ \$170.00 per hour	\$	255.00
Subtotal, Commission and TAC Meetings	\$	1,141.00

SURVEYS & STUDIES

Medicine Lake Staff Gage

Coordination and communications with city staff, administrator and internal staff regarding installation of new staff gage.

James P. Herbert, Principal Engineer/Scientist 2.3 hours @ \$200.00 per hour	\$	460.00
Karen L. Chandler, Principal Engineer/Scientist 0.4 hours @ \$180.00 per hour	\$	72.00
Technicians/Administrative	\$	50.00
<i>Subtotal, Medicine Lake Staff Gage</i>	<i>\$</i>	<i>582.00</i>
Subtotal Surveys & Studies	\$	582.00

WATER QUALITY/MONITORING

Sweeney – Twin Lake Monitoring

Analyze zooplankton samples collected from the south basin of Sweeney Lake on July 13, August 3, August 17, and September 8; prepare spreadsheet of Barr EQUIS data for submittal to MPCA; and communications with internal staff regarding submittal to MPCA.

Margaret R. Rattei, Engineer/Scientist/Specialist III 11.7 hours @ \$140.00 per hour	\$	1,638.00
Technicians/Administrative	\$	135.00
<i>Subtotal, Sweeney-Twin Lake Monitoring</i>	<i>\$</i>	<i>1,773.00</i>

Medicine Lake Monitoring

Prepare phytoplankton and zooplankton samples for analysis; prepare data spreadsheet; and analyze phytoplankton and zooplankton samples collected from Medicine Lake on April 21, May 5, May 19, June 17, July 14, August 11, August 25, September 9, September 22 and October 14.

Margaret R. Rattei, Engineer/Scientist/Specialist III 41.5 hours @ \$140.00 per hour	\$	5,810.00
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Expenses (Courier).....	\$	<u>27.59</u>
<i>Subtotal, Medicine Lake Monitoring.....</i>	\$	<i>5,837.59</i>

Sweeney Branch Monitoring Year 1

Prepare standard operating procedure for monitoring station operation; prepare station to collect grab sample; collect November 12 storm sample; download and review data; and site visit to calibrate conductivity.

Chris Bonick, Engineer/Scientist/Specialist III 2.5 hours @ \$130.00 per hour	\$	325.00
Margaret R. Rattei, Engineer/Scientist/Specialist III 1.8 hours @ \$140.00 per hour	\$	252.00
Heather Hlavaty, Engineer/Scientist/Specialist II 2.5 hours @ \$110.00 per hour	\$	275.00
Technicians/Administrative	\$	100.00
Expenses (Verizon Wireless/mileage/2WD vehicle)	\$	<u>113.03</u>
<i>Subtotal, Sweeney Branch Monitoring Year 1.....</i>	\$	<i>1,065.03</i>

2020 Sweeney Branch Biotic Index Monitoring

Communications with administrator and internal staff regarding MPCA biological monitoring survey.

Karen L. Chandler, Principal Engineer/Scientist 0.8 hours @ \$180.00 per hour	\$	144.00
Margaret R. Rattei, Engineer/Scientist/Specialist III 0.8 hours @ \$140.00 per hour	\$	<u>112.00</u>
<i>Subtotal, Sweeney Branch Biotic Index Monitoring.....</i>	\$	<i>256.00</i>

Subtotal, Water Quality/Monitoring.....\$ 8,931.62

WATER QUANTITY

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

Technicians/Administrative	\$	400.00
Expenses (mileage/2WD vehicle).....	\$	<u>65.00</u>
<i>Subtotal, Water Quantity.....</i>	\$	<i>465.00</i>

ANNUAL FLOOD CONTROL PROJECT INSPECTIONS

Flood Control Project Inspection-Annual

Conduct annual inspection of flood control system features; upload project photos; and prepare inspection report memo.

Patrick Brockamp, Engineer/Scientist/Specialist II 9.3 hours @ \$115.00 per hour.....	\$	1,069.50
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Aaron Brown, Engineer/Scientist/Specialist I
 13.8 hours @ \$85.00 per hour \$ 1,173.00
 Expenses (camera/mileage)..... \$ 43.05
Subtotal, Flood Control Project Inspection-Annual..... \$ 2,285.55

Deep Tunnel Inspection

Prepare inspection report.

Joe Welna, Engineer/Scientist/Specialist III
 1.0 hours @ \$145.00 per hour \$ 145.00
Subtotal, Deep Tunnel Inspection \$ 145.00
***Subtotal, Annual Flood Control Project Inspections*..... \$ 2,430.55**

REVIEW MUNICIPAL PLANS

Mississippi WMO Plan Review

Review draft 2021-2031 Mississippi WMO plan for Old Bassett Creek Tunnel information; and provide comments to administrator for formal review letter.

Karen L. Chandler, Principal Engineer/Scientist
 1.1 hours @ \$180.00 per hour \$ 198.00
Subtotal, Mississippi WMO Plan Review \$ 198.00
***Subtotal, Review Municipal Plans*..... \$ 198.00**

TOTAL ENGINEERING \$ 28,447.17

ANNUAL REPORT

TOTAL ANNUAL REPORT \$ 0.00

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

WOMP Rating Curve

Perform November 9 flow measurement at WOMP station; download flow file; and send flow measurement information to MCES staff.

