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engineering and environmental consultants

Mr. Jim de Lambert
Bassett Creek Watershed Management Commission
7800 Golden Valley Road
Golden Valley, MN 55427

Page # 1
Invoice # 23270051-2018-5
Project # 23/27-0051
Client # 59
July 6, 2018

Invoice of Account with
BARR ENGINEERING COMPANY

For professional services during the period of
June 2, 2018 through June 29, 2018

ENGINEERING

TECHNICAL SERVICES

Communications with Golden Valley staff regarding 10-year flood elevations at Golden Valley Road and backed-up water resulting from construction; communications with MPRB staff, Golden Valley staff, and administrator regarding Wirth Lake outlet O&M manual; communications with administrator regarding BCWMC 50th anniversary booklet, appropriate fund for FEMA project, August meeting packet assistance, recognition of TAC member retirements, and LWMP review/approval requirements; review Hennepin County 2040 comprehensive plan and communications with administrator regarding review; update tracking table for linear projects since change in BCWMC requirements; internal discussion regarding stormwater infiltration and groundwater contamination, and BCWMC requirements; communications with administrator and MWMO staff regarding BCWMC review of local water management plans and official controls.

| | | |
|---|-----------|-----------------|
| James P. Herbert, Principal Engineer/Scientist | | |
| 0.6 hours @ \$190.00 per hour | \$ | 114.00 |
| Karen L. Chandler, Principal Engineer/Scientist | | |
| 13.4 hours @ \$175.00 per hour | \$ | 2,345.00 |
| Gregory J. Wilson, Consultant/Advisor | | |
| 1.0 hours @ \$160.00 per hour | \$ | 160.00 |
| Josh P. Phillips, Engineer/Scientist/Specialist I | | |
| 3.0 hours @ \$85.00 per hour | \$ | 255.00 |
| Technicians/Administrative..... | \$ | 52.50 |
| <i>Subtotal, Technical Services.....</i> | <i>\$</i> | <i>2,926.50</i> |

MONTHLY MEETING PREPARATION

Communications/coordination with administrator regarding draft/final agenda and meeting packet for June Commission meeting; review/edit draft May meeting minutes; prepare memo regarding potential tunnel tour for June Commission meeting packet; communications with administrator regarding linear projects information for potential addition to June meeting agenda, and local water

management plan review process; prepare for June Commission meeting, including setting up and attending pre-meeting conference call with Chair de Lambert and administrator; and communications with administrator and internal staff regarding follow-up items from June Commission meeting and upcoming meeting agenda items.

| | |
|---|--------------------|
| James P. Herbert, Principal Engineer/Scientist 7.3 hours @ \$190.00 per hour | \$ 1,387.00 |
| Karen L. Chandler, Principal Engineer/Scientist 24.5 hours @ \$175.00 per hour | \$ 4,287.50 |
| Jennifer A. Koehler, Engineer/Scientist/Specialist III 0.3 hours @ \$140.00 per hour | \$ 42.00 |
| Technicians/Administrative..... | \$ 500.00 |
| <i>Subtotal, Monthly Meeting Preparation.....</i> | <i>\$ 6,216.50</i> |

CIP PRIORITIZATION PROCESS

Prepare for and attend June 7 CIP Prioritization Committee meeting, including update and review of draft maps showing gatekeeper criteria and hot spots; communications with administrator regarding next committee meeting; review Plymouth land use map and follow-up communications with Plymouth staff.

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|--|----------------------------|
| Karen L. Chandler, Principal Engineer/Scientist 5.5 hours @ \$175.00 per hour | \$ 962.50 |
| Gregory J. Wilson, Consultant/Advisor 0.5 hours @ \$160.00 per hour | \$ 80.00 |
| Sterling 'Greg' Williams, Engineer/Scientist/Specialist III 5.5 hours @ \$135.00 per hour | \$ 742.50 |
| Megan R. Quinlan, Engineer/Scientist/Specialist I 3.3 hours @ \$70.00 per hour | \$ 231.00 |
| <i>Subtotal, CIP Prioritization Process.....</i> | <i>\$ 2,016.00</i> |
| <i>Subtotal Technical Services</i> | <i>\$ 11,159.00</i> |

PLAT REVIEW

10th Avenue N Culvert Replacement (2017-12)

Project closeout/filing.

| | |
|---|-----------------|
| Josh P. Phillips, Engineer/Scientist/Specialist I 0.5 hours @ \$85.00 per hour | \$ 42.50 |
| <i>Subtotal, 10th Ave N Culvert Replacement.....</i> | <i>\$ 42.50</i> |

Golden Valley 2018 PMP (2018-04)

Project closeout/filing.

