

EIGHT AND ONE-HALF MILE RELIEF DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
JUNE 13, 2022  
10:15 A.M.  
AGENDA

**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE  
OPTION FOR PUBLIC**

**Call in Number: 1-650-933-5481  
Access Code: 688 366 906**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for June 13, 2022	
3. Approval of Minutes for May 9, 2022	4
4. Public Participation	
5. Project & Operational Updates – Vince Astorino	8
6. 8 ½ Mile Petitioned Improvements - 9 Mile Pump Station – Approval of updated Project Plans, Design, and Estimated Costs – Brian Baker/Vince Astorino	11
Motion: To approve the updated plans, specifications and estimated costs for the 9 Mile Pump Station Improvements	
7. SCADA Server Upgrades Recommendation – Vince Astorino	24
Motion: To approve the purchase and installation of new SCADA servers from Access Interactive for \$200,776 (8.5 Mile share \$64,750)	

8. 2023 Interceptor Inspection Program – Engineering Services – Vince Astorino 43

Motion: To approve the proposal from NTH Consultants for a not to exceed amount of \$81,507 to prepare bids and administer the work associated with the 2023 Interceptor Inspection Program within the 8.5 Mile Relief Drain.

9. Consideration for approval of invoices (see attached) 49

10. Financial Report – Bruce Manning 195

11. Adjourn

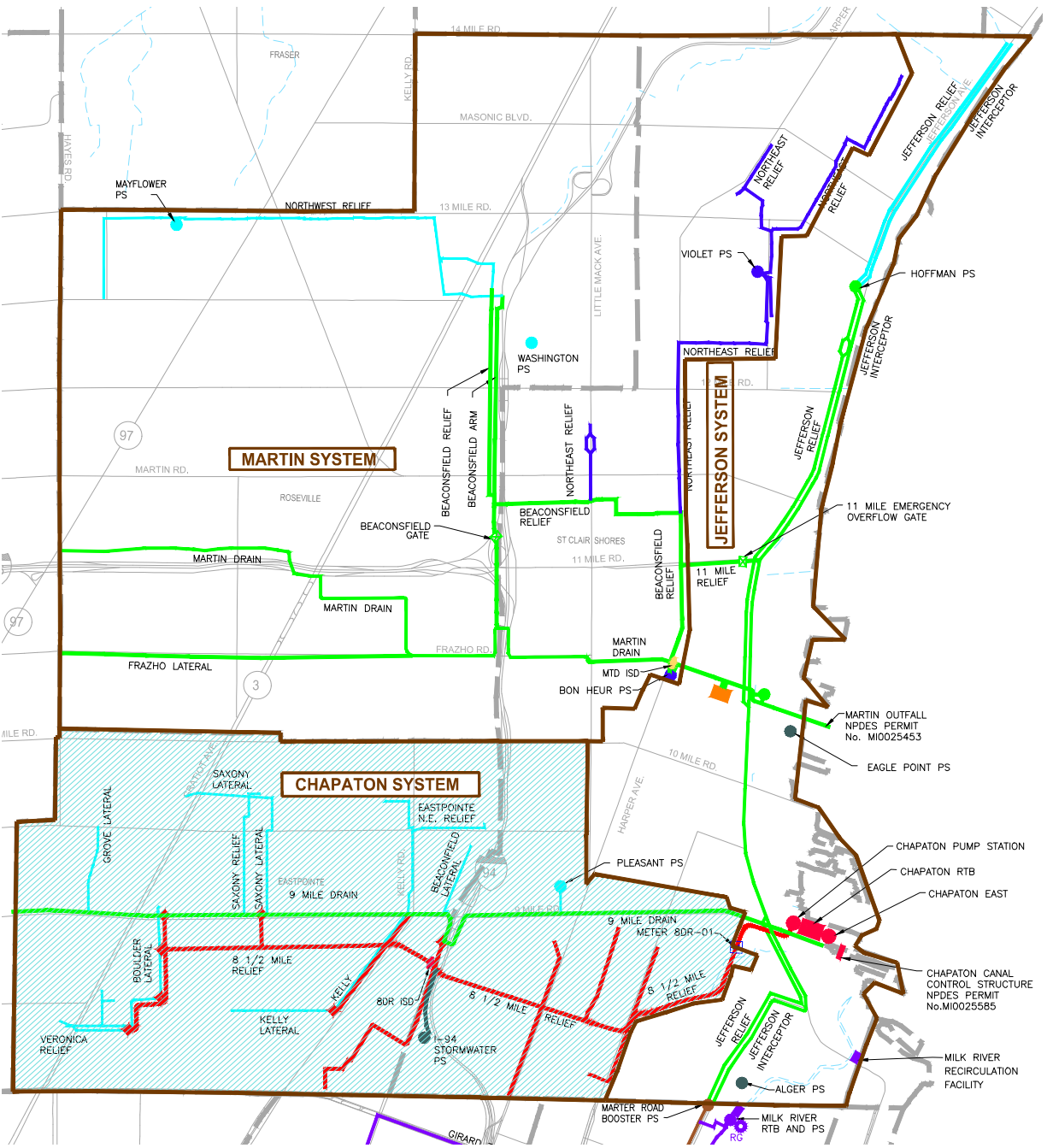


Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

# CHAPATON SYSTEM MAP

Macomb County, MI

## Southeast Macomb Sanitary District Wastewater Master Plan



### SYSTEM LEGEND

(AS OF DATE OF PUBLICATION)

- SYSTEM BOUNDARY

### DISTRICT LEGEND

(AS OF DATE OF PUBLICATION)

- 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
- SOUTHEAST MACOMB COUNTY WASTEWATER DISPOSAL SYSTEM
- MARTIN SANITARY DIVERSION DISTRICT
- SOUTHEAST MACOMB SANITARY DISTRICT
- NORTHEAST SEWAGE DISPOSAL SYSTEM
- MILK RIVER INTERCOUNTY DRAIN DRAINAGE DISTRICT
- LOCAL MUNICIPALITY
- OTHER

### ASSET LEGEND

- PUMP STATION
- FLOW CONTROL STRUCTURE
- RTB
- GRAVITY INTERCEPTOR
- IN-SYSTEM STORAGE DEVICE
- OVERFLOW POINT
- LEVEL SENSOR
- RAIN GAUGE
- FLOW METER

PLOT INFO: Z:\2018\181053\CAD\PRECED\SEMSD\_OVERALL.DWG LAYOUT: FIG 3-6\_CHAPATON SYS DATE: 7/20/2021 TIME: 1:33:59 PM USER: WESEDK1

PROJECT NO.

181053

# 3.6

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on May 9, 2022, at 10:02 A.M.

PRESENT: Candice S. Miller, Chair  
Bryan Santo, Member  
Veronica Klinefelt, Member

ALSO PRESENT: Daniel Acciavatti, Deputy Government Relations; Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction & Maintenance Manager; Norb Franz, Communications Manager; Harold Haugh, Macomb County Board of Commissioners; Bruce Manning, Financial Manager; Pamela Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Don VanSyckel, Macomb County Board of Commissioners; Sarah Wojdyla, Drain Account Specialist

PRESENT VIA TELECONFERENCE: Ben Aloia, Attorney with Aloia & Associates, Madison Tanghe, Administrative Coordinator, Macomb County Public Works; Mary Shepard, Environmental and Safety Services Supervisor of Sterling Heights Department of Public Works

The meeting was called to order by the Chair, Candice Miller. A motion was made by Mr. Santo, supported by Mrs. Klinefelt to approve the agenda as presented.

Adopted: YEAS: 3  
NAYS: 0

Minutes of the meeting of April 11, 2022 were presented. A motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3  
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

Mr. Astorino presented a project update. No wet weather events this month. The Chapaton Basin and 9 Mile repairs project are just waiting for D'Agostini to sign the contract. They came back with changes they wanted and after we ran it by our legal team, we decided we aren't making any changes. Hoping they sign and we move forward soon.

Regarding the Chapaton In-System Storage Project the main thing right now is we are still working with DTE at the Beaconsfield site regarding the power lines being relocated. They originally wanted them relocated underground and have since come up with a new plan to relocate overhead, just waiting on an estimate for this. DTE is causing a delay and this could cause problems in the future with having to extend our contract with Weiss Construction. To keep things moving along in the mean time we have other project items getting prepped and ready.

A motion was made by Mr. Santo, supported by Mrs. Klinefelt to receive and file the project update by Mr. Astorino.

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino presented the board with an update on the Chapaton Canal Rehabilitation and 9 Mile Pump Station Project. We will bring the 9 Mile Pump Station guaranteed maximum price to the board in July 2022, after we get quotes all together for every aspect of the project. Mr. Astorino presented the design drawings of what it will look like when completed. Key aspects to the 9 Mile Pump station is that we are adding additional storage, electrical redundancies, flood protection, basement backup protections, and water quality improvements. Once we tally up the numbers from the Canal Rehab, 9 Mile, Chapaton In-System storage, new Manhole Covers, Green Infrastructure it all ends up being about 78% reduction in overflow volume. Commissioner Miller added that we got a grant from the Army Corp Engineers for \$1.2 million for Green Infrastructure. We are anticipating 9 Mile Pump Station to total around \$45 Million, we have done everything to keep it as low as possible. Commissioner Miller added there have even been cutbacks from original plans to keep costs down. Mr. Astorino then went on to show the designs of the inside of the pump station.

The Chapaton Canal Rehabilitation project was presented next. An overview of the Chapaton Canal improvements were shown from 1978-2020. In March of 2020 EGLE denied the Canal Expansion design. Rehabilitation components from the 2020 design still need to be completed. In January 2022 we re-engaged Wade Trim to perform basis of design for the Rehabilitation project. 100% design proposal is being prepared by Wade Trim to complete the design by the end of 2022 and issue for public bids in early 2023. Mr. Astorino stated it is estimated to be about \$17 million right now for this project.

Mr. Haugh had a question regarding the ARP Funds stating he received a message that Public Works has several projects that can utilize and qualify for all of the funding stream. He wants to know if we are using ARP funds for these projects. Commissioner Miller states yes some of them will be from the ARP Funds.

A motion was made by Mrs. Klinefelt, supported by Mr. Santo to receive and file the Chapaton Canal Rehabilitation and 9 Mile Pump Station Project presentations by Mr. Astorino.

Adopted: YEAS: 3  
NAYS: 0

Item number 9 on the agenda was moved up and Mr. Astorino presented the Agreement with the St. Clair Land & Development LLC (Shore Club Apartments) with Ben Aloia from Aloia and Associates. When reconstructing the 9 Mile Pump Station, it was determined we needed a staging area. They are allowing us to use this for 2 years and any time after that is \$5,000 a month, which hopefully we will be almost done by then. Ben Aloia clarified that when 9 Mile is vacated that half would go to us and half to Shoreclub. So they will deed their half to us which we need and in addition they need the extra lane which we will build for them on their property and connect the sewer. Ben states we fully expect the city to approve this as well. He also added there will be no changes to the boat launch.

A motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the 9 Mile Vacation and Pump Station Project agreement with St Clair Land Development LLC.

Adopted: YEAS: 3  
NAYS: 0



Another motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the submittal of an application to St. Clair Shores to vacate a portion of East 9 Mile Road.

Adopted: YEAS: 3  
NAYS: 0

Mr. Astorino then presented to the board the Chapaton Canal Rehabilitation Design recommendation. The project has been conceptually developed to rehabilitate the existing open-air canal that is used to treat and store treated combined sewer overflows after leaving the Chapaton retention treatment basin. The proposal is for \$499,972 that should cover everything from design to permits. There is approximately \$140,268 left within the current contract so the change order is actually for \$359,703.

A motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the change order of \$359,703.67.

Adopted: YEAS: 3  
NAYS: 0

Mr. Baker presented the board with a Chapaton Canal Rehabilitation Project Plan resolution for a State Revolving Fund loan (SRF). This is a low interest loan to have just in case we don't get the money from the state in time or all the money expected. This is the least costly alternative. In total we are still \$25 million short on all our projects so we would have this to borrow from if need be. If we do get the cash we can terminate the SRF. Commissioner Miller stated she is about to call Lansing to see what is the hold up on the funds.

A motion was made by Mr. Santo, supported by Mrs. Klinefelt to approve the Chapaton Canal Rehabilitation Project Plan Resolution as the first step toward applying for a State Revolving Fund loan.

Adopted: YEAS: 3  
NAYS: 0

The Chair presented the invoices totaling \$376,380.94 to the board for review and approval.

A motion was made by Mrs. Klinefelt, supported by Mr. Santo to approve the invoices as presented.

Adopted: YEAS: 3  
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mrs. Klinefelt and supported by Mr. Santo.

Adopted: YEAS: 3  
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Ms. Klinefelt, that the meeting of the Eight and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 3  
NAYS: 0

The meeting was adjourned at 11:02 a.m.



Candice S. Miller, Chair  
Macomb County Public Works Commissioner

STATE OF MICHIGAN  
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on May 9, 2022 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair  
Macomb County Public Works Commissioner

DATED: 5/11/22



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: June 13, 2022

Subject: Construction Projects Status Updates for the June 2022 Board Meeting

The following provides a status update for construction work completed within the 8 ½ Mile Relief Drain Drainage District (8MRDDD) for the previous month.

### Wet Weather Operations

No wet weather events for this past month.

### Chapaton Basin and 9 Mile Drain Structural Repairs Project

**Contractor:** Pullman/L. D'Agostini

**Engineering Consultant:** NTH

#### **Project Description:**

This project consists of performing concrete repairs within the Chapaton RTB (constructed in 1968) and the 9-Mile Drain (constructed in 1926). Recent inspections were performed and various types of repairs in numerous locations were noted in the reports. Repairs primarily consist of chipping away damaged concrete, prepping the reinforcing steel and remaining concrete surfaces, and installing a specialized concrete product flush to adjacent surfaces.

#### **Significant project tasks that have occurred over the past month:**

1. Continuing to work with L D'Agostini to sign the contract for phase 2.

**Construction Costs:**

	Date (if applicable)	Amount
Original Contract Amount		\$736,950.00
Total Spent to Date	Pay App #1-5	\$474,913.50
Remaining Budget		\$262,036.50

**Chapaton In-System Storage Project****Contractor:** Weiss Construction**Engineering Consultant:** Tetra Tech**Project Description:**

The primary focus of the project is the construction of an access shaft and installation of the In-System Storage Device at Beaconsfield and Oak in Eastpointe. This project will achieve an additional 3.5 million gallons of storage within the 8.5 Mile Relief tunnel.

**Significant project tasks that have occurred over the past month:**

1. Weiss is continuing to work with DTE/consumers for utility relocation at Beaconsfield.
  - DTE to have utility relocation plan within 1 week.
  - Consumers is on schedule.
2. Submittals are being received and processed by the engineering team.
3. Construction activities to date:
  - Mobilization of equipment at Kelly for drilling.
4. Construction look ahead:
  - Beaconsfield & Oak: Staging of steel and other construction materials to begin along Beaconsfield greenbelt.
  - Kelly & Oak: Excavation/drilling during the week of June 6.
  - Gaukler & Greater Mack: Excavation/drilling to begin week of June 13.

**Construction Costs:**

	Date (if applicable)	Amount
Original Contract Amount		\$9,673,200.00
Total Spent to Date	Pay Apps. 1 - 2	\$182,326.50
Remaining Budget		\$9,490,873.50

Photo of mobilizing drilling equipment at Kelly and Oak.



**OFFICE LOCATION:** 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933  
**ENGINEERING** • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264



# MACOMB COUNTY PUBLIC WORKS OFFICE



**CANDICE S. MILLER**

MACOMB COUNTY PUBLIC WORKS COMMISSIONER

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## **9 Mile Pump Station**

Presented on: June 13, 2022

# 9 Mile Pump Station

Candice S. Miller

Macomb County Public Works Commissioner



- Why this is needed.
  - The current Chapaton Pump Station does not meet capacity design standards.
  - High lake levels have a direct impact on our ability to pass flow.
  - The current station does not have generator backup for the large storm pumps.
  - If nothing is done, then thousands of St. Clair Shores and Eastpointe residents are at high risk of basement backups.
- What the new pump station will accomplish.
  - The new pump station will bring us up to capacity design standards.
  - High lake levels will have minimal impacts as everything will now be pumped.
  - Three 2.5 mW generators are being installed to provide firm pump capacity.
  - The risk of basement backups will be significantly reduced.

# 9 Mile Pump Station - Basin View

Candice S. Miller

Macomb County Public Works Commissioner





# 9 Mile Pump Station – 9 Mile View

Candice S. Miller  
Macomb County Public Works Commissioner



# 9 Mile Pump Station – Inside Building

Candice S. Miller  
Macomb County Public Works Commissioner

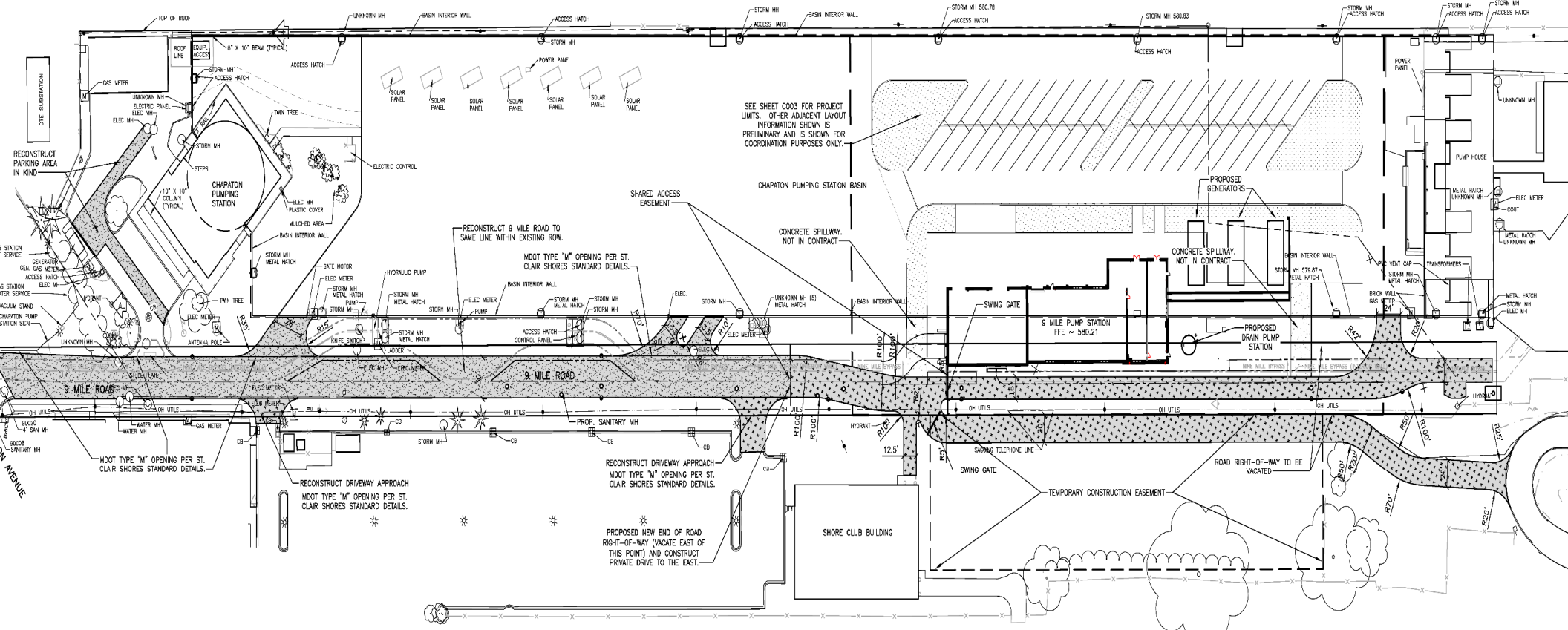




# 9 Mile Pump Station – Site Plan

Candice S. Miller

Macomb County Public Works Commissioner



# 9 Mile Pump Station - Permitting

Candice S. Miller

Macomb County Public Works Commissioner



- 9 Mile Vacation Application Submitted
  - Submitted on 5/4
- EGLE Part 41 Construction Permit
  - Submitted on 5/20
- SCS Planning Commission
  - Submitted on 5/26
- SESC Permit
- SCS Building Permit
  - Submitted on 5/20

# 9 Mile Pump Station – Next Steps

Candice S. Miller

Macomb County Public Works Commissioner



- The project is currently out to competitive bid for each specialty.
- Bids are due 6/24/22 at 12:00 pm.
- Guaranteed Maximum Price will be put together by Weiss and then brought to the 7/11/22 board meeting for review.
- Board approval of a single assessment roll for the 8.5 Mile ISS and 9 Mile PS in July/August.