Chris Bonick, Engineer/Scientist/Specialist III
 4.0 hours @ \$130.00 per hour \$ 520.00
 Expenses (mileage/2WD vehicle)..... \$ 48.90

TOTAL WOMP \$ 568.90

APM/AIS WORK

TOTAL APM/AIS WORK..... \$ 0.00

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

BRYN MAWR MEADOWS WATER QUALITY IMPROVEMENT PROJECT (2020) (BC-5)

Review and edit administrator's draft memo for November Commission meeting regarding project

implementation options; communications with administrator and internal staff; and attend virtual meeting with administrator and Commission attorney regarding agreement and meeting follow-up, including providing information to Commission attorney.

Karen L. Chandler, Principal Engineer/Scientist 3.3 hours @ \$180.00 per hour.....	\$ 594.00
Michelle Kimble, Engineer/Scientist/Specialist III 1.7 hours @ \$ 145.00 per hour.....	\$ 246.50
Subtotal, Bryn Mawr Meadows WQ Imp Project (2020) (BC-5)...	840.50

SWEENEY LAKE WATER QUALITY IMPROVEMENT PROJECT (2020) (SL-8)

Engineer and Perform In-lake Alum Treatment

Communications with SOLitude and alum treatment oversight/water monitoring; coordinate demobilization with SOLitude, administrator, Golden Valley staff and Hidden Lakes HOA; review/verify chemical application records; prepare/coordinate Contractor payment request for action at November Commission meeting; and prepare project update information for Commission meeting.

Karen L. Chandler, Principal Engineer/Scientist 2.1 hours @ \$180.00 per hour.....	\$ 378.00
Gregory J. Wilson, Engineer/Scientist/Specialist IV 24.50 hours @ \$170.00 per hour.....	\$ 4,165.00
Kevin Menken, Engineer/Scientist/Specialist II 20.0 hours @ \$ 120.00 per hour.....	\$ 2,400.00
Edward Anderson, Engineer/Scientist/Specialist I 0.4 hours @ \$90.00 per hour.....	\$ 36.00
Technicians/Administrative.....	\$ 11.50
Expenses (mileage/4WD vehicle/water quality meter/boat & trailer/Quest Credit).....	\$ 653.38
<i>Subtotal, Engineer and Perform In-lake Alum Treatment.....</i>	<i>\$ 7,643.88</i>

Carp Control Options Design-Permit-Implement

Communications with Carp Solutions regarding results of carp survey and carp control efforts at Schaper Pond and Sweeney Lake; and review preliminary reporting.

Karen L. Chandler, Principal Engineer/Scientist 0.5 hours @ \$180.00 per hour.....	\$ 90.00
Gregory J. Wilson, Engineer/Scientist/Specialist IV 3.6 hours @ \$170.00 per hour.....	\$ 612.00
<i>Subtotal, Carp Control Options Design-Permit-Implement.....</i>	<i>\$ 702.00</i>

Carp Control Options Design-Permit-Implement (Carp Solutions Only)

Subcontractor (Carp Solutions) charges to publish preliminary fish survey and carp capture results, continue monitoring of PIT tags and communicate with Barr.

Subcontractor (Carp Solutions).....	\$	<u>6,277.00</u>
<i>Subtotal, Carp Control Options Design-Permit-Implement(Carp Solutions Only).....</i>		
	\$	6,277.00
<i>Subtotal, Sweeney Lake Water Quality Improvement Project (2020) (SL-8)</i>		
	\$	14,622.88

MAIN STEM DREDGING PROJECT (2021) (BC-7)

Review and edit administrator's draft memo for November Commission meeting regarding project implementation options; communications with administrator and internal staff regarding implementation approach and project schedule; virtual meeting with administrator to discuss preferred implementation option; review administrator's final draft memo regarding implementation; and communications with Hennepin County staff regarding ERF grant, RAP and MPCA involvement.

James P. Herbert, Principal Engineer/Scientist 1.6 hours @ \$200.00 per hour	\$	320.00
Karen L. Chandler, Principal Engineer/Scientist 4.0 hours @ \$180.00 per hour.....	\$	720.00
Jennifer Brekken, Engineer/Scientist/Specialist IV 0.7 hours @ \$160.00 per hour	\$	112.00
Patrick Brockamp, Engineer/Scientist/Specialist II 2.5 hours @ \$ 115.00 per hour.....	\$	<u>287.50</u>
<i>Subtotal, Main Stem Dredging Project (2021) (BC-7).....</i>		\$ 1,439.50

DeCola Ponds - SEA School/Wildwood Park Flood Storage Project Feasibility Study (2022) (BC-2, 3, 8, 10)
 Download environmental files from the MPCA for desktop review; perform MnRAM assessment; develop draft wetland delineation report; prepare draft joint permit application for wetland delineation report approval; review cultural resource data from SHPO and prepare summary for feasibility report; review biological resource and threatened and endangered species database and prepare summary for feasibility report; develop CAD/Civil 3D base map for concept development; and topographic, utility, and tree survey subcontractor charges (Egan Field and Nowak).