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|---|------------------|
| Josh P. Phillips, Engineer/Scientist/Specialist I 1.8 hours @ \$85.00 per hour | \$ 153.00 |
| <i>Subtotal, Golden Valley 2018 PMP</i> | <i>\$ 153.00</i> |

CenterPoint Energy 2018 MBLC (2018-09)

Review revised grading, drainage and erosion control plans; prepare and send approval letter to city staff; and review MnDNR permit.

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|--|------------------|
| James P. Herbert, Principal Engineer/Scientist 1.4 hours @ \$190.00 per hour | \$ 266.00 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 1.2 hours @ \$85.00 per hour..... | \$ <u>102.00</u> |
| <i>Subtotal, CenterPoint Energy 2018 MBLC</i> | <i>\$ 368.00</i> |

Bassett Creek Park Playground (2018-12)

Project closeout/filing.

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|--|-----------------|
| Josh P. Phillips, Engineer/Scientist/Specialist I 0.4 hours @ \$85.00 per hour..... | \$ 34.00 |
| Technicians/Administrative..... | \$ <u>7.50</u> |
| <i>Subtotal, Bassett Creek Park Playground</i> | <i>\$ 41.50</i> |

Vicksburg Business Center Parking (2018-13)

Review grading, drainage and erosion control plans; prepare and send approval/comment letter to city staff; review revised grading, drainage and erosion control plans; and prepare and send approval letter to city staff.

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|--|------------------|
| James P. Herbert, Principal Engineer/Scientist 1.4 hours @ \$190.00 per hour | \$ 266.00 |
| Karen L. Chandler, Principal Engineer/Scientist 0.1 hours @ \$175.00 per hour | \$ 17.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 6.3 hours @ \$85.00 per hour..... | \$ <u>535.50</u> |
| <i>Subtotal, Vicksburg Business Center Parking</i> | <i>\$ 819.00</i> |

Meadowbrook Elementary NW Addition (2018-14)

Review grading, drainage and erosion control plans; prepare and send approval/comment letter to city staff; review revised grading, drainage and erosion control plans; and prepare and send approval letter to city staff.

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|--|-----------|
| James P. Herbert, Principal Engineer/Scientist 0.9 hours @ \$190.00 per hour | \$ 171.00 |
| Karen L. Chandler, Principal Engineer/Scientist 0.1 hours @ \$175.00 per hour | \$ 17.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 4.2 hours @ \$85.00 per hour..... | \$ 357.00 |

| | | |
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| Technicians/Administrative..... | \$ | 39.00 |
| <i>Subtotal, Meadowbrook Elementary NW Addition.....</i> | \$ | 584.50 |

TH 55 West Improvements (2018-15)

Review grading, drainage and erosion control plans; and prepare and send approval letter to city staff.

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|--|----|--------|
| James P. Herbert, Principal Engineer/Scientist 0.9 hours @ \$190.00 per hour | \$ | 171.00 |
| Karen L. Chandler, Principal Engineer/Scientist 0.1 hours @ \$175.00 per hour | \$ | 17.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 2.4 hours @ \$85.00 per hour..... | \$ | 204.00 |
| Technicians/Administrative..... | \$ | 7.50 |
| <i>Subtotal, TH 55 West Improvements.....</i> | \$ | 400.00 |

Ridgedale Active Adults Apartments (2018-16)

Preliminary review and communications with applicant.

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|--|----|--------|
| James P. Herbert, Principal Engineer/Scientist 0.4 hours @ \$190.00 per hour | \$ | 76.00 |
| Karen L. Chandler, Principal Engineer/Scientist 0.1 hours @ \$175.00 per hour | \$ | 17.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 1.3 hours @ \$85.00 per hour..... | \$ | 110.50 |
| Technicians/Administrative..... | \$ | 26.00 |
| <i>Subtotal, Ridgedale Active Adults Apartments.....</i> | \$ | 230.00 |

Mister Car Wash Parking Reconfiguration (2018-17)

Review grading, drainage and erosion control plans; prepare and send approval/comment letter to city staff; review revised grading, drainage and erosion control plans; and prepare and send approval letter to city staff.