**Opinion of Probable Cost : 60% Design Drawings (60% Specs not provided)**

MCDPW Nine Mile Pumping Station CMAR

Prepared By: Weiss Construction Co. LLC

Task Description	Quantity	Unit	Unit Price	Amount	
<b>DIV 1.0 General Requirements</b>					
<b>General Requirements</b>					\$ 520,000.00
Building Permit & Plan review Fee				by Owner	
Bonds & Additional Insurance Beyond OCIP	1	LS	\$ 300,000.00	\$ 300,000.00	
Professional Liability Insurance - \$5 Million	1	LS	\$ 100,000.00	\$ 100,000.00	
Basin Access			TBD	TBD	
Bypass Pumping (wet weather event/leakage)			TBD	TBD	
Survey / Layout	60	Wk.	\$ 2,000.00	\$ 120,000.00	
QA/QC Testing				By Owner	
<b>Mobilization</b>					\$ 310,700.00
Temp Fence	1,600	Lft	\$ 35.00	\$ 56,000.00	
Concrete barrier wall	450	Lft	\$ 50.00	\$ 22,500.00	
Traffic control	1	LS	\$ 5,000.00	\$ 5,000.00	
SESC & Clearing	1	LS	\$ 12,000.00	\$ 12,000.00	
Laydown strip	6,400	Syd	\$ 8.00	\$ 51,200.00	
Laydown Stone	3,200	TN	\$ 40.00	\$ 128,000.00	
Temp Utilities	4	Ea.	\$ 4,000.00	\$ 16,000.00	
Setup Office & Conex Complex	4	Ea.	\$ 5,000.00	\$ 20,000.00	
<b>Demobilization</b>					\$ 134,200.00
Fence Remove	1,600	Lft	\$ 10.00	\$ 16,000.00	
Laydown Strip & haul	6,400	Syd	\$ 8.00	\$ 51,200.00	
Laydown Restore TSM	4,700	Syd	\$ 10.00	\$ 47,000.00	
Remove Office & Conex Complex	1	LS	\$ 20,000.00	\$ 20,000.00	
<b>DIV 2.0 Site Work</b>					\$ 694,500.00
<b>Surface Removals &amp; Relocations</b>					
Relocate 20-inch Flush Line	600	Lft	\$ 300.00	\$ 180,000.00	
Relocate Gas Line	600	Lft	\$ 50.00	\$ 30,000.00	
Relocate Elec Duct Bank	600	Lft	\$ 200.00	\$ 120,000.00	
Relocate 2-inch disinfection line	600	Lft	\$ 200.00	\$ 120,000.00	
Storm Relocation	1	LS	\$ 40,000.00	\$ 40,000.00	
OH Electrical Relocation	600	Lft	\$ 50.00	\$ 30,000.00	
Roadway Removal	5,500	Syd	\$ 10.00	\$ 55,000.00	
RTB Parking Lot Pavement Removal	6,700	Syd	\$ 10.00	\$ 67,000.00	
Curb & Gutter Removal	2,300	Lft	\$ 15.00	\$ 34,500.00	
Gates & Fence Removal	1	LS	\$ 3,000.00	\$ 3,000.00	
Bumper Block Remove / Reinstall	600	Lft	\$ 25.00	\$ 15,000.00	
<b>Structural &amp; Controlled Demolition</b>					\$ 481,500.00
Demo Existing Gate Structure	1	LS	\$ 40,000.00	\$ 40,000.00	
Demo Ex Box Inlet connection	3,200	Cft	\$ 20.00	\$ 64,000.00	
Demo Ex Box outlet connection	2,100	Cft	\$ 20.00	\$ 42,000.00	
Sawcut / Demo Basin wall for Gate Openings	450	Cft	\$ 100.00	\$ 45,000.00	
Demo Northern box of 9 Mile Bypass	12,000	Cft	\$ 15.00	\$ 180,000.00	
RTB cleaning for Demo	3	Days	\$ 8,500.00	\$ 25,500.00	
RTB cleaning for Partition walls / Floor topping	10	Days	\$ 8,500.00	\$ 85,000.00	
<b>Mechanical &amp; Electrical Demolition</b>					\$ 211,600.00
Mechanical demo - Bar Screens	1	LS	\$ 15,000.00	\$ 15,000.00	
Mechanical demo - East Bldg. Flushing Pumps and Piping	1	LS	\$ 46,000.00	\$ 46,000.00	
Mechanical demo - Flushing Piping RTB interior & exterior	1	LS	\$ 90,000.00	\$ 90,000.00	
Mechanical Demo - Sluice Gates	1	LS	\$ 15,000.00	\$ 15,000.00	
Fence Remove	2	Ea.	\$ 7,800.00	\$ 15,600.00	
Electrical Demo	1	LS	\$ 30,000.00	\$ 30,000.00	
<b>DIV 3.0 Structural Concrete</b>					\$ 6,497,500.00
Pump Station Mud Mats	140	Cyd	\$ 300.00	\$ 42,000.00	
Pump Station Base Slabs	480	Cyd	\$ 550.00	\$ 264,000.00	
Pump Station Bsmt Walls	1,075	Cyd	\$ 1,000.00	\$ 1,075,000.00	
Pump Station Deck Slabs	355	Cyd	\$ 1,700.00	\$ 603,500.00	
Pump Station Strip Ftg / Grade Beams	80	Cyd	\$ 900.00	\$ 72,000.00	
Pump Station Slabs on Grade	360	cyd	\$ 400.00	\$ 144,000.00	
Pump Station Filets & Fills	400	Cyd	\$ 450.00	\$ 180,000.00	
Pump Station Pads & Misc.	80	Cyd	\$ 1,800.00	\$ 144,000.00	
Middle Drain Box - Additional Wall	115	Cyd	\$ 1,200.00	\$ 138,000.00	
South Box Culvert	1,000	Cyd	\$ 900.00	\$ 900,000.00	
Inlet Connection Dbl Box	300	Cyd	\$ 900.00	\$ 270,000.00	
Outlet Connection Dbl Box	80	Cyd	\$ 900.00	\$ 72,000.00	
Drainage Pump Station	90	Cyd	\$ 1,500.00	\$ 135,000.00	
RTB Partition walls	140	Cyd	\$ 1,200.00	\$ 168,000.00	

**Opinion of Probable Cost : 60% Design Drawings (60% Specs not provided)**

MCDPW Nine Mile Pumping Station CMAR

Prepared By: Weiss Construction Co. LLC

Task Description	Quantity	Unit	Unit Price	Amount	
RTB Partition Stub Walls	100	Cyd	\$ 1,300.00	\$ 130,000.00	
RTB partition wall columns	35	Cyd	\$ 2,500.00	\$ 87,500.00	
RTB flushing floor Fill	900	Cyd	\$ 450.00	\$ 405,000.00	
Resteel Labor	580	Tn	\$ 1,000.00	\$ 580,000.00	
Resteel Material	580	Tn	\$ 1,600.00	\$ 928,000.00	
Resteel Hoisting	580	Tn	\$ 275.00	\$ 159,500.00	
<b>DIV 4.0 Masonry</b>					\$ 1,002,505.00
Masonry Walls - Block	15,051	Sft	\$ 35.00	\$ 526,778.00	
Masonry Walls - Face Brick	14,116	Sft	\$ 25.00	\$ 352,900.00	
Masonry Walls - Block Interior	2,305	Sft	\$ 35.00	\$ 80,689.00	
Precast Concrete - Exterior Wall Panels	2,107	Sft	\$ 20.00	\$ 42,138.00	
<b>DIV 5.0 Metals</b>					\$ 433,496.00
Structural steel - beams and columns	19,647	Lb.	\$ 3.00	\$ 58,941.00	
Metal Bar joists	8,505	Lb.	\$ 3.00	\$ 25,514.00	
Metal Decking	18,216	Sft	\$ 3.00	\$ 54,648.00	
Canopy Decking	4,070	Sft	\$ 7.00	\$ 28,490.00	
Canopy Metal Joist and Columns	16,028	Lb.	\$ 4.00	\$ 64,111.00	
roof tie off points - LF of perimeter	616	Lft	\$ 80.00	\$ 49,280.00	
stairs and landings	246	Sft	\$ 300.00	\$ 73,794.00	
Hand rails	141	Lft	\$ 75.00	\$ 10,608.00	
roof metal ladders	1	Ea.	\$ 5,000.00	\$ 5,000.00	
interior wall ladders	33	Vft	\$ 200.00	\$ 6,600.00	
Decorative Metal Panels	437	sft	\$ 30.00	\$ 13,110.00	
screen wall	298	Sft	\$ 50.00	\$ 14,900.00	
misc. metals	5,700	Lb.	\$ 5.00	\$ 28,500.00	
<b>DIV 6.0 - Woods &amp; Plastics</b>					\$ 31,326.00
Parapet Metal Stud wall	2,631	Sft	\$ 7.00	\$ 18,417.00	
Parapet Wall FT rated 5/8" Plywood	4,303	Sft	\$ 3.00	\$ 12,909.00	
<b>DIV 7.0 - Thermal &amp; Moisture Protection</b>					\$ 504,052.00
built-up roof	8,600	sft	\$ 23.00	\$ 197,800.00	
Standing Seam roof	1,920	sft	\$ 35.00	\$ 67,200.00	
Slab insulation	16,038	sft	\$ 1.00	\$ 16,038.00	
copper cladding	4,278	Sft	\$ 48.00	\$ 205,344.00	
downspouts and gutters	125	lnft	\$ 14.00	\$ 1,750.00	
roof hatches	32	Sft	\$ 100.00	\$ 3,200.00	
roof pads	106	Ea.	\$ 120.00	\$ 12,720.00	
<b>DIV 8 - Openings</b>					\$ 446,660.00
Translucent windows 210sqft	540	sft	\$ 170.00	\$ 91,800.00	
Skylights	776	sft	\$ 100.00	\$ 77,600.00	
Round windows 4'dia	140	sft	\$ 150.00	\$ 21,000.00	
aluminum sq windows	1,090	sft	\$ 100.00	\$ 109,000.00	
Doors and hardware	7	Ea.	\$ 8,000.00	\$ 56,000.00	
Doors and hardware dbl dr	2	Ea.	\$ 11,000.00	\$ 22,000.00	
overhead Doors	224	sft	\$ 100.00	\$ 22,400.00	
screen room fence gates	360	sft	\$ 28.50	\$ 10,260.00	
Arch Louvers	120	sft	\$ 30.00	\$ 3,600.00	
caulk and glazing	5,500	Lft	\$ 6.00	\$ 33,000.00	
<b>DIV 9.0 Finishes</b>					\$ 119,178.00
floor coating	8,600	Sft	\$ 3.00	\$ 25,800.00	
interior painting Walls	32,789	Sft	\$ 2.00	\$ 65,578.00	
Interior painting ceiling	8,600	Sft	\$ 3.00	\$ 25,800.00	
Room and Building Identification	40	Ea.	\$ 50.00	\$ 2,000.00	
<b>DIV 10 - Specialties</b>					\$ 11,200.00
life safety signage	1	Ea.	\$ 10,000.00	\$ 10,000.00	
Fire extinguisher	6	Ea.	\$ 200.00	\$ 1,200.00	
<b>DIV 22 - Plumbing</b>					\$ 340,000.00
plumbing pipe, valves meters and connections	1	Ea.	\$ 215,000.00	\$ 215,000.00	
NG service and piping	1	Ea.	\$ 125,000.00	\$ 125,000.00	
<b>DIV 23.0 - HVAC</b>					\$ 370,600.00
MAU's, ex fans, vents/blowers	1	Ea.	\$ 55,500.00	\$ 55,500.00	
RTU	1	Ea.	\$ 52,500.00	\$ 52,500.00	
roof curbs	2	Ea.	\$ 7,800.00	\$ 15,600.00	
Duct work	1	LS	\$ 97,500.00	\$ 97,500.00	
Testing and balancing	1	Ea.	\$ 13,000.00	\$ 13,000.00	
exhaust fans and dampers	1	LS	\$ 39,000.00	\$ 39,000.00	
Mech and Duct Insulation	1	LS	\$ 13,000.00	\$ 13,000.00	



**Opinion of Probable Cost : 60% Design Drawings (60% Specs not provided)**

MCDPW Nine Mile Pumping Station CMAR

Prepared By: Weiss Construction Co. LLC

Task Description	Quantity	Unit	Unit Price	Amount	
Rigging	1	LS	\$ 19,500.00	\$ 19,500.00	
Mechanical Permit	1	LS	\$ 2,500.00	\$ 2,500.00	
controls	1	LS	\$ 62,500.00	\$ 62,500.00	
<b>DIV 26.0 - Electrical</b>					\$ 13,800,000.00
Electrical /Instrumentation / Controls (See Attached from Rotor)	1	LS	\$ 13,800,000.00	\$ 13,800,000.00	
<b>DIV 31.0 - Earthwork</b>					
<b>Temp Earth Retention System - Pump Station</b>					\$ 2,715,900.00
Precut TERS footprint and prep pad	780	Cyd	\$ 15.00	\$ 11,700.00	
Stone pad for rotary drill	1,500	Tn	\$ 35.00	\$ 52,500.00	
Secant Template	390	Lft	\$ 350.00	\$ 136,500.00	
Secant Pile - Primary Piles w/ WCC Support (188 each @ 55vft )	3,220	Vft	\$ 270.00	\$ 869,400.00	
Secant Pile - Secondary Piles w/ WCC Support (188 each @ 55 vft)	3,220	Vft	\$ 190.00	\$ 611,800.00	
TERS Excavation	7,200	Cyd	\$ 50.00	\$ 360,000.00	
TERS Bracing	12,000	Sft	\$ 35.00	\$ 420,000.00	
TERS Ladders & Platforms	130	Vft	\$ 200.00	\$ 26,000.00	
TERS Handrail	600	Lft	\$ 30.00	\$ 18,000.00	
Casual Groundwater Pumping & Control	16	Mo	\$ 3,500.00	\$ 56,000.00	
TERS Removal / Cutdown	600	Lft	\$ 75.00	\$ 45,000.00	
TERS Backfill - CLSM Flo-fill	300	Cyd	\$ 150.00	\$ 45,000.00	
TERS Backfill - CLII Sand	1,600	Tn	\$ 40.00	\$ 64,000.00	
<b>General Earthwork</b>					\$ 898,400.00
Pump Station Strip Footing / Wall - Excavation		Cyd	\$ 25.00	\$ -	
Pump Station Strip Footing / Wall - Backfill		Tn	\$ 30.00	\$ -	
Pump Station Floor Slab over RTB - Grading / Fill	640	Tn	\$ 35.00	\$ 22,400.00	
Inlet Connection DBL Box- Excavation	1,000	Cyd	\$ 40.00	\$ 40,000.00	
Inlet Connection DBL Box - Backfill	500	Tn	\$ 35.00	\$ 17,500.00	
Outlet Connect DBL Box - Excavation	600	Cyd	\$ 40.00	\$ 24,000.00	
Outlet Connect DBL Box - Backfill	300	Tn	\$ 35.00	\$ 10,500.00	
South 9 Mile Box Replacement - TERS	7,000	Sft	\$ 40.00	\$ 280,000.00	
South 9 Mile Box Replacement - Dewatering	460	Lft	\$ 100.00	\$ 46,000.00	
South 9 Mile Box Replacement - Excavation	4,100	Cyd	\$ 25.00	\$ 102,500.00	
South 9 Mile Box Replacement - Backfill	4,000	Tn	\$ 30.00	\$ 120,000.00	
Drainage Pump Station Shaft	45	Vft	\$ 3,000.00	\$ 135,000.00	
Jack and Bore	60	Lft	\$ 1,300.00	\$ 78,000.00	
Parking Lot Regrading to Final	4,800	Syd	\$ 3.00	\$ 14,400.00	
Regrade Nine Mile ROW	2,700	Syd	\$ 3.00	\$ 8,100.00	
<b>DIV 32 - Exterior Improvements</b>					\$ 1,095,600.00
Base Course - 9 Mile Pavement	1,800	Tn	\$ 35.00	\$ 63,000.00	
Base Course - PS Exterior slabs	540	Tn	\$ 35.00	\$ 18,900.00	
Nine Mile Pavement Replacement	4,050	Syd	\$ 80.00	\$ 324,000.00	
Curb and Gutter	3,280	Lft	\$ 35.00	\$ 114,800.00	
Sidewalk /Drive Approaches /door slabs	7,300	sft	\$ 8.00	\$ 58,400.00	
Bollards	12	Ea.	\$ 1,500.00	\$ 18,000.00	
RTB Basin Pavement Replacement	4,800	Syd	\$ 75.00	\$ 360,000.00	
RTB Parking Lot Striping	1	LS	\$ 15,000.00	\$ 15,000.00	
Nine Mile Pavement Marking	3,500	Lft	\$ 3.00	\$ 10,500.00	
New Access Gates	6	Ea.	\$ 3,000.00	\$ 18,000.00	
Landscaping & planting	1	LS	\$ 30,000.00	\$ 30,000.00	
Topsoil /Seed / Mulch	7,500	Syd	\$ 8.00	\$ 60,000.00	
Site Signage	1	LS	\$ 5,000.00	\$ 5,000.00	
<b>DIV 33.0 - Utilities</b>					\$ 299,500.00
6-inch sanitary sewer w/ MH's	460	Lft	\$ 200.00	\$ 92,000.00	
Sanitary service leads	160	Lft	\$ 125.00	\$ 20,000.00	
4-inch water service	50	Lft	\$ 150.00	\$ 7,500.00	
Electrical Duct Bank - Conc Reinforced w/ excav & backfill	750	Lft	\$ 200.00	\$ 150,000.00	
Gas Service	50	Lft	\$ 150.00	\$ 7,500.00	
Storm Sewer Improvements / Reconnections	150	Lft	\$ 150.00	\$ 22,500.00	
<b>DIV 40.0 - Process Interconnections</b>					\$ 4,939,324.00
RTBI Piping (Pump discharge)	317	Lft	\$ 4,750.00	\$ 1,505,750.00	
Discharge piping vent line	264	Lft	\$ 700.00	\$ 184,800.00	
Hydraulic gates	821	sft	\$ 500.00	\$ 410,500.00	
Level control	1	Ea.	\$ 83,000.00	\$ 83,000.00	
Gas Monitoring	1	Ea.	\$ 80,000.00	\$ 80,000.00	
FLW Flushing water	1,194	Lft	\$ 1,500.00	\$ 1,791,000.00	
FLW Supports	66	Ea.	\$ 989.00	\$ 65,274.00	

**Opinion of Probable Cost : 60% Design Drawings (60% Specs not provided)**

MCDPW Nine Mile Pumping Station CMAR

Prepared By: Weiss Construction Co. LLC

Task Description	Quantity	Unit	Unit Price	Amount	
Retention basin influent piping	126	Lft	\$ 6,500.00	\$ 819,000.00	
<b>DIV 41.0 - Material Handling Equipment</b>					\$ -
Bridge Crane 15ton 5ton & 1 ton	0	LS	\$ 200,000.00	\$ -	
<b>DIV 43.0 - Process Pumping Equipment</b>					\$ 6,177,000.00
Mixed Flow Turbine Pumps SWP1-4 900HP	4	Ea.	\$ 1,075,000.00	\$ 4,300,000.00	
installation of turbine Pumps	4	Ea.	\$ 80,000.00	\$ 320,000.00	
Submersible Sewage Pumps SWP 5-6 400hp	2	Ea.	\$ 650,000.00	\$ 1,300,000.00	
installation Sewage Pumps	2	Ea.	\$ 40,000.00	\$ 80,000.00	
Submersible Chopper Pumps 250HP	2	Ea.	\$ 80,000.00	\$ 160,000.00	
installation of Chopper pumps	2	Ea.	\$ 8,500.00	\$ 17,000.00	
<b>DIV 46.0 - W &amp; WW Advanced Treatment Equipment</b>					\$ 639,110.00
Bar Screen	260	sft	\$ 301.00	\$ 78,260.00	
Bar screen install	1	LS	\$ 28,500.00	\$ 28,500.00	
Baffles	10,920	Sft	\$ 33.75	\$ 368,550.00	
baffles installation	10,920	Sft	\$ 15.00	\$ 163,800.00	
Subtotal - Construction Cost				\$ 42,673,900.00	
General Conditions (30 months @ \$40,000/mo.)				\$ 1,200,000.00	
GMP Contingency (6%)				\$ 2,560,500.00	
<b>Total Estimated Construction Cost</b>				<b>\$ 46,434,400.00</b>	

For additional information on the 9 Mile Pump Station  
In-System Storage Project: Plans, Costs, and Specifications

Click Here: [9 Mile PS](#)



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members  
Macomb Interceptor Drain Drainage District Board Members

From: Vincent Astorino, Operations & Flow Manager

Date: May 24, 2022

Subject: SCADA Server Upgrades Recommendation

The Macomb County Public Works Office (MCPWO) manages a highly sophisticated Supervisory Control and Data Acquisition (SCADA) system. This system supports all the various drainage district assets that MCPWO maintains along with the OMIDDD system.

The MCPWO SCADA system has 2 data centers each containing redundant servers which are housed at Chapaton & Clintondale Pump Stations. These servers host a VMWare virtual environment which has multiple benefits including the ability to run many different virtual computers simultaneously on a single physical server. Another benefit of a virtual environment is that the physical servers supporting it can be replaced one at a time and yet the virtual computers will continue running uninterrupted. It should be noted that the physical servers also leverage other enterprise hardware such as dedicated high speed network switches and cybersecurity appliances to function in this configuration. For the purposes of this document, the term “server” should be assumed to include that hardware as well.

A SCADA system has 3 primary components: a server, a communication network and software. Each component is equally important; however, the server determines the reliability and longevity of the system. The current SCADA servers were replaced in 2015 and typically have a useful life of 5 to 7 years. We originally slated this replacement for 2020 but due to COVID and staff working remotely we did not want to take any risks with server replacements at that time.

MCPWO has been working with our trusted vendor Access Interactive to pull together pricing for this project. Due to this SCADA system being a potential target to terrorist threats we are unable to publicly bid out this project due to the heightened security risks. Access Interactive was vetted out by Macomb County IT and is one of their trusted vendors and was recommended to us several years ago.

The final negotiated pricing that we have received from Access Interactive is \$200,776 which is being distributed across all drainage districts and OMIDDD. This is broken out below. To ensure that all pricing that we have received for this replacement project is fair, we have gone through an analysis if we were to purchase all the equipment ourselves which we receive a significant account savings from Dell. Even with that we were unable to beat the pricing that Access Interactive has provided to us. A few examples of this are listed below in Table 1. All pricing within Table 1 is for one component in each section.

Table 1 - Cost Comparison

	Dell List Price	MCPWO Account Savings	Final MCPWO Cost	Access Pricing
Dell R650 Server	\$31,303.25	\$13,177.02	\$18,126.33	\$17,129.00
Dell 3148P Switch	\$16,052.00	\$5,297.72	\$10,754.28	\$6,870.00
	CDWG Price			
Dell S4128F Switch*	\$12,277.88	N/A	\$12,277.88	\$11,978.00

\*Pricing not available to us through our Dell account for this model.

When the servers were last replaced a life-cycle budget was established across all the wastewater drainage districts to cover the cost of the next replacements. The following funds have been collected for each drain district over that time. The breakdown of the Access Interactive quote per district is also within this table.