Karen L. Chandler, Principal Engineer/Scientist 1.2 hours @ \$180.00 per hour	\$	216.00
Jennifer Brekken, Engineer/Scientist/Specialist IV 3.1 hours @ \$160.00 per hour	\$	496.00
Jennifer Koehler, Engineer/Scientist/Specialist III 5.6 hours @ \$145.00 per hour	\$	812.00
Katelyn Turpin-Nagel, Engineer/Scientist/Specialist II 5.9 hours @ \$110.00 per hour	\$	649.00
Tyler Conley, Engineer/Scientist/Specialist I 0.7 hours @ \$ 85.00 per hour	\$	59.50
Alec Bateman, Engineer/Scientist/Specialist I 8.2 hours @ \$ 90.00 per hour	\$	738.00

Technicians/Administrative	\$	50.00
Subconsultant (Egan Field & Nowak Inc.)	\$	<u>7,500.00</u>
Subtotal, DeCola Ponds - SEA School/Wildwood Park Flood Storage Project Feasibility Study (2022) (BC-2, 3, 8, 10)		
	\$	10,520.50

Medley Park Stormwater Treatment Facility Feasibility Study (2022) (ML-12)

Prepare for agency meeting, including preparing agenda and presentation; host agency meeting with administrator, Golden Valley staff, USACE staff, and MPCA staff; communications with internal staff regarding field investigations' reporting; complete environmental desktop review; Public Engagement #1: coordinate with Golden Valley staff regarding video/survey development; edit existing conditions XPSWMM and P8 models; check flood mitigation volume using XPSWMM model; topographic, utility, and tree survey subcontractor charges (Egan Field and Nowak); and sediment sampling subcontractor charges (Pace Analytical).

Karen L. Chandler, Principal Engineer/Scientist 2.7 hours @ \$180.00 per hour	\$	486.00
Jennifer Brekken, Engineer/Scientist/Specialist IV 1.1 hours @ \$160.00 per hour	\$	176.00
Jennifer Koehler, Engineer/Scientist/Specialist III 0.8 hours @ \$145.00 per hour	\$	116.00
Shanna Braun, Engineer/Scientist/Specialist III 2.0 hours @ \$145.00 per hour	\$	290.00
Terri Olson, Engineer/Scientist/Specialist III 0.1 hours @ \$145.00 per hour	\$	14.50
John Juntilla, Engineer/Scientist/Specialist III 1.0 hours @ \$125.00 per hour	\$	125.00
Katelyn Turpin-Nagel, Engineer/Scientist/Specialist II 10.7 hours @ \$110.00 per hour	\$	1,177.00
Tyler Olsen, Engineer/Scientist/Specialist II 10.7 hours @ \$110.00 per hour	\$	1,177.00
Tyler Conley, Engineer/Scientist/Specialist I 21.4 hours @ \$ 85.00 per hour	\$	2,033.00
Alec Bateman, Engineer/Scientist/Specialist I 7.3 hours @ \$ 90.00 per hour	\$	657.00
Edward Anderson, Engineer/Scientist/Specialist I 0.7 hours @ \$ 90.00 per hour	\$	63.00
Technicians/Administrative	\$	172.00
Subconsultant (Pace Analytical/Egan Field & Nowak Inc.)	\$	<u>5,077.00</u>
Subtotal, Medley Park Stormwater Treatment Facility Feasibility Study (2022)(ML-12)		
	\$	10,607.50

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 38,030.88

TMDL WORK

TOTAL TMDL WORK\$ 0.00

IMPROVED FEMA FLOODPLAIN MODELING & MAPPING (MDNR)

IMPROVED FEMA FLOODPLAIN MODELING & MAPPING (MDNR)

Floodplain, Floodway, Cross-Section Shapefiles

Review notes regarding Zone A/AE modifications; communications with MDNR staff regarding audit and project timeline and Zone A/AE issues; and develop final floodplain mapping deliverables.

Karen L. Chandler, Principal Engineer/Scientist
 0.7 hours @ \$180.00 per hour\$ 126.00

Jennifer A. Koehler, Engineer/Scientist/Specialist III
 5.8 hours @ \$145.00 per hour\$ 841.00

Joshua Vosejka, Engineer/Scientist/Specialist I
 12.7 hours @ \$90.00 per hour\$ 1,143.00

Subtotal, Floodplain, Floodway, Cross-Section Shapefiles\$ 2,110.00

TOTAL IMPROVED FEMA FLOODPLAIN MODELING & MAPPING (MDNR).....\$ 2,110.00

SUMMARY TOTALS

Total Engineering\$ 28,447.17

Total WOMP.....\$ 568.90

Total Annual Report.....\$ 0.00

Total APM/AIS Work.....\$ 0.00

Total TMDL Work\$ 0.00

Total Capital Improvement Projects (Tax Levy).....\$ 38,030.88

Total Improved FEMA Floodplain Modeling & Mapping (MDNR).....\$ 2,110.00

TOTAL PAYABLE.....\$ 69,156.95

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 Herber