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|--|----|--------|
| James P. Herbert, Principal Engineer/Scientist 1.7 hours @ \$190.00 per hour | \$ | 323.00 |
| Karen L. Chandler, Principal Engineer/Scientist 0.1 hours @ \$175.00 per hour | \$ | 17.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 2.4 hours @ \$85.00 per hour..... | \$ | 204.00 |
| Technicians/Administrative..... | \$ | 19.50 |
| <i>Subtotal, Mister Car Wash Parking Reconfiguration.....</i> | \$ | 564.00 |

MBLC Golden Valley Road (2018-18)

Review grading, drainage and erosion control plans; and prepare and send approval letter to city staff.

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|--|------------------|
| James P. Herbert, Principal Engineer/Scientist 1.1 hours @ \$190.00 per hour | \$ 209.00 |
| Karen L. Chandler, Principal Engineer/Scientist 0.1 hours @ \$175.00 per hour | \$ 17.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 2.4 hours @ \$85.00 per hour..... | \$ <u>204.00</u> |
| <i>Subtotal, MBLC Golden Valley Road.....</i> | <i>\$ 430.50</i> |

Plymouth Commons Apartments (2018-19)

Plat review setup and initial review.

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|--|-----------------|
| Josh P. Phillips, Engineer/Scientist/Specialist I 0.1 hours @ \$85.00 per hour..... | \$ 8.50 |
| Technicians/Administrative..... | \$ 47.50 |
| Expenses (Postage) | \$ <u>0.47</u> |
| <i>Subtotal, Plymouth Commons Apartments.....</i> | <i>\$ 56.47</i> |

Subtotal Plat Review.....\$ 3,689.47

PRELIMINARY COMMUNICATIONS AND NON-FEE REVIEWS

PRELIMINARY COMMUNICATIONS

Communications with MnDOT consultant and internal staff regarding pond dredging plan; prepare for and attend meeting with Minneapolis staff, administrator, Commissioner Welch, and city consultants regarding feasibility study/development plans for Bassett Creek lower valley; and internal meeting/review of construction dewatering plans/MDNR groundwater permits.

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| James P. Herbert, Principal Engineer/Scientist 6.5 hours @ \$190.00 per hour | \$ 1,235.00 |
| Karen L. Chandler, Principal Engineer/Scientist 2.6 hours @ \$175.00 per hour | \$ 455.00 |
| John C. Greer, Consultant-Advisor 0.5 hours @ \$185.00 per hour | \$ 92.50 |
| Josh P. Phillips, Engineer/Scientist/Specialist I 0.3 hours @ \$85.00 per hour..... | \$ 25.50 |
| Technicians/Administrative..... | \$ <u>47.50</u> |
| <i>Subtotal, Preliminary Communications.....</i> | <i>\$ 1,855.50</i> |

NON-FEE REVIEWS

BLUE LINE LRT WCA LGU ADMIN

Golden Valley

Communications with TEP; prepare WCA Notice of Decision form and submit to LGU; and compile documentation and submit Notice of Decision.

Karen S. Wold, Engineer/Scientist/Specialist III
2.3 hours @ \$125.00 per hour \$ 287.50
Subtotal, Golden Valley..... \$ 287.50

Minneapolis

Communications with TEP; prepare WCA Notice of Decision form and submit to LGU; and compile documentation and submit Notice of Decision.

Karen S. Wold, Engineer/Scientist/Specialist III
2.3 hours @ \$125.00 per hour \$ 287.50
Subtotal, Minneapolis..... \$ 287.50

Robbinsdale

Communications with TEP; prepare WCA Notice of Decision form; communications with administrator; prepare materials for June Commission meeting regarding Notice of Decision; and compile documentation and submit Notice of Decision.

Karen L. Chandler, Principal Engineer/Scientist
5.7 hours @ \$175.00 per hour \$ 997.50
Karen S. Wold, Engineer/Scientist/Specialist III
3.3 hours @ \$125.00 per hour \$ 412.50
Subtotal, Robbinsdale..... \$ 1,410.00
Subtotal Blue Line LRT WCA LGU Admin..... \$ 1,985.00

***Subtotal Non-Fee Reviews* \$ 1,985.00**

***Subtotal Preliminary Communications and Non-Fee Reviews* \$ 3,840.50**

COMMISSION AND TAC MEETINGS

Attend June 21 Commission meeting.