Table 2 - Cost Breakdown

Drain District	Total Funds Collected*	Access Interactive Cost Breakdown
MIDDD	\$303,771	\$86,333.68
8.5 Mile	\$184,168	\$64,750.26
MSDDD	\$26,860	\$12,950.05
SEMCWWDS	\$17,260	\$8,633.37
OMIDDD**	N/A	\$28,108.64
Total	\$532,059	\$200,776

\*It should be noted that this is one component of the SCADA system as described above. Therefore, the remaining funds can be used for other replacements across the SCADA backbone without having to increase the budgets.

\*\*OMIDDD will be billed directly for this and has been notified of the upcoming project during their budgeting process.

**The recommendation from MCPWO is to move forward with the Access Interactive purchase and installation of new SCADA servers with the cost breakdown as described in Table 2 above.**

Attachment: Access Interactive Proposal – May 13, 2022



## **Macomb County Public Works**

**Dell MHEC Contract: MHEC-07012015**

**Contract Code: 99AGZ / 77AGV**

**(Please refer to the above contract # and contract code on all purchase orders for Dell equipment and support. Access Interactive professional services and non-Dell equipment on this proposal are separate from contract)**

## **Infrastructure Upgrade**

**Version 8**

Prepared by:

**access**  **nteractive**

Bill Fedak  
Jerry Rioux  
Daniel Heidt

May 13, 2022



## **Access Interactive Company Overview**

Access Interactive provides technology solutions, services and support to business, educational and government organizations since 1985. Our business focus is helping our Clients make the most of technology investments. Over the last 28 years Access has experienced significant growth to establish itself as a \$35 million organization proudly retaining over 65 full-time employees. We pride ourselves on being large enough to be extremely competitive and small enough to pay personal attention to our customers. We have an unwavering commitment to providing the best solutions, service and support to our customers.

Our highly-skilled technical services group includes over 30 full-time technicians including VMware, Microsoft, Cisco and Dell certified system engineers. Our technicians are available to you for projects ranging from on-site break/fix services to full-scale WAN/LAN integration, remote access, IP telephony and more.

Access Interactive sales consultants are technically astute and have an average over 20 years of industry experience. They are ready to apply their knowledge and technical expertise to recommending the best products and solutions and to providing efficient project management.

It is our focused mission to implement the best products, service and support in the industry to our clients.

## **Strategic Directive**

Access Interactive's initial, primary focus in Macomb County Public Works' upcoming project is an in depth review of the organizational environment. Gathering momentum from the initial meetings; we're confident Access can offer credible short term recommendations / solutions in order to create a strong long lasting relationship. Our relationships with our clients grow based on strong commitment and Access Interactive's willingness to go the extra mile. Access Interactive prides itself on communication, documentation and thirst for industry knowledge. These traits, coupled with cross trained technical aptitude, contribute greatly to our overall success. We look forward to working with an organization that has a firm grasp on their field, and knowledge of how their ever changing IT infrastructure can elevate them to new levels of achievement.

## **Solution Synopsis**

The proposed solution provides a scalable, secure, cost effective foundation for Macomb County Public Works. There are several components that work together to provide a network that has excellent performance, is easy to manage, provides fault tolerance and secure connectivity.

These components are:

- Dell PowerEdge Servers
- Dell Switches
- SonicWall Firewalls
- Data Center Rack/UPS
- Professional Services and Knowledge Transfer

## CHAPATON



### Dell R650 Servers

Description	Quantity
10x2.5 Front Storage	1
SAS/SATA Backplane	1
No Rear Storage	1
Trusted Platform Module 2.0 V3	1
2.5" Chassis with up to 10 Hard Drives (SAS/SATA), 3 PCIe Slots, 2 CPU	1
Intel Xeon Gold 6354 3G, 18C/36T, 11.2GT/s, 39M Cache, Turbo, HT (205W) DDR4-3200	1
Intel Xeon Gold 6354 3G, 18C/36T, 11.2GT/s, 39M Cache, Turbo, HT (205W) DDR4-3200	1
Additional Processor Selected	1
Heatsink for 2 CPU configuration (CPU more than 165W)	1
Performance Optimized	1
3200MT/s RDIMMs	1
No RAID	1
PERC H355 Controller Front	1
Front PERC Mechanical Parts, rear load	1
Performance BIOS Settings	1
UEFI BIOS Boot Mode with GPT Partition	1
4 High Performance Fans for 2 CPU	1
Dual, Hot-plug, Redundant Power Supply (1+1), 1400W, Mixed Mode	1
Riser Config 0, 2CPU, Half Length, Low Profile, 3 x16 Slots, SW GPU Capable	1
PowerEdge R650 Motherboard	1

iDRAC9, Enterprise 15G	1
Broadcom 5720 Quad Port 1GbE BASE-T Adapter, OCP NIC 3.0	1
LCD Bezel	1
Luggage Tray x8 and x10 Chassis, R650	1
BOSS Blank	1
No Quick Sync	1
iDRAC,Factory Generated Password	1
iDRAC Group Manager, Disabled	1
No Operating System	1
No Media Required	1
Strain Relief Bar	1
1U Combo Drop-In/Stab-In Rails	1
OpenManage DVD Kit,Poweredge R650	1
PowerEdge R650 Shipping	1
R650 Ship 4x3.5, 10x2.5, 8x2.5 NVMe	1
R650 Dell/EMC label (BIS) for 2.5" Chassis	1
PowerEdge R650 No CCC Marking, No CE Marking	1
US Order	1
PowerEdge R650 Server	1
Basic Next Business Day 36 Months	1
ProSupport and Next Business Day Onsite Service Initial, 36 Month(s)	1
ProSupport and Next Business Day Onsite Service Extension, 24 Month(s)	1
16GB RDIMM, 3200MT/s, Dual Rank	8
480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD	2
Jumper Cord - C13/C14, 4M, 250V, 12A (North America, Guam, North Marianas, Philippines, Samoa)	2
Dell HBA355e Adapter, Full Height	1
Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	1

**Dell R650 – 5 Year Support**

**Qty. 2 @ \$ 17,129.00 each \$ 34,258.00**

## CLINTONDALE



### Dell R650 Servers

Description	Quantity
10x2.5 Front Storage	1
SAS/SATA Backplane	1
No Rear Storage	1
Trusted Platform Module 2.0 V3	1
2.5" Chassis with up to 10 Hard Drives (SAS/SATA), 3 PCIe Slots, 2 CPU	1
Intel Xeon Gold 6354 3G, 18C/36T, 11.2GT/s, 39M Cache, Turbo, HT (205W) DDR4-3200	1
Intel Xeon Gold 6354 3G, 18C/36T, 11.2GT/s, 39M Cache, Turbo, HT (205W) DDR4-3200	1
Additional Processor Selected	1
Heatsink for 2 CPU configuration (CPU more than 165W)	1
Performance Optimized	1
3200MT/s RDIMMs	1
No RAID	1
PERC H355 Controller Front	1
Front PERC Mechanical Parts, rear load	1
Performance BIOS Settings	1
UEFI BIOS Boot Mode with GPT Partition	1
4 High Performance Fans for 2 CPU	1
Dual, Hot-plug, Redundant Power Supply (1+1), 1400W, Mixed Mode	1
Riser Config 0, 2CPU, Half Length, Low Profile, 3 x16 Slots, SW GPU Capable	1
PowerEdge R650 Motherboard	1

iDRAC9, Enterprise 15G	1
Broadcom 5720 Quad Port 1GbE BASE-T Adapter, OCP NIC 3.0	1
LCD Bezel	1
Luggage Tray x8 and x10 Chassis, R650	1
BOSS Blank	1
No Quick Sync	1
iDRAC,Factory Generated Password	1
iDRAC Group Manager, Disabled	1
No Operating System	1
No Media Required	1
Strain Relief Bar	1
1U Combo Drop-In/Stab-In Rails	1
OpenManage DVD Kit,Poweredge R650	1
PowerEdge R650 Shipping	1
R650 Ship 4x3.5, 10x2.5, 8x2.5 NVMe	1
R650 Dell/EMC label (BIS) for 2.5" Chassis	1
PowerEdge R650 No CCC Marking, No CE Marking	1
US Order	1
PowerEdge R650 Server	1
Basic Next Business Day 36 Months	1
ProSupport and Next Business Day Onsite Service Initial, 36 Month(s)	1
ProSupport and Next Business Day Onsite Service Extension, 24 Month(s)	1
16GB RDIMM, 3200MT/s, Dual Rank	8
480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD	2
Jumper Cord - C13/C14, 4M, 250V, 12A (North America, Guam, North Marianas, Philippines, Samoa)	2
Dell HBA355e Adapter, Full Height	1
Broadcom 57412 Dual Port 10GbE SFP+ Adapter, PCIe Low Profile	1

**Dell R650 – 5 Year Support**

**Qty. 2 @ \$ 17,129.00 each \$ 34,258.00**

## CHAPATON

### Dell Networking S4128F

The S4100-ON 10GbE switches comprise Dell EMC's latest disaggregated hardware and software data center networking solutions, providing state-of-the-art 100GbE uplinks, fibre channel connectivity and a broad range of functionality to meet the growing demands of today's data center environment. These innovative, next-generation top-of-rack open networking switches offer optimum flexibility and cost-effectiveness for the enterprise, mid-market and Tier2 cloud service provider with demanding compute and storage traffic environments.



The compact S4100-ON models provide industry-leading density with up to 48 ports of 10GbE or up to 48 ports of 10GBaseT ports, 2 ports of 40GbE and 4 ports of 100GbE in a 1RU form factor. The S4148U-ON model can support up to 28 8/16G fibre channel ports, or 16 ports of 32G\* fibre channel ports. The S4112-ON is a halfrack width model that supports up to 12 ports of 10GbE or 12 ports 10GBaseT, and 3 ports of 100GbE.

The S4100-ON series are high-performance, multi-function, 1/10/25/40/50/100 GbE and 8/16/32G FC Top-of-Rack (ToR) switches purpose-built for applications in high-performance data center, cloud and computing environments.

- 1.76Tbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4148F-ON, S4148FE-ON, S4148T-ON and S4148U-ON.
- 960Gbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4128F-ON and S4128T-ON.
- 840Gbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4112F-ON and S4112T-ON.
- VXLAN gateway functionality support for bridging and routing the non-virtualized and the virtualized overlay networks with line rate performance
- Converged Network support with DCB
- IO panel to PSU airflow or PSU to IO panel airflow
- Redundant, hot-swappable power supplies and fans (S4112-ON has redundant, fixed power supplies and fans)
- Support for 10GBASE-LRM optics over OM1/OM2 fiber on S4148FE-ON product (not supported on other products in S4100 product family)
- IEEE 1588v2 supported (hardware only) on 48 port models

Dell EMC Switch S4128F-ON, 1U, 28 x 10GbE SFP+, 2 x QSFP28, PSU to IO, 2 PSU, OS10	1
OS10 Enterprise, S4128F-ON	1
Force10, Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13, S-Series	2
Dell Networking, Cable, SFP+ to SFP+, 10GbE, Copper Twinax Direct Attach Cable, 1 Meter	14
Dell Networking, Cable, QSFP+ to QSFP+, 40GbE Passive Copper Direct Attach Cable, .5 Meters	1
Dell EMC Networking S4100-ON Americas User Guide	1
5 Years ProSupport with Next Business Day Onsite Service	1
No Installation	1
5 Years ProSupport OS10 Enterprise Software Support-Maintenance	1

**Dell S4128F Switches – 5 Year Support**

**Qty. 2 @ \$ 11,978.00 each \$ 23,956.00**

## CLINTONDALE

### **Dell Networking S4128F**

The S4100-ON 10GbE switches comprise Dell EMC's latest disaggregated hardware and software data center networking solutions, providing state-of-the-art 100GbE uplinks, fibre channel connectivity and a broad range of functionality to meet the growing demands of today's data center environment. These innovative, next-generation top-of-rack open networking switches offer optimum flexibility and cost-effectiveness for the enterprise, mid-market and Tier2 cloud service provider with demanding compute and storage traffic environments.



The compact S4100-ON models provide industry-leading density with up to 48 ports of 10GbE or up to 48 ports of 10GBaseT ports, 2 ports of 40GbE and 4 ports of 100GbE in a 1RU form factor. The S4148U-ON model can support up to 28 8/16G fibre channel ports, or 16 ports of 32G\* fibre channel ports. The S4112-ON is a halfrack width model that supports up to 12 ports of 10GbE or 12 ports 10GBaseT, and 3 ports of 100GbE.

The S4100-ON series are high-performance, multi-function, 1/10/25/40/50/100 GbE and 8/16/32G FC Top-of-Rack (ToR) switches purpose-built for applications in high-performance data center, cloud and computing environments.

- 1.76Tbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4148F-ON, S4148FE-ON, S4148T-ON and S4148U-ON.
- 960Gbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4128F-ON and S4128T-ON.
- 840Gbps (full-duplex) non-blocking, cut-through switching fabric delivers line-rate performance under full load on S4112F-ON and S4112T-ON.
- VXLAN gateway functionality support for bridging and routing the non-virtualized and the virtualized overlay networks with line rate performance
- Converged Network support with DCB
- IO panel to PSU airflow or PSU to IO panel airflow
- Redundant, hot-swappable power supplies and fans (S4112-ON has redundant, fixed power supplies and fans)
- Support for 10GBASE-LRM optics over OM1/OM2 fiber on S4148FE-ON product (not supported on other products in S4100 product family)
- IEEE 1588v2 supported (hardware only) on 48 port models

Dell EMC Switch S4128F-ON, 1U, 28 x 10GbE SFP+, 2 x QSFP28, PSU to IO, 2 PSU, OS10	1
OS10 Enterprise, S4128F-ON	1
Force10, Power Cord, 125V, 15A, 10 Feet, NEMA 5-15/C13, S-Series	2
Dell Networking, Cable, SFP+ to SFP+, 10GbE, Copper Twinax Direct Attach Cable, 1 Meter	14
Dell Networking, Cable, QSFP+ to QSFP+, 40GbE Passive Copper Direct Attach Cable, .5 Meters	1
Dell EMC Networking S4100-ON Americas User Guide	1
5 Years ProSupport with Next Business Day Onsite Service	1
No Installation	1
5 Years ProSupport OS10 Enterprise Software Support-Maintenance	1

**Dell S4128F Switches – 5 Year Support**

**Qty. 2 @ \$ 11,978.00 each \$ 23,956.00**

## CLINTONDALE

### **Dell Networking S3128F**

Description	Quantity
Dell Networking S3148P, L3, PoE+, 48x 1GbE, 2x Combo, 2x 10GbE SFP+ fixed ports, Stacking, IO to PSU air, 1x 1100w AC PS	4
Power Supply, 715w, S3124P, Required for more than 550 watts of POE+, or for redundancy	4
Dell Networking S3100 Series User Guide	4
Dell Hardware Limited Warranty 1 Year	4
Lifetime Limited Hardware Warranty with Basic Hardware Service Next Business Day Parts Only on Your Network Switch	4
ProSupport: Next Business Day Onsite Service After Problem Diagnosis,5 Year	4
ProSupport:7x24 HW/SWTech Support and Assistance,5 Year	4
Thank you choosing Dell ProSupport. For tech support, visit //www.dell.com/support or call 1-800- 945-3355	4
On-Site Installation Declined	4
Stacking Cable, for Dell Networking N2000/N3000/S3100 series switches (no cross-series stack), 1m	4
Power Cord, 250V, 1 meter, C14 to C15	8

**Dell S3128F Switches – 5 Year Support**

**\$ 6,870.00**



CHAPATON

SONICWALL®



**SonicWall NSA 2700**

**HA Pair:**

NSA 2700 Total Secure Essential Edition 3yr (Secure Upgrade Plus)	<b>\$ 5,865.00</b>
NSA 2700 High Availability	<b>\$ 1,858.00</b>
Stateful HA Upgrade for NSA 2700 Series	<b>\$ 586.00</b>

## CHAPATON

### Data Center Rack/UPS 120V

#### **One (1) VRCS3357-120V Self-Contained Rack Solution with the following features:**

The Vertiv™ VRC-S is a pre-integrated, enclosed micro data center solution designed to be up and running at an edge or other small site in a matter of days. Available in eight pre-built standard sizes with two voltage options (120V or 208V), the solution incorporates a rack power distribution unit (PDU), monitoring software, and the new Vertiv™ VRC self-contained rack cooling unit in an enclosed standard IT rack.

#### **Enclosed Vertiv VR3357 Rack:**

- 48U; 2265mm (89.17")H x 800mm (31.50")W x 1215mm (47.83")D
- (1) 77% Perf Locking Front Door, (2) 77% Perf Split Locking Rear Doors, (2) pair 19" Mounting Rails, (4) Split Side Panels with locking slam latch
- Toolless Removeable Top Panel
- Casters and Leveling Feet

#### **Rack Mounted Cooling Unit, VRC100KIT:**

- 3.5kW Cooling Capacity
- Integrated Heat Rejection System
- Nema 5-20P Input Plug with 10ft Power Cord
- LCD Display
- Integrated Condensate Pump
- UL484 Certification
- Complete Installation Kit

#### **Pre-Installed NU30021 Rack PDUs:**

- 30A, 120V, 2.8kW
- Switched Outlet Level Monitoring EC
- Vertical, (24) NEMA 5-20R
- 10ft / 3m power cord with L5-30P

#### **GXT5 UPS System, Model GXT5-3000LVRT2UXL, 3000 VA/2700 Watts Capacity, 120VAC input and output.**

- True on-line design with PWM sine wave output
- 0.9 Output Power Factor Rating
- Input PF correction with wide input voltage and frequency range for longer battery life
- Efficient three-stage charging technique and comprehensive discharging protection
- +/- 3% output voltage regulation
- Automatic restart after extended outages
- Input and output noise suppression
- Emergency fail safe bypass for mission-critical availability
- Configurable to operate at voltages of 110/115/120/127 VAC
- Automatic and manual battery test feature
- Microprocessor-based control and monitoring

- Full color, gravity-sensing, LCD display for user friendly operation with local monitoring and configuration of operational parameters
- USB Port and Contact Closure Communications
- USB compatible Operating systems monitoring and GXT5 configuration program
- Intellislot Communications Port
- Battery start capability
- Extended run capability
- Three year warranty

**System Accessories:**

Each Liebert GXT5 ships with the following items:

- Liebert GXT5, Quick Installation Guide, Configuration Program
- USB Cable: one, 3.9 ft. (1.2m) long
- Plastic tower stand sets: 2 (four pieces)
- 4-Post Rack Mounting Kit
- Warnings and Safety Instructions booklet and WEEE recycling sheet (ISO 14001 compliance)

**Communications Hardware and Software Options:**

- RDU101, SNMP/Webcard for communications with environmental sensor support

**Installation**

- Installation/Rackmount of VRC100KIT, rPDU's, and UPS System

**Total:** **\$ 20,200.00**

## CLINTONDALE

### Data Center Rack/UPS 120V

#### **One (1) VRCS3357-120V Self-Contained Rack Solution with the following features:**

The Vertiv™ VRC-S is a pre-integrated, enclosed micro data center solution designed to be up and running at an edge or other small site in a matter of days. Available in eight pre-built standard sizes with two voltage options (120V or 208V), the solution incorporates a rack power distribution unit (PDU), monitoring software, and the new Vertiv™ VRC self-contained rack cooling unit in an enclosed standard IT rack.

#### **Enclosed Vertiv VR3357 Rack:**

- 48U; 2265mm (89.17")H x 800mm (31.50")W x 1215mm (47.83")D
- (1) 77% Perf Locking Front Door, (2) 77% Perf Split Locking Rear Doors, (2) pair 19" Mounting Rails, (4) Split Side Panels with locking slam latch
- Toolless Removeable Top Panel
- Casters and Leveling Feet

#### **Rack Mounted Cooling Unit, VRC100KIT:**

- 3.5kW Cooling Capacity
- Integrated Heat Rejection System
- Nema 5-20P Input Plug with 10ft Power Cord
- LCD Display
- Integrated Condensate Pump
- UL484 Certification
- Complete Installation Kit

#### **Pre-Installed NU30021 Rack PDUs:**

- 30A, 120V, 2.8kW
- Switched Outlet Level Monitoring EC
- Vertical, (24) NEMA 5-20R
- 10ft / 3m power cord with L5-30P

#### **GXT5 UPS System, Model GXT5-3000LVRT2UXL, 3000 VA/2700 Watts Capacity, 120VAC input and output.**

- True on-line design with PWM sine wave output
- 0.9 Output Power Factor Rating
- Input PF correction with wide input voltage and frequency range for longer battery life
- Efficient three-stage charging technique and comprehensive discharging protection
- +/- 3% output voltage regulation
- Automatic restart after extended outages
- Input and output noise suppression
- Emergency fail safe bypass for mission-critical availability
- Configurable to operate at voltages of 110/115/120/127 VAC
- Automatic and manual battery test feature

- Microprocessor-based control and monitoring
- Full color, gravity-sensing, LCD display for user friendly operation with local monitoring and configuration of operational parameters
- USB Port and Contact Closure Communications
- USB compatible Operating systems monitoring and GXT5 configuration program
- Intellislot Communications Port
- Battery start capability
- Extended run capability
- Three year warranty

**System Accessories:**

Each Liebert GXT5 ships with the following items:

- Liebert GXT5, Quick Installation Guide, Configuration Program
- USB Cable: one, 3.9 ft. (1.2m) long
- Plastic tower stand sets: 2 (four pieces)
- 4-Post Rack Mounting Kit
- Warnings and Safety Instructions booklet and WEEE recycling sheet (ISO 14001 compliance)

**Communications Hardware and Software Options:**

- RDU101, SNMP/Webcard for communications with environmental sensor support

**Installation**

- Installation/Rackmount of VRC100KIT, rPDU's, and UPS System

**Total:** **\$ 20,200.00**



## **Design points for discussion**

- Macomb County Public Works provides Battery Backup and PDU that can accommodate this solution.
- We assume Rack Space is available. Racks quoted upon request.
- Customer mounting physical equipment.
- Patch cords: customer responsibility, quoted upon request.
- Remote access will be facilitated by customer deployment engineer

## **PROFESSIONAL SERVICES:**

Scope assumes someone from Macomb County Public Works assists with the project. Hours subject to change depending on exact project scope. The following is an estimate based on similar projects.

- Project plan and scheduling
- Equipment prep/software firmware updates
- Physical deployment of equipment
- Equipment integration
- Server installation and configuration
- Migration from existing R630 servers
- Firewall installation and configuration
- System documentation and Visio's
- Performance tuning
- Knowledge transfer and optimization
- Project management

**Professional Services Total: 124 hours (62 hours - Chapaton; 62 hours - Clintondale)**

Senior LAN Technician @ \$165.00 per hour **\$ 20,460.00**

**CHAPATON - PRICING SUMMARY**

Qty	Item	Unit Price	Extended
2	Dell PowerEdge R650 Servers with 5 Year Support	\$17,129.00	\$34,258.00
2	Dell S4128F Switches with 5 Year Support	\$11,978.00	\$23,956.00
1	SonicWall NSA 2700 w/Total Secure Essential Edition 3 Year	\$5,865.00	\$5,865.00
1	SonicWall NSA 2700 High Availability Secondary Firewall	\$1,858.00	\$1,858.00
1	SonicWall Stateful HA upgrade for NSA 2700 HA pair	\$586.00	\$586.00
1	Datacenter Rack and UPS 120V with installation	\$20,200.00	\$20,200.00
62	Professional Services: Senior LAN Technician per Hour	\$165.00	\$10,230.00

EQUIPMENT:	<b>\$86,723.00</b>
PROFESSIONAL SERVICES:	<b>\$10,230.00</b>
MI SALE TAX:	EXEMPT
<b>TOTAL:</b>	<b>\$96,953.00</b>

**CLINTONDALE - PRICING SUMMARY**

Qty	Item	Unit Price	Extended
2	Dell PowerEdge R650 Servers with 5 Year Support	\$17,129.00	\$34,258.00
2	Dell S4128F Switches with 5 Year Support	\$11,978.00	\$23,956.00
1	Dell S3148P Switch with 5 Year Support	\$6,870.00	\$6,870.00
1	SonicWall NSA 2700 w/Total Secure Essential Edition 3 Year	\$5,865.00	\$5,865.00
1	SonicWall NSA 2700 High Availability Secondary Firewall	\$1,858.00	\$1,858.00
1	SonicWall Stateful HA upgrade for NSA 2700 HA pair	\$586.00	\$586.00
1	Datacenter Rack and UPS 120V with installation	\$20,200.00	\$20,200.00
62	Professional Services: Senior LAN Technician per Hour	\$165.00	\$10,230.00

EQUIPMENT:	<b>\$93,593.00</b>
PROFESSIONAL SERVICES:	<b>\$10,230.00</b>
MI SALE TAX:	EXEMPT
<b>TOTAL:</b>	<b>\$103,823.00</b>

Quote Valid for 20 days. Prices subject to change with notice depending on current market conditions. Terms: 50% Upon Acceptance, 25% Upon Delivery, Remainder Net 30. Restocking Fee of 25% plus shipping fee for returned merchandise.  
 UPS not included. No returns on software or software licenses. Credit card payment add 4%.

Authorized Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Purchase Order No: \_\_\_\_\_



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: Board Members of the following Drainage Districts:  
 - Eight and One Half Mile Relief Drain Drainage District (8MRDDD)  
 - Macomb Interceptor Drain Drainage District (MIDDD)

From: Vincent Astorino, Operations & Flow Manager

Date: June 13, 2022

Subject: 2023 Interceptor Inspection Program – Consultant Recommendation

Macomb County Public Works Office (MCPWO), on behalf of the two Drainage Districts noted above, has requested consultant proposals to administer the 2023 Interceptor Inspection Program. This program will consist of routine televising and inspection of the large interceptors throughout these systems. Given the recent pipe failures within the Romeo Arm Interceptor, sonar and laser scanning will also be performed in this reach. Inspections of non-reinforced concrete pipe occurs every three (3) years and reinforced concrete pipe every six (6) years. Furthermore, the inspections within the MIDDD are in accordance with the Administrative Consent Order (ACO-004875) entered by the MIDDD with the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Approximately 26 miles of pipe ranging from 3-feet to 12-feet in diameter will be inspected across both districts as part of this project.

MCPWO staff identified several firms that were believed to be willing to and capable of performing the professional services associated with this project. Formal technical proposals were not requested since a) the credentials of the firms were already known as they were pre-selected and b) the project is largely administrative in nature with little opportunity for creative design ideas to be presented. The general scope of work requested of the proposers was to prepare contract documents, assist with bidding, and provide construction oversight for the Program.

On June 3, 2022, MCPWO received proposals from all five firms that were contacted with the cost proposals summarized as follows:

Firm	Task 1 - MIDDD	Task 2 - 8MRDDD	Total
AEW	\$127,730	\$128,487	\$256,216
FKE	\$180,983	\$117,905	\$298,888
HRC	\$136,460	\$138,860	\$275,320
NTH	<b>\$81,549</b>	<b>\$81,507</b>	<b>\$163,056</b>
SDA	\$236,968	\$157,320	\$394,288
<b>Budgeted Amount</b>	<b>\$1,700,000</b>	<b>\$500,000</b>	

\*NTH was contacted on 6/6/22 and several revisions were requested to the assumptions section of their proposal

**OFFICE LOCATION:** 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933  
**ENGINEERING** • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264

While the proposed fees varied considerably, MCPWO staff believes all proposers understood the objectives of the project. Only a short 1-2 page cover letter was requested of the proposers. Within these letters some creative ideas and unique firm credentials were presented, however, nothing was deemed significant enough to justify proceeding with a higher cost firm (especially considering the second highest proposed fee was more than \$90,000 higher than the lowest). The evaluation of the cover letters was done merely as a cursory review of the firm credentials and no formal scoring matrix was prepared. The recommendation presented below is purely cost-based.

**MCPWO staff is recommending the following action:**

**That the 8MRDDD board award the contract to NTH Consultants, Ltd. in the total not-to-exceed amount of \$81,507 to prepare, bid, and administer the work associated with the 2023 Interceptor Inspection Program within the 8MRDDD.**

and,

**That the MIDDD board award the contract to NTH Consultants, Ltd. in the total not-to-exceed amount of \$81,549 to prepare, bid, and administer the work associated with the 2023 Interceptor Inspection Program within the MIDDD.**

MCPWO staff is confident that NTH will be able to perform the work for the proposed fee. NTH's engineering contract and the subsequent construction bid form(s) will be structured by Task and Subtask to so that each District will only be invoiced for work performed in the respective District. Upon board approvals, MCPWO staff will coordinate with NTH to finalize a contract.

Attachments: NTH Proposal Letter Dated 06-03-22 (rev. 06-06-22)



Mr. Steve Wagner, Engineer II  
Macomb County Public Works Office  
21777 Dunham Road  
Clinton Township, Michigan 48036

June 3, 2022  
NTH Proposal OP22000325  
**(Revised June 6, 2022)**

**RE: Proposal for Professional Engineering Services  
2023 Interceptor Inspection Program  
MCPWO Project Number: WWS-2022-005  
Project Management and Oversight**

Dear Mr. Wagner:

NTH Consultants, Ltd. (NTH) is uniquely qualified to successfully deliver your 2023 Interceptor Inspection Program detailed in the Request for Proposal letter dated May 3, 2022, and Addendum No. 1 dated May 25, 2022. Using experience built over our 53 years as a leader in the water / wastewater infrastructure space, NTH's team of professionals have the technical skills, depth of understanding, and resources to ensure a successful project that will be completed on-time and within budget for the Macomb County Public Works Office (MCPWO).

We understand the MCPWO desires to maintain their sewer systems to mitigate against future failures while considering a maintenance approach that provides the best overall value to the health of the system and the communities that it serves. As such, we will carefully monitor the inspection process in real time to properly identify critical defects which may lead to further deterioration or failures. Any such critical defects observed will be immediately identified and communicated to the MCPWO project manager to allow the defects to be addressed in a timely manner. In addition, the final end-of-project memorandum will include prioritization of defects and repair recommendations to make certain that critical defects can be addressed in the early stages of the County's future repair program.

The key personnel that NTH will rely on to successfully deliver this project are unquestionably qualified and experienced, distinguishing NTH from competing firms and ensuring the best value for the County on this project. John Kosnak, P.E. will serve as the NTH Project Manager for this project. Mr. Kosnak has been a certified NASSCO PACP/MACP/LACP user since 2006 and has been involved in numerous sewer rehabilitation projects within Macomb County. Joel Schanne, P.E. will assist Mr. Kosnak in overseeing the review of the inspection videos and logs as well as the development of the end-of-project memorandum. Mr. Schanne has been NASSCO PACP/MACP/LACP certified since 2016 and has performed CCTV inspection for the Oakland-Macomb Interceptor Drain sewer system for the past two inspection cycles. Jason Edberg, P.E. will serve as the NTH Technical Advisor, leveraging his sewer repair experience that began with the 2004 repair of the Romeo Arm Interceptor.

For the Sub-Task 1 (Contract Documents) phase, we will utilize the available information from Macomb County including record drawings, CAD files, GIS base maps, and other data to prepare sewer plan and profile sheets as well as the information tables as outlined in the RFP. We do not anticipate the need for any field work to complete this task. Tables will be included with the drawings to list the applicable manhole and pipeline information including sizes, lengths, and depths based on available data. The Sub-Task 1 Bid Package will be completed for advertising on MITN by December 30, 2022.

NTH currently has 8 certified PACP/MACP/LACP users who will be available as needed for Sub-Task C (inspection) of this project. Our field representatives will document the CCTV contractor’s progress as well as review the inspection videos in real time to ensure the contractor properly records the observed defects within the sewer system. As a value-added service to our clients, our engineers typically perform a visual inspection of the assessable portion of the manholes within the system and will document any serious defects which may affect the structural capacity of the manhole structures. We will document this information in a spread sheet which will be included in the end-of-project memorandum.

Once the data is gathered, an updated Probability of Failure / Consequence of Failure / Business Risk Exposure analysis will be performed in accordance with NASSCO’s PACP Guidelines. During the development of the analysis, we will involve the MCPWO staff through a workshop to discuss the areas of concern. This information will be color coded in the data table such that MCPWO staff can easily identify the areas requiring the most urgent attention. If any critical defects are noted during the inspection process, the MCPWO staff will be notified immediately of the defect and location.

Our estimated effort and the associated fees are provided in the matrix attached to this document. We have separated the hours into the 6 total sub-tasks as requested.

<b>Task</b>	<b>Task Description</b>	<b>Estimated Fee</b>
Task 1A	MIDDD Contract Documents	19,736.00
Task 1B	MIDDD Inspection Bid Support	4,184.00
Task 1C	MIDDD Inspection Oversight & Reporting	57,629.00
Task 2A	8MRDDD Contract Documents	30,746.00
Task 2B	8MRDDD Inspection Bid Support	4,864.00
Task 2C	8MRDDD Inspection Oversight & Reporting	45,897.00
<b>Total</b>		<b>163,056.00</b>

This professional fee is based on the following assumptions:

- The plan and profile drawings for the MID will be prepared using available data which includes existing CAD drawing files.
- The MCPWO will provide the available CAD drawing files for the 8-1/2 Relief Drain plan and profile. The reaches that are not available in CAD will be created using the available construction as-built data.
- The number of drawings, and man hours to produce them, is based on a scale of 1-inch equals 100 feet.

- Since no design services is being performed, only one (1) design submittal (95%) will be provided for Owner review and comments and one set of comments will be incorporated in the final Bid Package.
- The inspection field oversight is based on a 60-day inspection schedule and based on 9 hours per day which was split between the two Tasks. We will include language in the specification to protect the MCPWO against excessive overages and to guard against slower production rates.
- The Inspection Contractor will obtain their traffic control permits and develop flow control plans through a shop drawing/submittal process prior to beginning the inspection work.

Thank you for considering NTH for this project. If you have any questions about this proposal or require additional information, please contact John Kosnak, P.E. or Jason Edberg, P.E.

Sincerely,

NTH Consultants, Ltd.

DocuSigned by:  
*John R. Kosnak*  
08D80029F4504E2...

John R. Kosnak, P.E.  
Principal Engineer / Project Manager  
[jkosnak@nthconsultants.com](mailto:jkosnak@nthconsultants.com)  
(248) 662-2725

DocuSigned by:  
*Jason Edberg*  
6F5EF26DB5EB4B8...

Jason Edberg, P.E.  
Senior Vice President / Technical Advisor  
[jedberg@nthconsultants.com](mailto:jedberg@nthconsultants.com)  
(313) 237-3941

JRK/JE/mam

Proj. No.: PROP OP22000325  
 Proj. Name: MCO 2023 Interceptor Inspection Program  
 Prep. By: John Kosnak

Work Package #:   
 Work Package Name:   
 Date: 6/3/2022

Labor Discount  
 Markup:  
 Project Duration (weeks):

Task	Detailed List of Steps or Tasks Required To Complete The Scope of Services	Initials of Team Members, Classifications, and Fee Schedule Rates									Labor Cost	Cost Estimate
		Sub Expenses	NTH Expenses	JRE	JRK	JDS	CM / DV					
				Sr. Pr	Princ	SPP	SSP/AP	SP	CADD	WP		
				\$ 220.00	\$ 192.00	\$ 170.00	\$ 137.00	\$ 120.00	\$ 93.00	\$ 65.00		
<b>1</b>	<b>Subtask 1-A: MIDD Contract Documents</b>											
1.1	Prepare contract drawings using Google Earth and GIS		\$1,000		2.0	8.0			95.0		\$ -	\$ -
1.2	Create data tables (dia, depth, length...)				3.0			20.0		4.0	\$ 3,236.00	\$ 3,236.00
1.3	Prepare Spec Book - (cleaning, inspect sewer/manhole, sonar, laser, traffic,				3.0		10.0			4.0	\$ 2,206.00	\$ 2,206.00
1.4	Submittals - 60%, 90% and 100% milestones		\$200		2.0					3.0	\$ 579.00	\$ 779.00
1.5	Prepare permit applications (access / traffic control)					8.0					\$ 1,360.00	\$ 1,360.00
1.6	Project management - monthly invoices				3.0						\$ 576.00	\$ 576.00
1.8	note - time for specs and submittals split between 1-A and 2-A										\$ -	\$ -
	<b>Subtotal</b>		\$1,200		13.0	16.0	10.0	20.0	95.0	11.0	\$ 18,536.00	\$ 19,736.00
<b>2</b>	<b>Subtask 1-B MIDD Bidding</b>										\$ -	\$ -
2.1	Prepare Bid Package				2.0					4.0	\$ 644.00	\$ 644.00
2.2	Conduct prebid meeting				4.0						\$ 768.00	\$ 768.00
2.3	Answer Bidder Questions					4.0				4.0	\$ 940.00	\$ 940.00
2.4	Review Bids, verify references and provide recommendations				1.0	4.0					\$ 872.00	\$ 872.00
2.5	Conduct interviews / pre-award meeting w/ Bidders				4.0						\$ 768.00	\$ 768.00
2.6	Project management - monthly invoices				1.0						\$ 192.00	\$ 192.00
	<b>Subtotal</b>				12.0	8.0				8.0	\$ 4,184.00	\$ 4,184.00
<b>3</b>	<b>Subtask 1-C MIDD Inspection</b>										\$ -	\$ -
3.1	Conduct and summarize Kick-off meeting				4.0						\$ 768.00	\$ 768.00
3.2	Review submittals, traffic control plans, flow control plans					4.0	8.0				\$ 1,776.00	\$ 1,776.00
3.3	Review RFIs					4.0					\$ 680.00	\$ 680.00
3.4	Review Contractor's Applications for Payment				2.0		4.0				\$ 932.00	\$ 932.00
3.5	Conduct progress meetings (one virtual and one in-person per month)		\$300		9.0					3.0	\$ 1,923.00	\$ 2,223.00
3.6	Perform full-time construction observation (PACP engineer) assume 60 days (split)		\$1,500					324.0			\$ 38,880.00	\$ 40,380.00
3.7	Review CCTV and logs, incorporate data MCPWO's NEXGEN database										\$ -	\$ -
3.8	Develop Probability of Failure / Consequences of failure scores / recommendation letter				4.0	16.0	36.0			2.0	\$ 8,550.00	\$ 8,550.00
3.9	Project close out				2.0	8.0					\$ 1,744.00	\$ 1,744.00
3.10	Project management - monthly invoices				3.0						\$ 576.00	\$ 576.00
	<b>Subtotal</b>		\$1,800		24.0	32.0	48.0	324.0		5.0	\$ 55,829.00	\$ 57,629.00
<b>4</b>	<b>Subtask 2-A 8MRDDD Contract Documents</b>										\$ -	\$ -
4.1	Prepare contract drawings using Google Earth and GIS		\$500		2.0	28.0			155.0	2.0	\$ 19,689.00	\$ 20,189.00
4.2	Create data tables (dia, depth, length...)				4.0			40.0		4.0	\$ 5,828.00	\$ 5,828.00
4.3	Prepare Spec Book - (cleaning, inspect sewer/manhole, sonar, laser, traffic,				2.0		10.0			4.0	\$ 2,014.00	\$ 2,014.00
4.4	Submittals - 60%, 90% and 100% milestones		\$200		2.0					3.0	\$ 579.00	\$ 779.00
4.5	Prepare permit applications (access / traffic control)					8.0					\$ 1,360.00	\$ 1,360.00
4.6	Project management - monthly invoices				3.0						\$ 576.00	\$ 576.00
4.8	note - time for specs and submittals split between 1-A and 2-A										\$ -	\$ -
	<b>Subtotal</b>		\$700		13.0	36.0	10.0	40.0	155.0	13.0	\$ 30,046.00	\$ 30,746.00
<b>5</b>	<b>Subtask 2-B 8MRDDD Bidding</b>										\$ -	\$ -
5.1	Prepare Bid Package				2.0					4.0	\$ 644.00	\$ 644.00
5.2	Conduct prebid meeting				4.0						\$ 768.00	\$ 768.00
5.3	Answer Bidder Questions					4.0				4.0	\$ 940.00	\$ 940.00
5.4	Review Bids, verify references and provide recommendations				1.0	8.0					\$ 1,552.00	\$ 1,552.00
5.5	Conduct interviews / pre-award meeting w/ Bidders				4.0						\$ 768.00	\$ 768.00
5.6	Project management - monthly invoices				1.0						\$ 192.00	\$ 192.00
	<b>Subtotal</b>				12.0	12.0				8.0	\$ 4,864.00	\$ 4,864.00
<b>6.0</b>	<b>Subtask 2-C 8MRDDD Inspection</b>										\$ -	\$ -
6.1	Conduct and summarize Kick-off meeting				4.0		4.0				\$ 1,316.00	\$ 1,316.00
6.2	Review submittals, traffic control plans, flow control plans					4.0	12.0				\$ 2,324.00	\$ 2,324.00
6.3	Review RFIs					4.0					\$ 680.00	\$ 680.00
6.4	Review Contractor's Applications for Payment					4.0					\$ 680.00	\$ 680.00
6.5	Conduct progress meetings (one virtual and one in-person per month)		\$300		9.0					3.0	\$ 1,923.00	\$ 2,223.00
6.6	Perform full-time construction observation (PACP engineer) assume 60 days (split)		\$1,500					216.0			\$ 25,920.00	\$ 27,420.00
6.7	Review CCTV and logs, incorporate data MCPWO's NEXGEN database										\$ -	\$ -
6.8	Develop Probability of Failure / Consequences of failure scores / recommendation letter				4.0	16.0	36.0			2.0	\$ 8,550.00	\$ 8,550.00
6.9	Project close out				4.0	8.0					\$ 2,128.00	\$ 2,128.00
6.10	Project management - monthly invoices				3.0						\$ 576.00	\$ 576.00
	<b>Subtotal</b>		\$1,800		24.0	36.0	52.0	216.0		5.0	\$ 44,097.00	\$ 45,897.00
<b>Totals:</b>			\$7,000	48	98.0	140.0	120.0	600.0	250.0	50.0	\$157,556	\$163,056