James P. Herbert, Principal Engineer/Scientist
2.2 hours @ \$190.00 per hour \$ 418.00
Karen L. Chandler, Principal Engineer/Scientist
4.0 hours @ \$175.00 per hour \$ 700.00
Expenses (Mileage) \$ 15.26

***Subtotal, Commission and TAC Meetings*..... \$ 1,133.26**

SURVEYS & STUDIES

Subtotal Surveys & Studies.....\$ 0.00

WATER QUALITY/MONITORING

Sweeney Lake Aeration Study

Run three-dimensional lake water quality model to reflect alum treatment under aeration and non-aeration scenarios.

Gregory J. Wilson, Consultant/Advisor
1.5 hours @ \$160.00 per hour..... \$ 240.00

Keith M. Pilgrim, Consultant/Advisor
11.0 hours @ \$160.00 per hour..... \$ 1,760.00

Subtotal, Sweeney Lake Aeration Study..... \$ 2,000.00

General Water Quality Tasks

Communications with administrator and internal staff regarding TRPD's draft report on internal phosphorus loading to Medicine Lake; update 2017 water quality figures/graphs; review Northwood Lake 2017 data and communications with administrator and internal staff regarding August chlorophyll value; and follow-up communications with MAISRC staff regarding Medicine Lake zebra mussels.

Karen L. Chandler, Principal Engineer/Scientist
1.4 hours @ \$175.00 per hour..... \$ 245.00

Gregory J. Wilson, Consultant/Advisor
1.0 hours @ \$160.00 per hour..... \$ 160.00

Sterling 'Greg' Williams, Engineer/Scientist/Specialist III
0.8 hours @ \$135.00 per hour..... \$ 108.00

Margaret R. Rattei, Engineer/Scientist/Specialist III
1.2 hours @ \$135.00 per hour..... \$ 162.00

Tyler A. Olsen, Engineer/Scientist/Specialist I
5.3 hours @ \$80.00 per hour..... \$ 424.00

Subtotal, General Water Quality Tasks..... \$ 1,099.00

Routine Lake Monitoring - Parkers and Westwood Lakes

Coordinate with Westwood Nature Center staff regarding June sampling of Westwood Lake, including equipment preparation; analysis of Parkers Lake May and June phytoplankton samples; review lab reports, revised lab reports and invoices; and internal communications regarding Westwood Lake data results.

Henry M. Runke, Principal Engineer/Scientist
1.2 hours @ \$175.00 per hour..... \$ 210.00

Margaret R. Rattei, Engineer/Scientist/Specialist III
5.8 hours @ \$135.00 per hour..... \$ 783.00

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|--|-----------|-----------------|
| Terri A. Olson, Engineer/Scientist/Specialist III 0.9 hours @ \$135.00 per hour | \$ | 121.50 |
| Technicians/Administrative..... | \$ | 353.00 |
| Expenses (Quicksilver Express/2WD vehicle/mileage WQ meter) | \$ | <u>192.67</u> |
| <i>Subtotal, Routine Lake Monitoring – Parkers and Westwood</i> | <i>\$</i> | <i>1,660.17</i> |

Stream Water Quality/Quantity Monitoring - North Branch

Site visit to complete initial autosampler test; set sampler for storm events; develop rating curve; edit datalogger program – add rating curve/flow, temperature data storage, and sampling routine; wire sampler to datalogger; program sampler and test; collect grab sample and perform flow measurement; prepare slides showing monitoring site information and provide to administrator and Crystal staff; and troubleshoot connection at monitoring station.

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|--|------------------|------------------------|
| Karen L. Chandler, Principal Engineer/Scientist 1.5 hours @ \$175.00 per hour | \$ | 262.50 |
| Christopher J. Bonick, Engineer/Scientist/Specialist III 18.5 hours @ \$125.00 per hour | \$ | 2,312.50 |
| Heather N. Hlavaty, Engineer/Scientist/Specialist II 5.2 hours @ \$95.00 per hour | \$ | 494.00 |
| Joshua R. Vosejpk, Engineer/Scientist/Specialist I 1.0 hours @ \$80.00 per hour..... | \$ | 80.00 |
| Technicians/Administrative..... | \$ | 366.00 |
| Expenses (Verizon Wireless/2WD vehicle/mileage/ turbidimeter/camera)..... | \$ | <u>335.75</u> |
| <i>Subtotal, North Branch Stream Water Quality/Quantity Monitor...</i> | <i>\$</i> | <i>3,850.75</i> |
| <i>Subtotal, Water Quality/Monitoring.....</i> | <i>\$</i> | <i>8,609.92</i> |

WATER QUANTITY

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

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|---|------------------|----------------------|
| Technicians/Administrative..... | \$ | 380.00 |
| Expenses (Mileage) | \$ | <u>57.89</u> |
| <i>Subtotal, Water Quantity.....</i> | <i>\$</i> | <i>437.89</i> |

FLOOD CONTROL PROJECT INSPECTION+DEEP TUNNEL

Coordinate with Minneapolis staff and internal staff regarding 2018 tunnel inspection.

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|---|------------------|----------------------|
| James P. Herbert, Principal Engineer/Scientist 1.5 hours @ \$190.00 per hour | \$ | <u>285.00</u> |
| <i>Subtotal, Flood Control Proj Inspect+Deep Tunnel.....</i> | <i>\$</i> | <i>285.00</i> |

MUNICIPAL PLAN REVIEWS

General

Communications with Medicine Lake consultant regarding city's local water management plan; follow-up communications with Medicine Lake consultant and administrator; and communications with administrator regarding review of Crystal local water management plan.

Karen L. Chandler, Principal Engineer/Scientist
 0.9 hours @ \$175.00 per hour \$ 157.50
Subtotal, Municipal Plan Review \$ 157.50

Minneapolis WRMP Review

Review city responses and plan revisions in response to BCWMC preliminary comments.

Karen L. Chandler, Principal Engineer/Scientist
 1.4 hours @ \$175.00 per hour \$ 245.00
Subtotal, Minneapolis WRMP Review \$ 245.00
***Subtotal, Municipal Plan Reviews* \$ 402.50**

XP-SWMM MODEL UPDATES-REVIEWS

Update and run XP-SWMM model updates; re-run calibration models; validate model; perform QA/QC of model updates; internal meeting; and plot validation results.

Ross S. Mullen, Engineer/Scientist/Specialist II
 18.5 hours @ \$100.00 per hour \$ 1,850.00
 Lulu Fang, Engineer/Scientist/Specialist I
 23.4 hours @ \$90.00 per hour \$ 2,106.00
***Subtotal, XP-SWMM Model Updates-Reviews* \$ 3,956.00**
TOTAL ENGINEERING \$ 33,513.54

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|----------------------|
| ANNUAL REPORT |
|----------------------|

TOTAL ANNUAL REPORT \$ 0.00

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|------------------------------|
| PUBLIC COMMUNICATIONS |
|------------------------------|

TOTAL PUBLIC COMMUNICATIONS \$ 0.00

| |
|----------------|
| WEBSITE |
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TOTAL WEBSITE \$ 0.00

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

WATERSHED OUTLET MONITORING PROGRAM (WOMP)

Conduct flow measurement at WOMP station for rating curve, and send data to MCES staff.

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|--|-----------|---------------|
| Christopher J. Bonick, Engineer/Scientist/Specialist III | | |
| 3.5 hours @ \$125.00 per hour | \$ | 437.50 |
| Expenses (Mileage/Sontek)..... | \$ | 106.08 |
| <i>Subtotal, Watershed Outlet Monitoring Program</i> | \$ | 543.58 |
| TOTAL WOMP | \$ | 543.58 |

CAPITAL IMPROVEMENT PROJECTS (Funded through tax levy)

WESTWOOD LAKE WATER QUALITY IMPROVEMENT PROJECT FEASIBILITY STUDY

Provide CAD files from feasibility study to St. Louis Park consultant; and meeting with administrator regarding BCWMC CIP project schedule and funding.

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|--|-----------|---------------|
| Karen L. Chandler, Principal Engineer/Scientist | | |
| 1.2 hours @ \$175.00 per hour | \$ | 210.00 |
| Michelle A. Kimble, Engineer/Scientist/Specialist III | | |
| 0.5 hours @ \$130.00 per hour | \$ | 65.00 |
| Josh P. Phillips, Engineer/Scientist/Specialist I | | |
| 1.9 hours @ \$85.00 per hour | \$ | 161.50 |
| <i>Subtotal, Westwood Lake WQ Feasibility Study</i> | \$ | 436.50 |

BRYN MAWR MEADOWS WATER QUALITY IMPROVEMENT PROJECT FEASIBILITY STUDY (2019) (BC-5)

Review MPRB's preferred master plan concept for Bryn Mawr Meadows Park and compare to previous comments; review options for splitting flows in the existing storm sewer and treating the flows in the park; further define areas tributary to storm sewer that could be split and treated in the park; and provide comments to MPRB staff.