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%						
		Astorino	21st Century Media - Michigan	\$ 6,663.25	Invoice #22-207 - 04.30.22	Chapaton Canal Rehab Project SRF Public Notice	
		Baker	Aloia & Associates, P.C.	\$ 522.50	Invoice #26152 - 04.01.22	9 Mile Vacation Agreement	
		Astorino	Aventric Technologies	\$ 2,360.00	Invoice #6079508 - 05.17.22	AED	
		Astorino	Consumers Energy	\$ 836.93	Invoice #SSMHM-Z0GVT - 05.06.22	Monthly Utilities 04.08.22 - 05.06.22	
		Astorino	County Of Macomb	\$ 280,290.64	Invoice #AR220462 - 05.10.22	1st Quarter Personnel and Operating Expenses	
		Astorino	De-Cal, Inc.	\$ 930.00	Invoice #WO09212436 - 12.27.21	Boiler Display Module	
		Astorino	DTE Energy	\$ 156,600.00	Invoice #22-208 - 05.17.22	Temporary Relocate Lines - 9 Mile PS	
		Astorino	DTE Energy	\$ 7,953.45	Invoice #STJNK-3DVJY - 06.02.22	Monthly Electric 04.08.22 - 05.08.22	
		Astorino	DTN, LLC	\$ 617.63	Invoice #6116847 - 04.22.22	Storm Sentry Weather Service	
		Astorino	Fire Equipment Company, Inc.	\$ 540.00	Invoice #123464 - 05.04.22	Annual Fire Extinguisher Inspection	
		Astorino	Fishbeck	\$ 10,611.25	Invoice #411413 - 05.18.22	Canal Rehab Project	\$ 81,130.09
		Astorino	FJF Door Sales Company, Inc.	\$ 2,280.00	Invoice #177591 - 04.27.22	Chapaton East New Entry Door	
		Astorino	HESCO	\$ 3,989.10	Invoice #2213650 - 05.25.22	Outfall Gate Repair	
		Astorino	Home Depot	\$ 556.31	Invoice #5031712 - 04.12.22	Chlorine Delivery Box Rebuild	
		Astorino	JCI Jones Chemicals Inc	\$ 8,609.89	Invoice #886093 - 05.23.22	Hypochlorite Solution	
		Astorino	KHVPF	\$ 1,012.50	Invoice #48243 - 05.01.22	Agreement Review	
		Manning	Macomb County Treasurer	\$ 7,280.00	Invoice #22-211 - 03.31.22	Admin Cross Charge - Reimburse General Fund	
		Astorino	Macomb County Treasurer	\$ 599.46	Invoice #22-215 - 05.31.22	9 Mile PS Site Plan Review Fee	
		Downing	Meadowbrook Insurance	\$ 100,283.55	Invoice #9652 - 04.25.25	OCIP Policy - 9 Mile PS/ISS	
		Downing	Meadowbrook Insurance	\$ 120,067.89	Invoice #9630 - 04.25.25	OCIP Policy - 9 Mile PS/ISS	
		Downing	Meadowbrook Insurance	\$ 56,033.16	Invoice #9651 - 04.25.25	OCIP Policy - 9 Mile PS/ISS	
		Downing	Meadowbrook Insurance	\$ 55,086.06	Invoice #9631 - 04.25.25	OCIP Policy - 9 Mile PS/ISS	
		Downing	Meadowbrook Insurance	\$ 53,742.50	Invoice #9650 - 04.25.25	OCIP Policy - 9 Mile PS/ISS	
		Downing	Meadowbrook Insurance	\$ 181,865.45	Invoice #9653 - 04.25.25	OCIP Policy - 9 Mile PS/ISS	
		Astorino	Motor City Electric Technologies	\$ 4,207.50	Invoice #93769 - 07.28.21	SCADA - March 2021 - As Needed	
		Astorino	Premier Safety	\$ 619.13	Invoice #04213857 - 05.17.22	Oxygen Sensor	
		Astorino	Swan Analytical Instruments	\$ 1,409.50	Invoice #CD10003262-1 - 04.26.22	TRC Testing Agents	
		Astorino	Tetra Tech, Inc.	\$ 143,657.24	Invoice #51897660 - 05.19.22	9 Mile Pump Station Design	\$ 559,070.76
		Astorino	Tetra Tech, Inc.	\$ 25,573.18	Invoice #51897666 - 05.19.22	In-System Storage Devices	\$ 1,037,626.29
Astorino	Weiss Construction	\$ 49,065.00	Invoice #WC22-04-003 - 05.27.22	CMaR Pre-Construction Services - 9 Mile PS	\$ 234,027.50		
Astorino	Wiles Sales	\$ 4,800.00	Invoice #129605 - 05.18.22	Bobcat Attachment			
<b>Total</b>				\$ 1,288,663.07			





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/19/22
4. SET ID		5. POST DATE
VP220520KB		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
21st Century Media	V01271	03	22-207	4/30/2022	\$ 6,663.25

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	90301	CC0037	90301	WO22006	8 1/2 Mile	Acc #1394881; Ad	\$ 6,663.25	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 6,663.25

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
 Macomb Daily Ad run 4/1 - 4/30

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile</u> 31. Project Balance: _____ 32. Staff Date: <u>6/3/2022</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	---

21st Century Media - Michigan  
 PO Box 8003  
 Willoughby, OH 44096-8003



Address Service Requested

6760000039 PRESORT PBPS001 <B>



8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRIC  
 FINANCE DEPT  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP MI 48036-1005

22-207

21ST CENTURY MEDIA - MICHIGAN  
 PO BOX 8003  
 WILLOUGHBY, OH 44096-8003

BILLING PERIOD	ADVERTISER/CLIENT NAME	
04/01/22 - 04/30/22	8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRIC	
CURRENT DUE	TOTAL AMOUNT DUE	ACCOUNT #
\$6,663.25	\$6,663.25	1394881
TERMS OF PAYMENT	AMOUNT ENCLOSED	
Due Upon Receipt		



REMITTANCE PORTION ABOVE: DETACH AND RETURN ABOVE PORTION WITH YOUR PAYMENT

**ADVERTISING INVOICE / STATEMENT**

PREVIOUS BALANCE

0.00

DATE	DESCRIPTION	AD #	X's	UNITS / QTY / SIZE	RUN DATES	NET AMT
04/30/22	Macomb Daily	2306247	30	3.12	4/1/2022 4/30/2022	
04/01/22	macombdaily.com2	2306247	1	0.10	4/1/2022 4/1/2022	
04/01/22	macombdaily.com	2306247	1	0.10	4/1/2022 4/1/2022	
Subtotal - 8 1/2 Mile Relief Drain						6,663.25

*W019004 or W022006?*  
 WWS-2022-003 - Chapter Canal Rehab  
 L  
 8210017M  
 CC0037

BILLING PERIOD	ACCOUNT#	AGING CURRENT	OVER 30 DAYS	OVER 60 DAYS	OVER 90 DAYS	OVER 120 DAYS	TOTAL AMT DUE
04/01/22 - 04/30/22	1394881	\$6,663.25	\$0.00	\$0.00	\$0.00	\$0.00	\$6,663.25

To make a payment or for billing inquiries, please call 1-855-664-5860. We accept all major credit cards, ACH and electronic checks.

8 1/2 MILE RELIEF DRAIN DRAINAGE





Kellie Kource <kellie.kource@macombgov.org>

## Macomb Daily Invoice - Chapaton Canal Rehab

2 messages

**Steven Wagner** <steven.wagner@macombgov.org>

Fri, Apr 1, 2022 at 2:33 PM

To: Kellie Kource <kellie.kource@macombgov.org>

Cc: Vincent Astorino <vincent.astorino@macombgov.org>, Brian Baker <brian.baker@macombgov.org>

Kellie,

As part of the Chapaton Canal Rehab Project we are required by EGLE/SRF to publicly notice the project in a local newspaper. The ad is running in the Macomb Daily from 04/01/22-05/02/22 at a total cost of \$7,105.45.

I recall the invoicing with Media News Group being a little tricky in the past (vague, automatically generated, nondescript envelope). Although the envelope may be addressed to me I authorize finance to open and process this invoice. Please apply towards WO19004 (WWS-2022-003 - Chapaton Canal Rehab). It likely won't be for another month but I figured I'd let you know now.


Thanks and have a great weekend,

--

**Steven Wagner, P.E.**  
*Engineer II*

Macomb County Public Works Office  
21777 Dunham Road  
Clinton Township, MI 48036  
Office: 586.469.6134 | Cell: 586.524.0070

PRIVACY NOTICE: This message is intended only for the individual or entity to which it is addressed. It may contain privileged, confidential information, which is exempt from disclosure under applicable laws. If you are not the intended recipient, then please note that you are strictly prohibited from disseminating or distributing this information (other than to the intended recipient) or copying this information. If you have received this communication in error, then please notify me immediately by the email address or telephone numbers listed above.

 **E Tear Macomb Daily April 1, 2022 TMD\_DLY\_220401\_A\_002.pdf**  
985K

**Kellie Kource** <kellie.kource@macombgov.org>

Tue, Apr 5, 2022 at 8:23 AM

To: Steven Wagner <steven.wagner@macombgov.org>

Cc: Vincent Astorino <vincent.astorino@macombgov.org>, Brian Baker <brian.baker@macombgov.org>

Got it Steve, I will look out for the actual invoice!

[Quoted text hidden]

--

**Kellie Kource**  
*Drain Account Specialist*

Macomb County Public Works Office  
21777 Dunham Road  
Clinton Township, MI 48036  
586-469-5337





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP220602KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Aloia & Associates, P.C.	V25733	01	26152	4/1/2022	\$ 522.50

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	Re: 1000-25 March 2022	\$ 522.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 522.50

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>6/7/2022</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	---



**Aloia Law**  
 48 S. Main Street, Suite 3  
 Mount Clemens, MI 48043  
 586.783.3300

8 1/2 Mile Drain Drainage District  
 Attn: Brian Baker  
 Macomb County Department of Public Works  
 21777 Dunham Road  
 Clinton Township, MI 48036

## Invoice

Invoice Number	26152
Invoice Date	04/01/2022
Payment Due On	06/01/2022
<b>Amount Due</b>	<b>\$522.50</b>

8 1/2 Mile Drain Drainage District

### Fees

Date	Description	Staff	Hours	Total
03/02/2022	Telephone communication with Vince Astorino regarding Agreement to Vacate and new drawings with Boulevard Road; review email from Denise Pike; review boulevard sketch..	JMC	0.60	\$114.00
03/22/2022	Receipt and review of new Fishbeck drawings; communications with Vincent Astorino and Steve Wagner; revise Agreement to Vacate.	JMC	1.10	\$209.00
03/23/2022	Gather Exhibits to Agreement to Vacate; email to Vince Astorino and Steve Wagner; Revise Agreement to Vacate.	JMC	0.80	\$152.00
03/31/2022	Email exchange with Steven Wagner regarding Fishbeck drawings.	JMC	0.25	\$47.50
			<b>2.75</b>	<b>\$522.50</b>

Subtotal	\$522.50
Total	\$522.50
Prior Balances	\$2,303.75
Payments Since Last Invoice	-\$2,303.75
Total Balance Due	\$522.50



## Professional Fee Summary

Name	Hours	Rate	Total
JMC	2.75	\$190.00	\$522.50
<b>Total</b>	<b>2.75</b>		<b>\$522.50</b>

## Prior Balances

Date	Invoice Number	Due Date	Amount	Payments/Credits	Due
03/01/2022	25984	04/15/2022	\$2,303.75	\$2,303.75	\$0.00
<b>Total</b>			<b>\$2,303.75</b>	<b>\$2,303.75</b>	<b>\$0.00</b>

## Payment Summary

Date	Note	Paid By	Source	Amount
05/16/2022	Payment on Account	8 1/2 Mile Drain Drainage District	Check	\$2,303.75

If you would like to make a payment by credit card or electronic check/ACH, please click the link below for our secure webpage:

<https://secure.lawpay.com/pages/aloia-and-associates/trust>

For your convenience, please note that we accept Visa, MasterCard, American Express and Discover!



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

Mark A. Hackel  
County Executive

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP220602KB		

### PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Aventric Technologies	V083519	01	6079508	5/17/2022	\$ 2,360.00

### CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210017M	72621	CC0004	72621	WO18006	8 1/2 Mile Relief		AED	\$ 1,070.00	GEN		
B	8210166M	72621	CC0018	72621	WO18300	MIDDD		AED	\$ 1,290.00	GEN		0
C												
D												
E												
F												
G												

23. Total: \$ 2,360.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PW000233

25. Finance Officer: BM/kk

30. Drain: 8 1/2 Mile Relief/MIDDD

26. Chief Deputy: \_\_\_\_\_

31. Project Balance: N/A

27. Engineers: \_\_\_\_\_

32. Staff Date: 6/7/2022

28. Managers: \_\_\_\_\_

33. Board Date: 6/13/2022

29. Coordinator: \_\_\_\_\_

34. Select For Pay Date: \_\_\_\_\_

**AVENTRIC TECHNOLOGIES**  
 25916 DEQUINDRE RD SUITE B  
 WARREN, MI 48091

8.5 - \$1070  
 MID - \$1290

# INVOICE

Invoice Number: 6079508  
 Invoice Date: May 17, 2022  
 Page: 1

Voice: (248)336-2594  
 Fax: (248)542-1248

Please verify that your records have our correct address. Thank you.

Bill To:
MACOMB COUNTY PUBLIC WORKS 23001 E 9 MILE RD ST CLAIR SHORES, MI 48080

Ship to:
MACOMB COUNTY PUBLIC WORKS CHAPATON PUMP STATION 23001 E 9 MILE RD ST CLAIR SHORES, MI 48080

Customer ID	Customer PO	Payment Terms	
MACOMB COUNTY PW	PW000233	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
TOM PERNA	Hand Deliver	5/17/22	6/16/22

Quantity	Item	Description	Unit Price	Amount
2.00	861304 <i>Split 50/50 8 1/2 &amp; MID</i>	HEARTSTART FRx AED (SN B22E-01358, 01359); 8 YR WRTY; BATTERY 4 YR WRTY (INSTALL BY 12/27 LOT 01501P); 1 SET OF PADS (EXP 9/14/24 LOT 220314-0959 EST 2 YR LIFE)	1,140.00	2,280.00
1.00	989803139251	STANDARD CARRYING CASE, FRX DEFIB (ONSITE STOP SHIP PROMOTION)		
1.00	989803139311	INFANT/CHILD KEY (ONSITE STOP SHIP PROMOTION) (MFG 9/1/2021 LOT 2108080)		
<i>50/50</i> 2.00	HEARTAED CPR RESCUE	HEARTAED CPR RESCUE KIT	30.00	60.00
<i>MID</i> 1.00	C1463F12-712	15X15X7 AED CABINET AUDIBLE ALARM SURFACE MOUNT	120.00	120.00
1.00	3012394-001	3-D AED WALL SIGN		
2.00	AED DECAL	6 x 3.5 AED DECAL		
2.00	AED POSTER	AED POSTER 18 X 24		
<i>8 1/2</i> -1.00	USED ONSITE AED	USED ONSITE AED - TRADE IN SN# A18C-13822 - NEED TO PICK UP	100.00	-100.00
		USE OF HEARTAEDit (3 YR) NO CHARGE HAVE NOT CHARGED SINCE INCEPTION FREIGHT INCLUDED ONSITE STOP SHIP PROMOTION PRICING		

**All returned equipment/parts are subject to a 30% restocking fee.**

Quote No.:  
 Sales Order: HEARTAED29045 FRX Q2  
 Check/Credit Memo No:

Subtotal	2,360.00
Sales Tax	
Freight	
Total Invoice Amount	2,360.00
Payment/Credit Applied	
<b>TOTAL</b>	<b>2,360.00</b>





JP 220524KK

**ONESolution**  
 ACCOUNTS PAYABLE CHECK REQUEST  
**PUBLIC WORKS DIVISION**

SEP 20 11 57

1. PREPARED BY (Please Type) <b>Kellie Kource</b>	2. PHONE # <b>95337</b>	3. DATE <b>5/24/22</b>
4. SET ID <b>FSB Bill Pay 6/2/22</b>		5. POST DATE

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
CONSUMERS ENERGY	V01038	01	SSMHM-Z0GVT	5/6/2022	\$ 836.93

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92102	CC0004	92102	WO18006	8 1/2 Mile Relief	1000 0005 7313, 4/8-5/6	\$ 836.93	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 836.93

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile Relief
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	6/3/2022
28. Managers:		33. Board Date:	6/13/2022
29. Coordinator:		34. Select For Pay Date:	



**Questions:**  
 Visit: [ConsumersEnergy.com](http://ConsumersEnergy.com)  
 Call us: 800-805-0490

**Amount Due:** **\$836.93**  
**Please pay by:** **June 02, 2022**

In case of an emergency, call us immediately day or night at 1-800-477-5050.

CHAPTON PUMPING STATION  
 MACOMB CO DRAIN COMM  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP MI 48036-1005

▶ **Thank You** - We received your last payment of \$1,269.05 on April 27, 2022

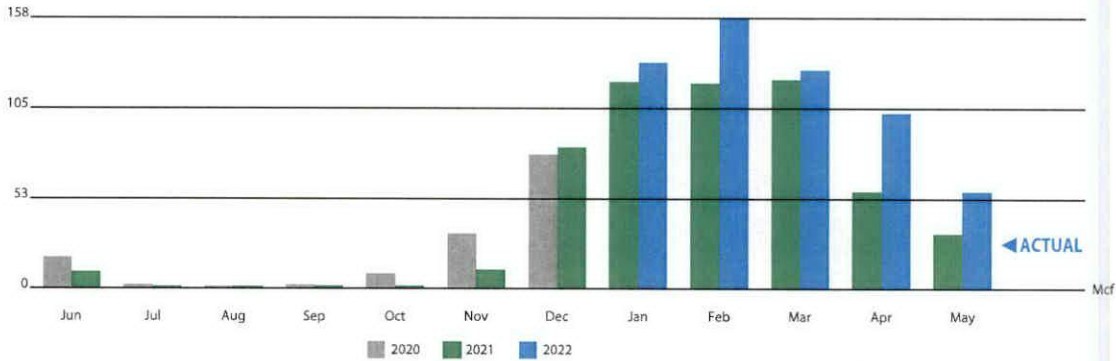
▶ **Service Address:**  
 23001 E 9 MILE RD  
 SAINT CLAIR SHORES MI  
 48080-1576

SSMHM-20GVT

**May Energy Bill**

Service dates: April 08, 2022 - May 06, 2022 (29 days)

**Total Natural Gas Use** (Mcf - thousand cubic feet)



**May Natural Gas Use**  
**57.1 Mcf**  
 May 2021 use: 32 Mcf

Cost per day:  
**\$28.86**

Mcf per day:  
**1.969**

Prior 12 months of gas use:  
**688 Mcf**

**You are participating in Gas Customer Choice with an Alternative Gas Supplier.**

Your current price is \$9.80 per Mcf, which is determined by the supplier you have chosen and may include more than the gas commodity. Consumers Energy's gas commodity price, regulated by the Michigan Public Service Commission, is \$5.52 per Mcf. This is listed under Natural Gas Charges on the back. **Questions?** Call your supplier at 800-296-2203 or call us at 800-477-5050.

Learn more about Gas Customer Choice and compare prices at [www.Michigan.gov/CompareMIGas](http://www.Michigan.gov/CompareMIGas)



**Protecting the Environment**

Our Environmental Policy is a promise to keep priorities in check. That means providing you with reliable energy while keeping our environment protected for generations to come. Find out more at [www.ConsumersEnergy.com/community/sustainability/environment](http://www.ConsumersEnergy.com/community/sustainability/environment)

Fold, detach and mail this portion with your check made payable to Consumers Energy. Please write your account number on your check.



**You can pay your bill by mail, by phone or online**  
 See reverse side for more information

Account: 1000 0005 7313

**Service Address:**  
 MACOMB CO DRAIN COMM  
 23001 E 9 MILE RD  
 SAINT CLAIR SHORES MI 48080-1576

**PAYMENT CENTER**  
 PO BOX 740309  
 CINCINNATI OH 45274-0309

**Amount Due:** **\$836.93**  
**Please pay by:** **June 02, 2022**

▶ **Enclosed:**



Need to talk to us? Visit [ConsumersEnergy.com](http://ConsumersEnergy.com)  
or call **800-805-0490**  
Hearing/speech impaired: Call 7-1-1

**Service Address:**  
23001 E 9 MILE RD; SAINT CLAIR SHORES  
MI 48080-1576  
Account: **1000 0005 7313**

## Account Information

Bill Month: May  
Service dates: 04/08/2022 - 05/06/2022  
Days Billed: 29  
Portion: 12 05/22

## Rate Information

Gas Gen Serv Rate GS-2 - Com Cust Choice  
Rate: 278

## Meter Information

Your next scheduled meter read  
date is on or around 06/09/2022

### Gas Service:

AMR Meter  
Meter Number: 96482875  
POD Number: 0000003537725  
Beginning Read Date: 04-08  
Ending Read Date: 05-06  
Beginning Read: 13284  
Ending Read: 13849 (Actual)  
Differential: 565  
Constant: 0.1  
Correction factor: 1.01028  
Usage: 57.1 Mcf

Total Metered Energy Use: 57.1 Mcf

## May Energy Bill

Invoice: 201719308426

### Account Summary

Last Month's Account Balance	\$1,269.05
Payment on April 27, 2022	\$1,269.05-
<b>Balance Forward</b>	<b>\$0.00</b>

Payments applied after May 11, 2022 are not included.

### Natural Gas Charges

Customer Charge		\$91.63
Gas Distribution	57.1@ 3.252600	\$185.72
<b>Kratos Gas &amp; Power (800/296-2203)</b>		
Supplier Charge KR1	57.1@ 9.800000	\$559.58
<b>Total Natural Gas</b>		<b>\$836.93</b>

<b>Total Energy Charges</b>	<b>\$836.93</b>
-----------------------------	-----------------

<b>Amount Due:</b>	<b>\$836.93</b>
--------------------	-----------------

by June 02, 2022

If you pay after the due date, a 2% late payment charge  
will be added to your next bill.

Please make any inquiry or complaint about this bill before the due date listed on the front.  
Visit [ConsumersEnergy.com/aboutmybill](http://ConsumersEnergy.com/aboutmybill) for details about the above charges.

## NEWS AND INFORMATION

**Compare natural gas prices** among Consumers Energy and other gas providers at [www.Michigan.gov/CompareMIGas](http://www.Michigan.gov/CompareMIGas).

**Understanding Your Gas Bill: Gas cost recovery** covers the cost of the natural gas per thousand cubic feet (Mcf). This charge may change each month to reflect changes in the market price of gas. Consumers Energy does not make a profit on the

natural gas, so we charge customers only what we pay for the gas. More at [www.ConsumersEnergy.com/ratesbiz](http://www.ConsumersEnergy.com/ratesbiz).

Consumers Energy is regulated by the Michigan Public Service Commission, Lansing, Michigan

## Ways to pay your energy bill:



**Auto-pay**  
Checking or savings  
**Auto-pay**  
Discover® MasterCard®  
or Visa®  
(Eligibility varies)



**eLockbox**  
via ACH  
Secure electronic  
payment with  
emailed remittance



**Same-day payment**  
[ConsumersEnergy.com](http://ConsumersEnergy.com)  
Discover® MasterCard®  
or Visa® or eCheck



**Same-day payment**  
866-329-9593  
Discover® MasterCard®  
or Visa® or eCheck



**By mail**  
Check, money order  
Consumers Energy  
Payment Center  
P.O. Box 740309  
Cincinnati, OH 45274-0309



**In person**  
Cash, check, card  
or money order  
Varies by authorized  
payment location  
Fee may apply





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST  
PUBLIC WORKS DIVISION

PREPARED BY	PHONE NUMBER	DATE
Kellie Kource	95337	5/25/2022
SET ID	POST DATE	
VP220526KA		

**PARENT RECORD INFORMATION**

VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT
County of Macomb	V01085	06	AR220462	5/10/2022	\$ 621,203.26

**CHILD RECORD DETAIL INFORMATION**

GENERAL LEDGER		JOB LEDGER		WORK ORDER NUMBER	DRAIN NAME	DESCRIPTION	AMOUNT	DIV	MISC	SEP CK
ORG KEY	OBJECT	COST CENTER	OBJECT							
8210166M	72100	CC0018	72100	WO18300	MIDDD	Personnel 1st Quarter 2022	\$ 255,617.38	IFIN	MC1	
8210166M	99101	CC0018	99101	WO18300	MIDDD	Operating 1st Quarter 2022	\$ 7,235.07	IFIN	MC1	
8210017M	72100	CC0004	72100	WO18006	8 1/2 Mile Relief	Personnel 1st Quarter 2022	\$ 277,441.27	IFIN	MC1	
8210017M	99101	CC0004	99101	WO18006	8 1/2 Mile Relief	Operating 1st Quarter 2022	\$ 2,849.37	IFIN	MC1	
8713018M	72100				SEMCWWDS	Personnel 1st Quarter 2022	\$ 31,144.15	IFIN	MC1	
8713018M	99101				SEMCWWDS	Operating 1st Quarter 2022	\$ 379.92	IFIN	MC1	
8210072M	72100				Martin	Personnel 1st Quarter 2022	\$ 45,966.22	IFIN	MC1	
8210072M	99101				Martin	Operating 1st Quarter 2022	\$ 569.88	IFIN	MC1	
							<b>TOTAL: \$</b>	<b>621,203.26</b>		

**COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:**

1st Quarter 2022 Personnel/Operating

<p>Finance Manager: _____ BM/kk</p> <p>Chief Engineer: _____</p> <p>Engineer(s): _____</p> <p>Manager(s): _____ 62</p> <p>Coordinator: _____</p>	<p>Drain: _____ Multiple</p> <p>Project Balance: _____ N/A</p> <p>Staff Date: _____ <del>6/3/2022</del> 6/7/22</p> <p>Board Date: _____ 6/13/2022</p> <p>Select for Pay Date: _____</p>
--	---



Macomb County Finance Department  
 120 N. Main Street, 2<sup>nd</sup> Floor  
 Mt. Clemens, MI 48043

**PUBLIC WORKS OFFICE  
 ATTN: BRUCE MANNING  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP, MI 48036**

SEE REVERSE SIDE FOR OPENING INSTRUCTIONS

SEE REVERSE SIDE FOR OPENING INSTRUCTIONS

Email Address:

Invoice Date  
 05/10/2022

Invoice  
 AR220462

REF DATE	DESCRIPTION	AMOUNT
05/10/2022	1ST QTR 22 CHAPOTON-PERSONNEL	198,770.35
05/10/2022	1ST QTR 22 CHAPOTON-OPERATING	3,799.17
05/10/2022	1ST QTR 22 WASTE WTR-PERSONNEL	411,398.67
05/10/2022	1ST QTR 22 WASTE WTR-OPERATING	7,235.07
<b>Charges</b>		<u>621,203.26</u>
<b>Amount Due</b>		<u><u>621,203.26</u></u>

\*\*\*\*\* PLEASE RETURN THIS PORTION WITH YOUR PAYMENT \*\*\*\*\*

Finance Department Contact Number:  
 (586) 469-5251

Tax ID # / EIN Number:  
 38-6004868

Payment Terms:  
 Due Upon Receipt

Please email any questions about your account to:  
 Accounting@MacombGov.Org

Customer Number: DPWK BA

Please remit your payment to:  
 COUNTY OF MACOMB  
 FINANCE DEPARTMENT  
 120 NORTH MAIN STREET, 2nd FLOOR  
 MOUNT CLEMENS, MI. 48043-5622

Invoice Number: AR220462

Invoice Date: 05/10/2022

Amount Due: \$621,203.26

N112



ONESolution

# INVOICE REQUEST

Mark A. Hackel  
County Executive

Prepared By: (Please Type)	Phone #	Requesting Department	Prepared Date
A. Grange	95182	Finance	4/22/2022

*Alice Grange* 4/22/22  
Signature of Preparer  
*AA 5-3-22*

CUSTOMER / VENDOR INFORMATION				
Customer / Vendor Name	Customer / Vendor ID	ADDR Code	Invoice Date	Invoice Amount
Public Works	DPWK	BA	<del>4/22/2022</del>	\$ 621,203.26

ITEM DETAIL INFORMATION				
Line	General Ledger		Description (MAX = 30 CHARACTERS)	Amount
	Org Key	Object		
A	10144130	67719	1st QTR 22 Chapoton - Personnel	\$ 198,770.35
B	10144130	67719	1st QTR 22 Chapoton - Operating	\$ 3,799.17
C	10144150	67719	1st QTR 22 Waste Wtr - Personnel	\$ 411,398.67
D	10144150	67719	1st QTR 22 Waste Wtr - Operating	\$ 7,235.07
E				
F				
G				
H				
I				
J				
				\$ 621,203.26

**Special Instructions:**  
Please included attached income statements with the invoice.

FOR FINANCE USE ONLY			
SET ID	POST DATE	ENTERED BY:	Invoice Number
ARB22022B	5/10/22	Karen	AR220462



1st Quarter Personnel and Operating Costs 2022

	Chapaton Personnel	Chapaton Operating	WW Personnel	WW Operating	3018 OP.	3018	0072 OP	0072	Total
Invoice Totals	198,770.35	3,799.17	\$411,398.67	\$7,235.07		\$17,057.13			\$621,203.26
Due from SECWWDS	(17,057.13)								
Due from Martin	(25,585.70)							\$25,585.70	
Due from 8.5 Mile	67,620.97		(67,620.97)						1 thru 5
Due from Martin			(13,524.19)					\$13,524.19	1 thru 5
Due from SECWWDS			(9,016.13)						6 thru 8
Due from SECWWDS						\$9,016.13			6 thru 8
Due from Martin	(596.74)					\$596.74			6 thru 8
Due from Martin	(895.11)							\$895.11	Nexgen-9
Due from Martin	(141.22)							\$141.22	Nexgen-9
Due from SECWWDS	(94.15)					\$94.15			12 Admin
Due from Martin								\$3,340.00	12 Admin
Due from SECWWDS			(3,340.00)						Field 13
Due from 8.5 Mile			(2,730.00)						Field 13
Due from SECWWDS	\$52,020.00					\$2,730.00			Field 13
Due from Martin									Int. Srv.
Due from 8.5 Mile	\$12,400.00								Int. Srv.
Due from SECWWDS								\$569.88	clerical
Due from Martin									clerical
Due from 8.5 Mile			(12,400.00)						clerical
Due from SECWWDS			(1,650.00)					\$1,650.00	clerical
Due from Martin			(2,480.00)						clerical
Due from MIDD	(\$9,000.00)		9,000.00						Annual non- ww
Totals	\$277,441.27	\$2,849.37	\$255,617.38	\$7,235.07	\$379.92	\$31,144.15	\$569.88	\$45,966.22	\$621,203.26

	Personnel	Internal Srv.
0166	72100	99101
0017	\$255,617.38	\$7,235.07
3018	\$277,441.27	\$2,849.37
0072	\$31,144.15	\$379.92
	\$45,966.22	\$569.88
total	\$610,169.02	\$11,034.24



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/19/22
4. SET ID		5. POST DATE
VP220520KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
De-Cal, Inc.	V59694	01	WO9212436	12/27/2021	\$ 930.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	PW000212; #721211	\$ 930.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 930.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
 Install new boiler display module

25. Finance Officer: <u>BM/kk</u>	30. Drain: <u>8 1/2 Mile</u>
26. Chief Deputy: _____	31. Project Balance: <u>N/A</u>
27. Engineers: _____	32. Staff Date: <u>6/3/2022</u>
28. Managers: _____	33. Board Date: <u>6/13/2022</u>
29. Coordinator: _____	34. Select For Pay Date: _____

page



**DE-CAL, Inc.**  
24659 Schoenherr Rd.  
Warren, MI 48089-4775  
Service Phone: 586-619-0281  
Service Fax: 586-486-5242

# Service Invoice

Invoice #: WO9212436

Date: 12/27/2021

**Billed To:** Macomb County Chapaton  
23001 E. 9 Mile Rd.  
St. Clair Shores MI 48080  
Attn: Accounts Payable

**Location:** Macomb Chapaton Pumping  
23001 E. 9 Mile Rd.  
St. Clair Shores MI 48080

<b>Client PO#:</b> PW000212	<b>Employee:</b> Rob Murphy	<b>Due Terms:</b> 30DY
-----------------------------	-----------------------------	------------------------

Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		Quoted Price	1.0000	930.000000	930.00	N

**Notes:**  
Boiler Display Module

De-Cal Service Group is a division of De-Cal, Inc.

Please Make Checks Payable to: De-Cal, Inc.

Thank you for your prompt payment!

<b>Amount Due: \$</b>	<b>930.00</b>
-----------------------	---------------





24659 Schoenherr Rd.  
Warren, MI 48089  
586.619.0281  
586.754.4371 fax

**PROPOSAL**

Quote #721211

Date 11/12/2021

**Macomb Chapaton Pump Station**  
23001 E 9 Mile Rd.  
Saint Clair Shores, MI

Attention: Kris Benda & Vince Astorino  
Email: [Kristopher.benda@macombgov.org](mailto:Kristopher.benda@macombgov.org)  
[Vince.astorino@macombgov.org](mailto:Vince.astorino@macombgov.org)  
Phone # 586-480-9368  
Project Name: Boiler Display module

**- Description of work -**

- Provide all labor and material to
  - Provide and install new Boiler display module so we can complete the CSD-1 inspection
  - Check, test and start by certified technician
  - All labor to complete project

Quotation: Valid for 30 days  
Payment Terms: Net 30 days

- Exclusions – Electrical, overtime, additional parts other than listed above, site conditions that would cause delay to the above work & any other service work other than listed above.

The above work will be done in a safe and workmanlike manner for the sum of \$930.00

Upon Approval, Please Sign and Return: Signature: KRB  
Date: 11-15-21

Respectfully submitted,

Gerald Whitby

Service coordinator  
(Office) 586-619-0281  
(Cell) 248-941-4589  
[gwhitby@de-cal.com](mailto:gwhitby@de-cal.com)

Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. \*This proposal does not constitute an agreement.



**PURCHASE ORDER NO.**

**PW000212**

PURCHASE ORDER NUMBER MUST  
APPEAR ON ALL INVOICES AND SHIPPING  
DOCUMENTS

Vendor: **V59694**  
DE CAL INC  
  
24659 SCHOENHERR  
WARREN, MI 48089

Ship To: **DPWK**  
PUBLIC WORKS OFFICE  
CHAPATON PUMP STATION  
23001 9 MILE ROAD  
SAINT CLAIR SHORES MI 48080

Requested by: Michelle Houvener Req. Dt: 11/15/2021

ITEMS								
ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE	
0001	8210017M	93001	Provide labor and material to install new Boiler display module	1.00		930.00	930.00	

TOTAL \$930.00

**BILL TO:**  
MACOMB COUNTY PUBLIC WORKS  
FINANCE DEPARTMENT  
21777 DUNHAM ROAD  
CLINTON TOWNSHIP, MI 48036

*Bruce Manning/mh*  
AUTHORIZED AGENT

Print Date: 11/15/2021



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/25/22
4. SET ID		5. POST DATE
VP220526 KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	15	22-208	5/17/2022	\$ 156,600.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80126	CC0034	80126	WO21018	8 1/2 Mile	Agreement No 64918167	\$ 156,600.00	IPWK		
B											
C											
D											
E											
F											
G											

23. Total: \$ 156,600.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

**Agreement to relocate the overhead lead**

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u><del>6/3/2022</del> 6/7/22</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	--



8,58210017M CC0004

IPWR

80126

W021018

43230 Elizabeth Rd  
Clinton Township, MI 48036



Tuesday, May 17, 2022

MACOMB COUNTY  
Charles Groover  
23001 E 9 Mile Rd  
Saint Clair Shores, MI 48082

**Regarding: 23001 E 9 Mile Saint Clair Shores**

Enclosed are two (2) copies of the Accounts Receivable Agreement for your signature. The payment for this work is \$156,600.00 based on:

Macomb County Public Works is requesting DTE to relocate the overhead lead located at LS 9 Mile Road from 9PE Jefferson Avenue to 10PE Jefferson Avenue in order perform work on 9 Mile Chapaton Pump Station. DTE will temporarily relocate the existing lead approximately 130 feet to the South near the tree line. After the Macomb County Public Works project is completed, the overhead lead will be relocated back to its original spot. The customer is responsible to aid DTE in acquiring easements from other property owners where DTE facilities must be installed in order to relocate the overhead lead. If easements are not acquired, alternate routes must be evaluated and reviewed which could impact schedule and cost to customer. In addition, the customer is responsible to pay any bonds or escrows required by municipalities where DTE facilities must be installed in order to relocate poles and primary, if applicable. DTE shall not be liable for any damages, costs or expenses related to

Please return the signed agreement to me with a check made payable to DTE Energy. Keep the "Customer Copy" document for your records. To ensure proper credit, the Agreement number should be indicated on your remitted check. When we receive the signed agreement and your check, we will proceed to schedule the work.

If you have any questions regarding this job, please feel free to contact me at the phone number or e-mail address indicated below.

Sincerely,

Robert Mazey  
Associate Planner

[robert.mazey@dteenergy.com](mailto:robert.mazey@dteenergy.com)

enclosures:  
Two copies of the Accounts Receivable Agreement



Accounts Receivable Agreement  
No. 64918167

"DTE Energy" and "Customer" make this agreement for consideration of the promises in the Agreement.

**"DTE Energy" is:**

The DTE Energy Company  
43230 Elizabeth Rd  
Clinton Township, MI 48036

**"Customer" is:**

MACOMB COUNTY  
Charles Groover  
23001 E 9 Mile Rd  
Saint Clair Shores, MI 48082

**Background Statement:** Customer requests DTE Energy to perform the work indicated below in the vicinity of 23001 E 9 Mile Saint Clair Shores. To do this, DTE Energy requires that payment be made in the amount indicated below. Under Michigan Public Service Commission rules, DTE Energy is permitted to require payment before performing this work.

---

**DTE Energy and Customer agree to the following terms:  
See details of this contract under the Terms and Conditions section**

Payment for the requested work is \$156,600.00.

The type of work to be performed:

Macomb County Public Works is requesting DTE to relocate the overhead lead located at LS 9 Mile Road from 9PE Jefferson Avenue to 10PE Jefferson Avenue in order perform work on 9 Mile Chapaton Pump Station. DTE will temporarily relocate the existing lead approximately 130 feet to the South near the tree line. After the Macomb County Public Works project is completed, the overhead lead will be relocated back to its original spot. The customer is responsible to aid DTE in acquiring easements from other property owners where DTE facilities must be installed in order to relocate the overhead lead. If easements are not acquired, alternate routes must be evaluated and reviewed which could impact schedule and cost to customer. In addition, the customer is responsible to pay any bonds or escrows required by municipalities where DTE facilities must be installed in order to relocate poles and primary, if applicable. DTE shall not be liable for any damages, costs or expenses related to

In return for the above payment, The DTE Energy Company agrees to perform the requested work, providing all necessary permits and rights-of-way can be secured. This job will not be scheduled until DTE Energy receives payment for the above work.

Notwithstanding anything herein to the contrary, the installation, ownership, and maintenance of electric services and the rates, fees, and charges to be made shall be subject to and in accordance with the orders and rules and regulations adopted and approved from time to time by the Michigan Public Service Commission.

DTE Energy:(sign) Ronarro L Cleveland /s/ Title: Supervisor Date: 5-17-2022  
Ronarro L Cleveland

Customer:(sign) Candice S. Miller (print) Candice S. Miller Date: 5-19-2022  
(sign) \_\_\_\_\_ (print) \_\_\_\_\_ Date: \_\_\_\_\_



**Terms and Conditions**  
**Accounts Receivable Agreement**

1. **MPSC Rules** - This Agreement is subject to the Michigan Public Services Commission ("MPSC") Rules, including but not limited to, Rule C6.1, "Extension of Service", Rule C6.2, "Overhead Extension Policy", Rule C6.3, "Underground Distribution Systems"; and Rule C6.5 "Miscellaneous Customer Requests", which are incorporated herein by reference.
2. **Description of Work** - DTE Energy or one of its contractors shall install or remove the underground or overhead conductors and any associated overhead or underground equipment required for the request, (collectively, the "Work"). DTE Energy will only install electric service and is not responsible for any other utility service including, but not limited to, cable television, or other communication services. Customer shall contact those companies responsible for the installation of services other than electrical service.
3. **Customer Staking Requirements**
  - a. Prior to commencement of the Work, Customer shall visually identify, by either exposing or clearly staking through the use of flags or other appropriate identification device, all private underground property, including but not limited to:
    - a. private electrical lines
    - b. sprinkler systems
    - c. invisible fences
    - d. swimming pool hardware
    - e. septic tanks and fields
    - f. fiber optic lines
    - g. security systems
    - h. heated sidewalk and driveway equipment
    - i. burial sites of pets
    - j. geothermal systems
    - k. private water mains and lines
    - l. solar power equipment
    - m. privately owned gas
    - n. propane and petroleum lines
    - o. any other underground equipment not previously listed.
  - b. If Customer refuses the route suggested by DTE Energy for the Work and requests an alternative route, which is mutually agreed to by Customer and DTE Energy, Customer shall stake the alternative route as provided in paragraph 3(a) above.
  - c. If Customer fails to clearly stake all private underground property, then Customer releases DTE Energy from any and all liability for property damage related to the installation, operation or maintenance of the Work, including, but not limited to, loss of trees, shrubs or other landscape.
4. **Total Payment** - By executing this Agreement, Customer agrees to pay DTE Energy the "Total Payment" calculated on page 1 of this agreement.
5. **Termination prior to Commencement of Work** - If Customer fails to complete any obligations under this Agreement within six (6) months from the date DTE Energy receives full payment or the Total payment, then, upon written notice, DTE Energy may cancel this Agreement and a refund may be issued to Customer, less all reasonable costs incurred by DTE Energy.
6. **Failure to Execute Agreement; Changes to Agreement:** If the Customer fails to execute this Agreement and pay the Total payment due to DTE Energy within six (6) months of the date of this Agreement, then this Agreement shall become null and void. Further, Customer shall not make any changes to this Agreement, including but not limited to handwritten changes or striking any language. In the event Customer makes any changes to this Agreement without the specific written consent of DTE Energy, then this Agreement shall become null and void.
7. **Damages and Limitation on Liability** - If Customer, its contractors, agents, and/or employees cause damage to the Work, then Customer shall reimburse DTE Energy for all costs related to that damage. DTE Energy reserves the right to retain portions of the Refundable Construction Advance to offset such damages.

DTE Energy's sole liability to Customer, its employees, agents, subcontractors and to all other persons arising out of or related to the performance of the Work, whether in contract, under any claims warranty, in tort, or otherwise shall be limited to either DTE Energy repairing or replacing the Work at its own expense or, at DTE Energy's option, refund the money paid for the Work. The foregoing shall be Customer's sole remedy. In no event will DTE Energy or its contractors be liable under this Agreement or under any cause of action relating to the subject matter of this Agreement, whether based on contract, warranty, tort (including negligence), strict liability, indemnity or otherwise, for any incidental or consequential damages including but not limited to loss of use, interest charges, inability to operate full capacity, lost profits or other similar claims of Customer.
8. **Set Off** - DTE Energy shall be entitled at any time to set off any sums owing by Customer or any of Customer's affiliated companies with common ownership, to DTE Energy or any of DTE Energy's affiliated companies, against sums payable by DTE Energy.
9. **Assignment and Notices** - Customer shall not assign this Agreement without DTE Energy's prior written consent. All notices required by this Agreement must be in writing and sent by U.S. mail or delivered in person to the addresses listed on page 1 of this Agreement.
10. **Saving Clause** - Each term and condition of this Agreement is deemed to have an independent effect and the invalidity of any partial or whole paragraph or section shall not invalidate the remaining paragraphs or sections. The obligation to perform all of the terms and conditions shall remain in effect regardless of the performance of any invalid term by the other party.



- 11. Governing Law and Jurisdiction** - This Agreement shall be construed in accordance with the law of the State of Michigan, without regard to conflict of law principals. The parties agree that any action with respect to this Agreement shall be brought in a court of competent jurisdiction located in the State of Michigan and the parties hereby submit themselves to the exclusive jurisdiction and venue of such court for the purpose of such action.
- 12. Entire Agreement** - This Agreement together with the DTE Energy Rate Book on file with the MPSC, the Electrical Service Installation Guide, which is available at:

[www.dteenergy.com/businessCustomers/buildersContractors/electricService/standards.html](http://www.dteenergy.com/businessCustomers/buildersContractors/electricService/standards.html)

and, if applicable, the Certificate of Grade (referred to herein collectively, as the "Contract Documents") constitutes the entire Agreement between the parties regarding this transaction. Any agreements, negotiations or understanding of the parties prior to or contemporaneous to the date of the Agreement, whether written or oral, are superseded hereby. In the event of a conflict between the Contract Documents, then the Contract Document shall control in the order stated above.



Accounts Receivable Agreement  
No. 64918167

"DTE Energy" and "Customer" make this agreement for consideration of the promises in the Agreement.

**"DTE Energy" is:**

The DTE Energy Company  
43230 Elizabeth Rd  
Clinton Township, MI 48036

**"Customer" is:**

MACOMB COUNTY  
Charles Groover  
23001 E 9 Mile Rd  
Saint Clair Shores, MI 48082

**Background Statement:** Customer requests DTE Energy to perform the work indicated below in the vicinity of 23001 E 9 Mile Saint Clair Shores. To do this, DTE Energy requires that payment be made in the amount indicated below. Under Michigan Public Service Commission rules, DTE Energy is permitted to require payment before performing this work.