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|--|-----------|-----------------|
| Kurt A. Leuthold, Principal Engineer/Scientist | | |
| 3.2 hours @ \$180.00 per hour | \$ | 576.00 |
| Michelle A. Kimble, Engineer/Scientist/Specialist III | | |
| 7.8 hours @ \$130.00 per hour | \$ | 1,014.00 |
| Josh P. Phillips, Engineer/Scientist/Specialist I | | |
| 0.7 hours @ \$85.00 per hour..... | \$ | 59.50 |
| Expenses (Color plotter) | \$ | 20.00 |
| <i>Subtotal, Bryn Mawr Meadows Feasibility Study.....</i> | \$ | 1,669.50 |

SCHAPER POND 2018 MONITORING AND REPORTING (SL-3)

Collect water quality samples on two dates; process data; review lab report; analyze data; communications with carp survey subconsultant; communications with administrator and Golden Valley staff regarding carp monitoring results; and communications with administrator regarding next steps for carp.

| | |
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| Henry M. Runke, Principal Engineer/Scientist 0.5 hours @ \$175.00 per hour | \$ 87.50 |
| Gregory J. Wilson, Consultant/Advisor 4.8 hours @ \$160.00 per hour | \$ 768.00 |
| Heather N. Hlavaty, Engineer/Scientist/Specialist I 9.5 hours @ \$95.00 per hour | \$ 902.50 |
| Technicians/Administrative..... | \$ 731.00 |
| Expenses (Mileage/2WD vehicle/RTK GPS Survey) | <u>\$ 919.35</u> |
| Subtotal, Schaper Pond 2018 Monitoring and Reporting..... | \$ 3,408.35 |

TOTAL CAPITAL IMPROVEMENTS PROJECTS (Tax Levy)\$ 5,514.35

TMDL WORK

TMDL IMPLEMENTATION REPORTING

Review model update data provided by cities.

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|--|-----------------|
| Gregory J. Wilson, Consultant/Advisor 0.5 hours @ \$160.00 per hour | \$ 80.00 |
| <i>Subtotal, TMDL Implementation Reporting</i> | <i>\$ 80.00</i> |
| TOTAL TMDL WORK..... | \$ 80.00 |

IMPROVED FEMA FLOODPLAIN MODELING & MAPPING (MDNR)

IMPROVED FEMA FLOODPLAIN MODELING & MAPPING (MDNR)

Define boundary conditions for the model for the 0.2%, 2%, 4%, and 10%-annual-chance-events; and prepare memo of hydrology narrative, model updates, and summary of QA/QC documentation for submittal to MnDNR.

| | |
|---|-----------|
| Karen L. Chandler, Principal Engineer/Scientist 1.0 hours @ \$175.00 per hour | \$ 175.00 |
| Scott A. Sobiech, Principal Engineer/Scientist 0.5 hours @ \$170.00 per hour | \$ 85.00 |
| Jennifer A. Koehler, Engineer/Scientist/Specialist III 1.7 hours @ \$140.00 per hour | \$ 238.00 |

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|---|--------------------|
| Ross S. Mullen, Engineer/Scientist/Specialist II 14.2 hours @ \$100.00 per hour | \$ 1,420.00 |
| Katelyn Turpin-Nagel, Engineer/Scientist/Specialist II 0.3 hours @ \$95.00 per hour..... | \$ 28.50 |
| Lulu Fang, Engineer/Scientist/Specialist I 10.3 hours @ \$90.00 per hour | \$ 927.00 |
| Technicians/Administrative..... | \$ <u>386.50</u> |
| <i>Subtotal, Improved FEMA Floodplain Modeling & Mapping</i> | |
| <i>(MDNR).....</i> | \$ 3,260.00 |
| TOTAL IMPROVED FEMA FLOODPLAIN MODELING & MAPPING (MDNR)..... | \$ 3,260.00 |

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| SUMMARY TOTALS |
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|--|---------------------------|
| Total Engineering | \$ 33,513.54 |
| Total Annual Report/Website/Public Communications | \$ 0.00 |
| Total WOMP..... | \$ 543.58 |
| Total TMDL Work | \$ 80.00 |
| Total Capital Improvement Projects (Tax Levy)..... | \$ 5,514.35 |
| Total Improved FEMA Floodplain Modeling & Mapping (MDNR)..... | \$ <u>3,260.00</u> |
| TOTAL PAYABLE..... | \$ 42,911.47 |

Barr declares under the penalties of law that this account, claim or demand is just and that no part of it has been paid.