**DTE Energy and Customer agree to the following terms:  
See details of this contract under the Terms and Conditions section**

Payment for the requested work is \$156,600.00.

The type of work to be performed:

Macomb County Public Works is requesting DTE to relocate the overhead lead located at LS 9 Mile Road from 9PE Jefferson Avenue to 10PE Jefferson Avenue in order perform work on 9 Mile Chapaton Pump Station. DTE will temporarily relocate the existing lead approximately 130 feet to the South near the tree line. After the Macomb County Public Works project is completed, the overhead lead will be relocated back to its original spot. The customer is responsible to aid DTE in acquiring easements from other property owners where DTE facilities must be installed in order to relocate the overhead lead. If easements are not acquired, alternate routes must be evaluated and reviewed which could impact schedule and cost to customer. In addition, the customer is responsible to pay any bonds or escrows required by municipalities where DTE facilities must be installed in order to relocate poles and primary, if applicable. DTE shall not be liable for any damages, costs or expenses related to

In return for the above payment, The DTE Energy Company agrees to perform the requested work, providing all necessary permits and rights-of-way can be secured. This job will not be scheduled until DTE Energy receives payment for the above work.

Notwithstanding anything herein to the contrary, the installation, ownership, and maintenance of electric services and the rates, fees, and charges to be made shall be subject to and in accordance with the orders and rules and regulations adopted and approved from time to time by the Michigan Public Service Commission.

DTE Energy:(sign) Ronarro L Cleveland /s/ Title: Supervisor Date: 5-17-2022  
Ronarro L Cleveland

Customer:(sign) \_\_\_\_\_ (print) \_\_\_\_\_ Date: \_\_\_\_\_  
(sign) \_\_\_\_\_ (print) \_\_\_\_\_ Date: \_\_\_\_\_

CUSTOMER COPY



**Terms and Conditions**  
**Accounts Receivable Agreement**

1. **MPSC Rules** - This Agreement is subject to the Michigan Public Services Commission ("MPSC") Rules, including but not limited to, Rule C6.1, "Extension of Service", Rule C6.2, "Overhead Extension Policy", Rule C6.3, "Underground Distribution Systems"; and Rule C6.5 "Miscellaneous Customer Requests", which are incorporated herein by reference.
2. **Description of Work** - DTE Energy or one of its contractors shall install or remove the underground or overhead conductors and any associated overhead or underground equipment required for the request, (collectively, the "Work"). DTE Energy will only install electric service and is not responsible for any other utility service including, but not limited to, cable television, or other communication services. Customer shall contact those companies responsible for the installation of services other than electrical service.
3. **Customer Staking Requirements**
  - a. Prior to commencement of the Work, Customer shall visually identify, by either exposing or clearly staking through the use of flags or other appropriate identification device, all private underground property, including but not limited to:
    - a. private electrical lines
    - b. sprinkler systems
    - c. invisible fences
    - d. swimming pool hardware
    - e. septic tanks and fields
    - f. fiber optic lines
    - g. security systems
    - h. heated sidewalk and driveway equipment
    - i. burial sites of pets
    - j. geothermal systems
    - k. private water mains and lines
    - l. solar power equipment
    - m. privately owned gas
    - n. propane and petroleum lines
    - o. any other underground equipment not previously listed.
  - b. If Customer refuses the route suggested by DTE Energy for the Work and requests an alternative route, which is mutually agreed to by Customer and DTE Energy, Customer shall stake the alternative route as provided in paragraph 3(a) above.
  - c. If Customer fails to clearly stake all private underground property, then Customer releases DTE Energy from any and all liability for property damage related to the installation, operation or maintenance of the Work, including, but not limited to, loss of trees, shrubs or other landscape.
4. **Total Payment** - By executing this Agreement, Customer agrees to pay DTE Energy the "Total Payment" calculated on page 1 of this agreement.
5. **Termination prior to Commencement of Work** - If Customer fails to complete any obligations under this Agreement within six (6) months from the date DTE Energy receives full payment or the Total payment, then, upon written notice, DTE Energy may cancel this Agreement and a refund may be issued to Customer, less all reasonable costs incurred by DTE Energy.
6. **Failure to Execute Agreement; Changes to Agreement:** If the Customer fails to execute this Agreement and pay the Total payment due to DTE Energy within six (6) months of the date of this Agreement, then this Agreement shall become null and void. Further, Customer shall not make any changes to this Agreement, including but not limited to handwritten changes or striking any language. In the event Customer makes any changes to this Agreement without the specific written consent of DTE Energy, then this Agreement shall become null and void.
7. **Damages and Limitation on Liability** - If Customer, its contractors, agents, and/or employees cause damage to the Work, then Customer shall reimburse DTE Energy for all costs related to that damage. DTE Energy reserves the right to retain portions of the Refundable Construction Advance to offset such damages.

DTE Energy's sole liability to Customer, its employees, agents, subcontractors and to all other persons arising out of or related to the performance of the Work, whether in contract, under any claims warranty, in tort, or otherwise shall be limited to either DTE Energy repairing or replacing the Work at its own expense or, at DTE Energy's option, refund the money paid for the Work. The foregoing shall be Customer's sole remedy. In no event will DTE Energy or its contractors be liable under this Agreement or under any cause of action relating to the subject matter of this Agreement, whether based on contract, warranty, tort (including negligence), strict liability, indemnity or otherwise, for any incidental or consequential damages including but not limited to loss of use, interest charges, inability to operate full capacity, lost profits or other similar claims of Customer.
8. **Set Off** - DTE Energy shall be entitled at any time to set off any sums owing by Customer or any of Customer's affiliated companies with common ownership, to DTE Energy or any of DTE Energy's affiliated companies, against sums payable by DTE Energy.
9. **Assignment and Notices** - Customer shall not assign this Agreement without DTE Energy's prior written consent. All notices required by this Agreement must be in writing and sent by U.S. mail or delivered in person to the addresses listed on page 1 of this Agreement.
10. **Saving Clause** - Each term and condition of this Agreement is deemed to have an independent effect and the invalidity of any partial or whole paragraph or section shall not invalidate the remaining paragraphs or sections. The obligation to perform all of the terms and conditions shall remain in effect regardless of the performance of any invalid term by the other party.

**11. Governing Law and Jurisdiction** - This Agreement shall be construed in accordance with the law of the State of Michigan, without regard to conflict of law principals. The parties agree that any action with respect to this Agreement shall be brought in a court of competent jurisdiction located in the State of Michigan and the parties hereby submit themselves to the exclusive jurisdiction and venue of such court for the purpose of such action.

**12. Entire Agreement** - This Agreement together with the DTE Energy Rate Book on file with the MPSC, the Electrical Service Installation Guide, which is available at:

[www.dteenergy.com/businessCustomers/buildersContractors/electricService/standards.html](http://www.dteenergy.com/businessCustomers/buildersContractors/electricService/standards.html)

and, if applicable, the Certificate of Grade (referred to herein collectively, as the "Contract Documents") constitutes the entire Agreement between the parties regarding this transaction. Any agreements, negotiations or understanding of the parties prior to or contemporaneous to the date of the Agreement, whether written or oral, are superseded hereby. In the event of a conflict between the Contract Documents, then the Contract Document shall control in the order stated above.

CUSTOMER COPY





Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/5/22
4. SET ID		5. POST DATE
VP220510KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTN, LLC	V43568	01	6116847	4/22/2022	\$ 1,647.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210166M	92113	CC0018	92113	WO18300	MIDDD	Acct#0322513, 5/15-8/14	\$ 823.50	GEN		
B	8210017M	92113	CC0004	92113	WO18006	8 1/2 Mile Relief	Acct#0322513, 5/15-8/14	\$ 617.63	GEN		0
C	8210072M	92113				Martin	Acct#0322513, 5/15-8/14	\$ 123.53	GEN		0
D	8713018M	92113				SEMCWWDS	Acct#0322513, 5/15-8/14	\$ 82.34	GEN		0
E											
F											
G											

23. Total: \$ 1,647.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Storm Sentry

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>Multiple</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>5/17/2022</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	---





Account No.	Invoice No.	Invoice Date
0322513	6116847	22-Apr-2022

BETZ,JOSEPH  
 MACOMB COUNTY OPW  
 21777 DUNHAM  
 CLINTON TOWNSHIP, MI 48036

**DTN Did you know?** DTN fully understands the gravity of the situation our world currently faces. We are doing all we can to ensure our business operations are fully functional to continue to help you-our customers-to be serviced in the great manner you expect from DTN. If you have any questions, you're encouraged to contact your Customer Success Manager and look at [www.dtn.com](http://www.dtn.com) for additional resources.

<b>New Charges</b>	<b>\$ 1,647.00</b>
Late Fees	\$ 0.00
<b>Total Due</b>	<b>\$ 1,647.00</b>

Please send your payment 7-10 days before the due date to allow time for payment processing. To ensure proper payment posting, detach and return lower portion with your payment.

### Customer Service

Billing Customer Service:

**888-826-4282, [weatherbilling@dtn.com](mailto:weatherbilling@dtn.com)**

Technical Support:

**800-485-4000**

Postal Correspondence:

**DTN  
 18205 Capitol Ave Ste 100  
 Omaha, NE 68022**

Be sure to include your name, telephone number and DTN account number whenever you contact us.

### Pay My Bill

**Online:** Visit [myaccount.dtn.com](http://myaccount.dtn.com) to submit payments or update your contact information 24 hours a day.

**By Mail:** Send your check and payment slip to the address on payment slip below.

**By Phone:** Call billing customer service at the number provided to pay by credit card or make changes to your account MONDAY THROUGH FRIDAY 7:00AM TO 5:00PM (CST).

Detach and return this payment slip with your check payable to DTN

T1220422.001-255-00000232

Account No.	Invoice No.	Due Date
0322513	6116847	13-May-2022
	Amount Due	<b>\$ 1,647.00</b>
Payment enclosed		.



DTN, LLC  
 18205 Capitol Ave Ste 100  
 Omaha, NE 68022

#BWNCVKR  
 0322513

000128 000000232



BETZ,JOSEPH  
 MACOMB COUNTY OPW  
 21777 DUNHAM RD  
 CLINTON TOWNSHIP MI 48036-1005



DTN, LLC  
 26385 NETWORK PLACE  
 CHICAGO, IL 60673-1263

10000000061167970000000003225130 00000164700

<b>Account Status</b>			
New Invoice	Due Date	Balance	Total
6116847	13-May-2022	\$ 1,647.00	
			<b>\$ 1,647.00</b>
<b>TOTAL DUE</b>			<b>\$ 1,647.00</b>

<b>New Charges</b>		
<b>Detailed Charges</b>		
Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI		
Account Number: 0322513 UserID: MACOMB		
Email: JOSEPH.BETZ@MACOMBGOV.ORG		
Service Period		
05/15/22-08/14/22	WxSentry Trans Online-Platinum	\$ 1,029.00
<b>SUBTOTAL</b>		<b>\$ 1,029.00</b>

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI		
Account Number: 0322513 UserID: MACOMB2		
Email: JOSEPH.BETZ@MACOMBGOV.ORG		
Service Period		
05/15/22-08/14/22	WxSentry Transp Online-Std	\$ 132.00
<b>SUBTOTAL</b>		<b>\$ 132.00</b>

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI		
Account Number: 0322513 UserID: MACOMB3		
Email: JOSEPH.BETZ@MACOMBGOV.ORG		
Service Period		
05/15/22-08/14/22	WxSentry Transp Online-Std	\$ 162.00
<b>SUBTOTAL</b>		<b>\$ 162.00</b>

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

**Subject to DTN Terms and Conditions**

Customer's acceptance and activation of the DTN goods or services constitutes express acceptance of the Terms and Conditions, a copy of which was provided to Customer upon inception of the service. Any other terms and conditions presented by the Customer, contrary to those provided DTN, do not apply. Canceling service will result in the billing for the duration of the then-current term under the DTN Subscription Agreement.

<b>Services Provided By:</b>	<b>PST</b>
DTN, LLC	QC: 1216123332
Omaha, NE 68022	SK: 2446102
Tax ID (EIN) - 20-5551424	MB: 087446-1
GST: 83187 6255 RT0001	BC: PST-1000-7804

**Payment Information**

If payment is not received by the due date, late fees and/or collection charges may be assessed. Customer understands that DTN may reduce or disconnect services offered to Customer for non-payment of any charges due. Customer agrees that DTN may charge a reconnection fee in the event that service is disconnected for nonpayment. A \$25.00 USD fee will be assessed for all returned checks. For your convenience, DTN accepts the following credit cards: Master Card, VISA, Discover, and American Express.

TI220422.001-256-000000232

**Weather Did you know?** Worldwide, weather poses serious threats and challenges for a number of industries. Our leading decision support tools and forecast insights help ensure safe, efficient operations. In a time of increasing weather volatility, managing weather risk is becoming an even more important. From Aviation to Marine to Energy and Sports and Outdoor events our solutions and meteorologists are dedicated to your needs. Find out more about our DTN weather solutions at [www.dtn.com](http://www.dtn.com)

**Electronic Payment Information:**  
Must reference DTN Account No. and Invoice No.

**Banking Details: Remit in USD**  
DTN, LLC  
Account No.: 464642771  
(ACH) - ABA (Routing)#: 071000013  
(Wire) - ABA (Routing)#: 021000021  
SWIFT ID: CHASUS33

**Bank Address:**  
(ACH) - JPMorgan Chase, Chicago, IL  
(Wire) - JPMorgan Chase, New York, NY

Account Number: 0322513 UserID: MACOMB4

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

05/15/22-08/14/22 WxSentry Transp Online-Std \$ 162.00

**SUBTOTAL \$ 162.00**

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB5

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

05/15/22-08/14/22 WxSentry Transp Online-Std \$ 162.00

**SUBTOTAL \$ 162.00**

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**Total New Charges \$ 1,647.00**

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Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) <b>Kellie Kource</b>	2. PHONE # <b>95337</b>	3. DATE <b>6/2/22</b>
4. SET ID	5. POST DATE	

**PARENT RECORD INFORMATION**

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
DTE Energy	V01270	01	STJNK-3DVJY	6/2/2022	\$ 7,953.45

**CHILD RECORD DETAIL INFORMATION**

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 4/8-5/8	\$ 7,953.45	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **7,953.45**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>6/7/2022</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
--	--



**Payment Coupon**

\_\_\_\_\_

Account Number	910000053785
Due Date:	June 02, 2022
Total Due:	\$16,570.23

MACOMB COUNTY  
 MACOMB COUNTY DRAIN COMM  
 21777 DUNHAM RD  
 CLINTON TWP MI 48036-1005

STJNK-3AVJY

Mail Payments to:  
 DTE Energy  
 P.O. Box 740786  
 Cincinnati OH 45274-0786

Please detach and return coupon with account number on check. Agencies are not authorized to accept payment of this bill.

**Account Information**

\_\_\_\_\_

MACOMB COUNTY  
 MACOMB COUNTY DRAIN COMM  
 21777 DUNHAM RD  
 CLINTON TWP, MI 48036

Account Number	9100-0005-3785
DTE-Energy Federal ID No.	38-3217752

**Programs you are enrolled in:**

\_\_\_\_\_

**How to contact us:**

Power Outage	See Detail Charges
Billing Inquiry	1-313-235-7984

Please make any inquiry or complaint about this bill to DTE Energy before the Due Date.  
 DTE Energy is regulated by the Michigan Public Service Commission, Lansing, Michigan

**Important Information**

\_\_\_\_\_





# Summary Of Charges

**Account Number 9100-0005-3785**

Previous Balance as of 04/21/2022

8,616.78

Payment(s) and Credit(s)

0.00

Remaining Balance

8,616.78

*pd  
by check*

## Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping R18 Cat1	EFCR18D3WP	04/08 - 05/08/22	7,953.45
		Taxes			0.00
		Miscellaneous Charges			0.00
		<b>Current Bill</b>			<b>\$7,953.45</b>

**Amount Due on or before Due Date of 06/02/2022**

**\$16,570.23**

Your current charges are due on June 2, 2022. A 2% late payment charge will be applied if paid after the due date.

# Detail Charges

For Service at: 23001 E 9 Mile Rd, St Clair Shores, MI 48082

Outage Contact Number: 1-313-235-1300

Invoice: 200013644850

Billing Period: 04/08/2022 through 05/08/2022

Days Billed: 31

## Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
10056082	04/08	138.0A	05/08	143.4A	5.4	6,400.0000	34,560.0	P - In-V
10056082	04/08	194.4A	05/08	200.8A	6.4	6,400.0000	40,960.0	P - In-W
10056085	04/08	0.0A	05/08	0.0A	0.0	6,400.0000	0.0	P - In-V
10056085	04/08	0.0A	05/08	0.0A	0.0	6,400.0000	0.0	P - In-W
10098716	04/08	0.2A	05/08	0.2A	0.0	- 6400.000	0.0	P - Out-V
10098716	04/08	0.0A	05/08	0.0A	0.0	- 6400.000	0.0	P - Out-W
<b>Total KVARH</b>							<b>34,560.00</b>	
<b>Total KWH</b>							<b>40,960.00</b>	

Invoice: 200013644850 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping R18 Cat1

## Billing Status Information

1	On-peak Billing Demand	829	KW	ESTABLISHED	05/03/2022	16:30
3	65% High OP Bill Dmd June-Oct prec 11 mths	3697	KW	ESTABLISHED	07/16/2021	15:00
6	Rate Minimum Demand (Site)	5	KW			
8	Highest Single Billing Demand	829	KW	ESTABLISHED	05/03/2022	16:30
9	65% High Bill Dmd June-Oct prec 11 mths	3797	KW	ESTABLISHED	09/23/2021	03:00
A	Current PV High Monthly Demand	829	KW	ESTABLISHED	05/03/2022	16:30
B	50% of the Contract Capacity for PV	3369	KW			
C	Primary Voltage Maximum Demand	5842	KW	ESTABLISHED	08/12/2021	07:00
	Contract Capacity for Location	6738	KW			
	Power Factor (ratio) for all voltages	76	PCT			
	Total Number of days in the Billing Period	31	DAYS			
	Avg Kilowatthours Used Per Day This Period	1321	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	1053	KWH			
	kWh percentage change from a year ago	25	PCT			
	R18-kWh Inflow	40960	KWH			
	R18-kWh Outflow	0	KWH			
	R18-Outflow OnPeak Billing Demand	0	KW	ESTABLISHED	04/08/2022	11:30
	Beginning Excess Bank Balance	0	DOLL			
	Adjustment to Excess Generation Bank Balance	0	DOLL			
	Ending Excess Generation Bank Balance	0	DOLL			

## Charges for 04/08/2022 through 05/08/2022

### Power Supply Charges:

Power Supply Energy:							
Power Supply Capacity Charge	40,960	KWH	@ \$	0.0390000	Per Total KWH	1,597.44	
Power Supply Non Capacity Charge	40,960	KWH	@ \$	0.0434500	Per Total KWH	1,779.71	
Surcharges:							
Power Supply Cost Recovery Factor	40,960	KWH	@ \$	0.0066500	Per Total KWH	272.38	
Outflow Credit	0	KWH	@ \$	-0.0810200	Per Total KWH	0.00	
Excess Generation Bank Adjustment						0.00	
Other Power Supply Volumetric Surcharges						- 5.61	
<b>Sub Total:</b>						<b>3,643.92</b>	

### Delivery Charges:

Service Charge						11.25	
Distribution:							
Distribution Energy	40,960	KWH	@ \$	0.0386800	Per Total KWH	1,584.33	
Surcharges:							
LIEAF Factor	2	MTR	@ \$	0.8700000		1.74	
Other Delivery Surcharges						133.94	
Other Delivery Volumetric Surcharges						78.27	
<b>Sub Total:</b>						<b>1,809.53</b>	
Special Facilities Charge						2,500.00	

### Invoice Subtotal

7,953.45

Michigan State Sales Tax On Taxable Portion

0.00

### Invoice Total

\$7,953.45



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) <b>Kellie Kource</b>	2. PHONE # <b>95337</b>	3. DATE <b>6/1/22</b>
4. SET ID <b>VP220602KA</b>	5. POST DATE	

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fire Equipment Company, Inc.	V27220	02	123464	5/4/2022	\$ 540.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80186	CC0004	80186	WO18006	8 1/2 Mile Relief	Annual System Inspection	\$ 540.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 540.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u>	30. Drain: <u>8 1/2 Mile Relief</u>
26. Chief Deputy: _____	31. Project Balance: <u>N/A</u>
27. Engineers: _____	32. Staff Date: <u>6/7/2022</u>
28. Managers: _____	33. Board Date: <u>6/13/2022</u>
29. Coordinator: _____	34. Select For Pay Date: _____



PHONE: (313) 891-3164 (810) 238-3349  
 FAX: (313) 369-2533



## INVOICE

Bill To
Macomb County Public Works Attn: Accounts Payable 23001 E. 9 Mile Rd St. Clair Shores, MI 48080

Ship To
Chapaton Pumping Station 23001 E. 9 Mile Rd St. Clair Shores, MI 48080

Date	Invoice #	P.O. Number	Terms	Due Date	Project
5/4/22	123464	Kris Benda	Net 30	6/3/22	

Quantity	Description	Price Each	Amount
1	Semi-Annual System Inspection - Performed. All devices functioned at this time. Panel is normal.	540.00	540.00
	*Replace system standby batteries next inspection per code		
	Michigan Sales Tax	6.00%	0.00
	8.5		
	Fire alarm panel & system inspection		
<b>Total</b>			<b>\$540.00</b>

To ensure proper credit to your account, please return bottom portion with your payment.

Macomb County Public Works Attn: Accounts Payable 23001 E. 9 Mile Rd St. Clair Shores, MI 48080
--

Invoice #
123464

<b>Amount</b>
\$540.00
<b>Please Send Your Payment To:</b> 2991 Momentum Place Chicago, IL 60689-5329





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/25/22
4. SET ID		5. POST DATE
VP220526KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Fishbeck	V44063	01	411413	5/18/2022	\$ 10,611.25

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80138	CC0037	80138	WO22006	8 1/2 Mile Relief	Pjt #190051 through 5/13	\$ 2,773.00	GEN		
B	8210017M	80138	CC0031	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 5/13	\$ 7,838.25	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 10,611.25

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Canal Rehab

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>\$81,130.09</u> 32. Staff Date: <u><del>6/3/2022</del> 6/7/22</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	---

**MACOMB COUNTY PUBLIC WORKS OFFICE  
ENGINEERING INVOICE COVER SHEET**

**WORK ORDER NUMBER**                      WO19005

**PROJECT NUMBER**                        WWS-2019-001

**PROJECT NAME**                            As-Needed General Engineering Services

**DRAINAGE DISTRICT**                      Eight and One-Half Mile Relief Drain Drainage District

**CONSULTANT NAME**                        Fishbeck

**INVOICE DATE**                            5/18/22/2022

**INVOICE START DATE**                      4/16/2022

**INVOICE END DATE**                        5/13/2022

<b>ORIGINAL CONTRACT AMOUNT</b>	<b>\$ 151,919.00</b>
<b>CHANGE ORDER TOTAL</b>	<b>\$ 278,732.00</b>
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 6	\$ 75,000.00
<b>TOTAL REVISED CONTRACT AMOUNT</b>	<b>\$ 430,651.00</b>
(includes all approved change orders only)	
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	<b>\$ 338,909.66</b>
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	<b>\$ 10,611.25</b>
<b>TOTAL BUDGET REMAINING</b>	<b>\$ 81,130.09</b>
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	



# Applied Science, Inc.

21455 Melrose Ave. Bldg R Suite 12 Southfield, MI 48075  
Phone: (313) 567-3990 Fax: (313) 567-3750  
www.asi-detroit.com

May 2, 2022

Invoice #1 (ASI Inv. #8145)

Macomb County Public Works Commissioner  
SEMSD WWMP  
MCPWO Project No: WO19005  
FTCH Project No: 190051

RE: SE Macomb As-Needed Engineering Services  
Project Nos. 190051, 190  
(ASI Job No. 1830)

Chapaton RTB Pump Curve and JFI Twining Analysis

For services provided from January 23, 2022 through April 2, 2022

<u>Employee</u>	Task 1.v		<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
	<u>Chapaton RTB</u>	<u>Final Chapaton/Martin</u>			
Karen Ridgway	3.0	2.0	5.0	\$ 178.00	\$ 890.00
Paul Szlaga	0.0	10.0	10.0	\$ 114.00	\$ 1,140.00
Doria Herold-Jackson	1.0	0.0	1.0	\$ 107.00	\$ 107.00
Ben McMillan	55.5	0.0	55.5	\$ 96.00	\$ 5,328.00
Total this invoice:	\$ 5,969.00	\$ 1,496.00			\$ 7,465.00
Previous Amount Invoice:	\$ -	\$ -			\$ -
Total Invoiced To-Date:	\$ 5,969.00	\$ 1,496.00			\$ 7,465.00
Not To Exceed:	\$ 5,900.00	\$ 1,300.00			\$ 11,962.00
Amount Remaining:	\$ (69.00)	\$ (196.00)			\$ 4,497.00
<b>Total Amount Due This Invoice:</b>					<b><u>\$ 7,465.00</u></b>

**Payment Options**

Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829  
 Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546  
 Remittance Advice: accounts.receivable@fishbeck.com  
 616.575.3824  
 Federal I.D. No. 38-1841857 | Incorporated

**Attention:** Mr Vincent Astorino  
**Macomb County Public Works Commissioner**  
 21777 Dunham Road  
 Clinton Township, MI 48036  
 United States

**Invoice:** 411413  
**Invoice Date:** 5/18/2022  
**Project:** 190051  
**Project Name:** Macomb Co PW/8.5 As-needed  
 Engineering  
**Bill Term:** 1

**For Professional Services Rendered Through 5/13/2022**

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1.E - Task 1e - Maps	7,500.00	1,657.89	5,842.11	5,842.11	0.00
1.O - Task 1o - RTB & 9EB Structural Repair	148,682.00	2,796.31	145,885.69	145,885.69	0.00
1.P - Task 1p - SRF 5685-01 Project Plan Amendment	20,500.55	19,362.55	1,138.00	1,138.00	0.00
1.R - Task 1r - 8DR Confined Space Entry/LOTO Program	10,500.00	48.04	10,451.96	10,451.96	0.00
1.S - Task 1s - 8DR Route and Course	4,900.00	22.00	4,878.00	4,878.00	0.00
1.T - Task 1t - 9 Mile PS Design As-Needed	5,000.00	5,000.00	0.00	0.00	0.00
1.U - Task 1u - Chapaton Rehab SRF Project Plan	20,000.00	7,143.22	15,629.78	12,856.78	2,773.00
Rate Labor	2,773.00				
1.V - Task 1v - Chapaton RTB Pump Curve & JFI Twining Analysis	7,838.25	7,838.25	7,838.25	0.00	7,838.25
Expenses	7,838.25				
			<b>Current Billings</b>	<u>10,611.25</u>	
			<b>Amount Due This Bill</b>	<u>10,611.25</u>	

*c c10037*  
*WO22006*

*As-needed 7838.25*



1.U - Task 1u - Chapaton Rehab SRF Project Plan

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	5.00	70.0000	350.00
Senior Engineer	4.50	130.0000	585.00
	4.50	164.0000	738.00
<b>Total Senior Engineer</b>	9.00		1,323.00
Staff Engineer	10.00	110.0000	1,100.00
<b>Total Rate Labor</b>			<b>2,773.00</b>
<b>Total Bill Task: 1.U - Task 1u - Chapaton Rehab SRF Project Plan</b>			<b>2,773.00</b>

1.V - Task 1v - Chapaton RTB Pump Curve & JFI Twining

Analysis

Expenses

<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
<b>Subconsultant</b>			
Applied Science Inc	7,465.00	1.05	7,838.25
<b>Total Expenses</b>			<b>7,838.25</b>

**Total Project: 190051 - Macomb Co PW/8.5 As-needed Engineering** **10,611.25**



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/5/22
4. SET ID		5. POST DATE
VP220510 KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
FJF Door Sales Company, Inc.	V01629	01	177591	4/27/2022	\$ 2,280.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93001	CC0004	93001	WO18006	8 1/2 Mile	SO #63238	\$ 2,280.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 2,280.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton East Entry Door

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>5/17/2022</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
--	--



# Door Sales Company, Inc.

43678 Gratiot • Clinton Township, Michigan 48036  
(586) 468-9787 • FAX (586) 463-3299 • 800-462-2593  
www.fjfdoor.com

PROMPT EMERGENCY SERVICE CALL ANYTIME

# Invoice

Date	Invoice #
4/27/2022	177591

8.5 new entry door Chap East

Bill To
Chapaton Pump Station 23001 E. 9 Mile Rd St. Clair Shores, MI 48080

Ship To
Contact: Kris 586-772-3425

S.O. No.	P.O. No.	Terms	Due Date	Rep
63238		Net 30	5/27/2022	JH

Description	Ordered	B.O.	Shipped	U/M	Unit Cost	Total
Hollow Metal Frame Assembly, R/O 40 x 88	1	0	1		2,280.00	2,280.00
Hollow metal entry slab, RHR	1	0	1		0.00	0.00
NRP hinges for hollow metal door	3	0	3		0.00	0.00
Brush sweep for hollow metal entry door	1	0	1		0.00	0.00
Threshold for hollow metal entry door	1	0	1		0.00	0.00
Weather seal kit for hollow metal entry door	1	0	1		0.00	0.00
Latch guard - Hollow Metal Entry	1	0	1		0.00	0.00
#5000 Sentinel Closer - Aluminum	1	0	1		0.00	0.00
Panic bar exit device with outside thumb latch	1	0	1		0.00	0.00
Labor to tear out hollow metal door and frame	1		1		0.00	0.00
Labor to install hollow metal door, frame and hardware	1		1		0.00	0.00
Completed 04/25/2022 Installed per quote Please remit						

For a complete list of products, visit our website at [fjfdoor.com](http://fjfdoor.com) or contact us at (586) 468-9787

<b>Subtotal</b>	\$2,280.00
<b>Sales Tax (6.0%)</b>	\$0.00
<b>Total</b>	\$2,280.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$2,280.00

A fee of \$25.00 will be charged for all returned checks.

A finance charge of 1.5% (annual percentage rate - 18%) will be added to all invoices over 30 days past due.





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP220602KB		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
HESCO	V084851	07	2213650	5/25/2022	\$ 3,989.10

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile	Pjt 20221926BS; Chapaton PS install	\$ 3,989.10	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 3,989.10

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
**PW000241; Outfall Gate Repair**

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>6/7/2022</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	--





Knowledgeable • Professional • Attentive • Likeable

29770 Hudson Drive Novi, MI 48377  
Phone: (586) 978-7200  
hesco-mi.com

Invoice No. 2213650

Date: 05/25/2022

PW000241

**Billed To:** Macomb County Public Works Commission  
Finance Dept  
21777 Dunham Rd  
Clinton Twp MI 48036

**Contract ID:**  
HESCO Project: 20221926BS Macomb Chapaton PS install

**Contact:** Kristopher Benda    **P.O.#** PW000241    **Salesperson:** Heather Walker    **Due Date:** 06/24/2022

Description	Unit	Qty	Rate	Amount
AUMA SWITCH PACK SET 4GTLS 110V HTR CW 10TP COM#: A025058 Article No.: SPA4.026	Each	1.00	789.10	789.10
HESCO FIELD SERVICE Includes two (2) service technicians to install limit switch.	Day	1.00	3,200.00	3,200.00

**Notes:**

Field Service Sheets Enclosed

Non-Taxable Amount:	3,989.10
Taxable Amount:	0.00
Sales Tax:	0.00
Total Invoice	3,989.10
Payments/Credits:	0.00
<b>Amount Due</b>	<b>3,989.10</b>



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/19/22
4. SET ID		5. POST DATE
VP220520KA		

**PARENT RECORD INFORMATION**

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Home Depot	V02220	25	5031712	4/12/2022	\$ 556.31

**CHILD RECORD DETAIL INFORMATION**

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	72613	CC0004	72613	WO18006	8 1/2 Mile Relief	6035 3225 0159 9843, 5031712	\$ 556.31	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 556.31

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>6/3/2022</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
--	--

Want for HD  
Station.

270  
CA  
\* ( )  
8442  
56



8.5  
Clz box ~~rebuild~~  
Rebuild

How doers  
get more done.

20500 13 MILE RD  
ROSEVILLE MI 48066 586-415-9620

2707 00003 55479 04/12/22 09:55 AM  
SALE CASHIER GERALDINE

XXXXXXXXXX  
INVOICE

REFUND  
CUSTOMER PRO

\$179.90 will be  
qualifying spend

BUY ONLINE,  
AVAILABLE NOW,  
CONVENIENT, EASY  
READY IN LESS  
\*\*\*\*\*  
DID WE NAIL IT?

Take a short survey for  
a \$5,000 HOME DEPOT  
GIFT CARD

Opine en español  
www.homedepot.com/s

User ID: XKJ 117214 11  
PASSWORD: 22215 11450  
Entries must be completed within  
of purchase. Entrants must be  
older to enter. See complete rule  
website. No purchase necessary.

030699152803 T-HINGE <A>	22.84N
HINGE, TEE HD 8" GALV 2PK	
030699151868 DOOR PULL <A>	4.75N
PULL, DOOR 6.5" ZINC	
058060003134 3/8X5 WEDGE <A>	
3/8" X 5-IN PARAMEDGE (1-PK)	14.70N
6@2.45	8.91N
030699202676 SAFETY HASP <A>	
HASP, SAFETY 6.5" ZINC	
030699202775 SAFETY HASP <A>	10.31N
HASP, DOUBLEHINGE SAFETY 7.75" ZINC	
764666738300 3DMB1 <A>	
DECKMATE III 3" BLACK SCREW 1LB	13.96N
2@6.98	
NLP Savings \$2.00	
844219030164 BRDVCG SC 16 <A>	
16" FIBERON AG SANDCASTLE GV DECKING	431.76N
12@35.98	
090489439279 2X4-8 PT 2P <A>	
2X4-8FT #2PRIME PT GC WEATHERSHIELD	49.08N
6@8.18	

SUBTOTAL	556.31
SALES TAX	0.00
TAX EXEMPT	
TOTAL	\$556.31
XXXXXXXXXXXX9843 HOME DEPOT	USD\$ 556.31
AUTH CODE 012621/5031712	TA

MACOMB COUNTY PUBLIC WORKS  
SEMROW TREVOR  
Chip Read  
AID A0000000049999D8400305 THD PLCC PROX

PRO XTRA MEMBER STATEMENT

PRO XTRA ###-###-6742 SUMMARY  
THIS RECEIPT PO/JOB NAME: CHAPATON

2022 PRO XTRA SPEND 04/11:	\$6,498.82
INCLUDES:	
2022 PROXTRA SAVINGS 04/11:	\$198.37

Get the CREDIT LINE your business needs  
PLUS earn Perks 4X FASTER when you join  
Pro Xtra, register, & use your Pro Xtra  
Credit Card. Apply and SAVE UP TO \$100.  
Learn more at homedepot.com/credit

2707 04/12/22 09:55 AM



2707 03 55479 04/12/2022 3271

RETURN POLICY DEFINITIONS			
POLICY ID	DAYS	POLICY EXPIRES ON	
A 11	365	04/12/2023	

\*\*\*\*\*  
DID WE NAIL IT?

Take a short survey for a chance TO WIN  
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

www.homedepot.com/survey



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/2/22
4. SET ID		5. POST DATE
VP220602KUB		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
JCI JONES CHEMICALS INC	V65297	02	886093	5/23/2022	\$ 8,609.89

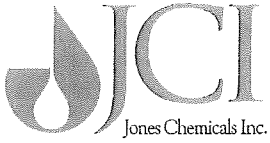
CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Order #659537; 5/23/22	\$ 8,609.89	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 8,609.89 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>6/7/2022</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
--	--





www.jcichemicals.com

INVOICE

Inv Date	Invoice #
05/23/2022	886093
Date Shipped	Order/BOL #
05/23/2022	659537

\*\*\* ORIGINAL \*\*\*  
 JCI JONES CHEMICALS, INC..  
 RIVERVIEW BRANCH LOCATION  
 18000 PAYNE AVENUE  
 RIVERVIEW , MI 48192  
 Phone: (734) 283-0677  
 Fax: (734) 283-0979  
 email: cs@jcichem.com

Customer Number  
 21543215

S MACOMB COUNTY  
 O ATTN: ACCTS PAYABLE  
 L 23001 9 MILE ROAD  
 D Saint Clair Shores , MI 48080-  
 T USA  
 O

S ID # : 1  
 H CHAPATON PUMPING STATION  
 I 23001 NINE MILE RD  
 P ST CLAIR SHORES , MI 48080-  
 T USA  
 O

Customer PO #		FOB Remark	Freight Terms	Sales ID	
Release #		Ship Via	Terms	Discount Due Date	
VBL-KRIS BENDA		Destination	Delivered	NORTH	
		JCI	N 30	6/22/2022	
			06/22/2022	6/22/2022	
Units	Package	Product Name	Total Quantity	Unit Price	Amount
4,689.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)	4,689.0000/Gal	1.8251 /Gal	8,557.89
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> N- 47,580 SP GR- 1.218 FSC- \$52.00			
		Fuel Surcharge			52.00

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **8,609.89**

Remit To: JCI Jones Chemicals, Inc.  
 ACCEPTED FORMS OF PAYMENT ARE:  
 ACH, WIRE & CREDIT CARDS  
 FL 34236-

PLEASE PAY  
 THIS AMOUNT



\*JCI Welcomes payments via ACH, EFT and WIRE\*



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP220602KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Kienbaum Hardy Viviano Pelton & Forrest PLC	V69063	01	48243	5/1/2022	\$ 2,275.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8008132M	80139				Kingsbury	Re: 1245-001/April 2022	\$ 637.50	GEN		
B	8210072M	80139				Martin	Re: 1245-001/April 2022	\$ 625.00	GEN		0
C	8210017M	80139	CC0004	80139	WO18006	8 1/2 Mile	Re: 1245-001/April 2022	\$ 1,012.50	GEN		0
D											
E											
F											
G											

23. Total: \$ 2,275.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>Multiple</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>6/7/2022</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	--

**Kienbaum Hardy Viviano Pelton & Forrest, PLC**

Suite 400  
 280 N Old Woodward  
 Birmingham MI 48009  
 Phone No.: (248) 645-0000  
 Fax: (248) 645-1385  
 Federal Tax ID: 38-3347787

Statement as of 5/1/2022  
 Statement no 48243

**MCDPW**

**Macomb County Department of Public Works**  
 21777 Dunham Rd  
 Clinton Twp MI 48036

1245-001 / General Matters

**Professional Fees**

			Hours	Rate	Amount	
04/08/2022	KMH	Attention to agreements and related exhibits for Martin Sanitary Agreement; Attention to update information received on Kingsbury Drain Agreement; Review and analysis of information related to Chapaton Structural Repairs Contract.	0.90	250.00	225.00	
				<i>Kings - \$75</i>		
				<i>Martin - \$75</i>		
				<i>8.5 - \$75</i>		
04/11/2022	KMH	Attention to exhibits for Kingsbury Agreement; Communicate with client re: same.	0.50	250.00	125.00	<i>King</i>
04/14/2022	KMH	Review and analysis of comments MSDDD/SEMSD agreement; Telephone conference with Mr. Tomlinson re: same and re: exhibits for agreement.	0.60	250.00	150.00	<i>MARTIN</i>
04/15/2022	KMH	Review and analysis of Chapaton Agreement revisions proposed by contract; Draft comments and revisions in response to same; Communicate with Mr. Wagner re: same; Review and analysis of comments from SEMSD and communicate with client and Mr. Tomlinson re: same.	2.00	250.00	500.00	
				<i>MARTIN - 250</i>		
				<i>8.5 - 250</i>		
04/18/2022	KMH	Plan and prepare for telephone conference with Mr. Wagner re: revisions to Chapaton agreement; Telephone conference with Mr. Wagner re: same.	0.80	250.00	200.00	<i>8.5</i>
04/19/2022	KMH	Draft language for Chapaton Agreement; Communicate with Mr. Wagner re: Chapaton Agreement.	0.40	250.00	100.00	<i>8.5</i>
04/21/2022	KMH	Plan and prepare for telephone communication with Mr. Astorino re: Martin Sanitary and SEMSD contract; Communicate with Mr. Astorino re: Martin Sanitary contract and changes requested by SEMSD; Review and analysis of revisions to Kingsbury Agreement and communicate with Ms. Ramadan re: same; Review of liquidated damages letter and related documents and confer with Mr. Wagner re: same.	2.10	250.00	525.00	
				<i>50% MARTIN - \$262.5</i>		
				<i>50% Kingsbury \$262.5</i>		
04/25/2022	KMH	Review and analysis of communication from client to D'Agostini re: Martin Flush Improvement project schedule.	0.20	250.00	50.00	<i>MARTIN</i>

04/27/2022	KMH	Review revisions and comments to Kingsbury Agreement and communicate with client re: same; Draft revised language for Kingsbury Agreement.	0.70	250.00	175.00	<i>Kings</i>
04/28/2022	KMH	Revisions to MSDDD/SEMSD Agreement in accordance with telephone conference with Mr. Astorino re: same; Telephone conference with Mr. Tomlinson re: same.	0.90	250.00	225.00	<i>MARTIN</i>
					Sub-total Fees:	\$2,275.00

**Rate Summary**

Katie M. Hoffman	9.10 hours at \$250.00/hr	2,275.00
Total hours:	9.10	

**Payments**

04/20/2022	Payment	00006249	1,502.50
			Sub-total Payments: <span style="border-top: 1px solid black;">\$1,502.50</span>

Total Current Billing:	\$2,275.00
Previous Balance Due:	\$3,862.50
Total Payments:	(\$1,502.50)
<b>Total Now Due:</b>	<b>\$4,635.00</b>

Kingsbury - \$637.50  
 8.S - \$625.00  
 MARTIN - \$1012.50





Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/25/22
4. SET ID		5. POST DATE
VP220526 KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Macomb County Treasurer	V01085	03	22-211	3/31/2022	\$ 7,280.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	72100	CC0004	72100	WO18006	8 1/2 Mile	General Fund Payback	\$ 7,280.00	IPWK		
B											
C											
D											
E											
F											
G											

23. Total: \$ 7,280.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
Reimburse to General Fund for salary and fringe

25. Finance Officer:	BM/kk	30. Drain:	8 1/2 Mile
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	6/7/22 <del>6/3/2022</del>
28. Managers:		33. Board Date:	
29. Coordinator:		34. Select For Pay Date:	

**CANDICE S. MILLER**  
**MACOMB COUNTY PUBLIC WORKS COMMISSIONER**  
 21777 Dunham  
 Clinton Twp, Michigan 48036  
 Phone: (586) 469-5325

Invoice No. 1-2022

**INVOICE**

**Customer**

Name Eight Half Mile Relief (0017)

Address \_\_\_\_\_

City \_\_\_\_\_

Date 3/31/2022

Description	TOTAL
Payback to General Fund for salary and fringe that was charged to General Fund for accounting services, 2021 - 2022  (Charged annually)  <b>PLEASE MAKE CHECK PAYABLE TO:</b> Macomb County Public Works	\$7,280.00
<b>TOTAL</b>	<b>\$7,280.00</b>

For Office Use Only:

Date Received _____
Amount Received _____
Check No. _____
Deposit Date _____
Receipt No. _____
Voucher No./Date _____

Due Upon Receipt

BY: *Bruce Manning*  
 Bruce Manning Financial Manager

*IPWK                      personnel obj code                      22-211*

**FY 2021-2022  
8.5 MILE RELIEF BUDGET DETAIL SHEET  
EXPENDITURE REQUEST SHEET**

FUND: 0017  
ACTIVITY: Personnel

P/Y BUDGET: \$1,061,320  
REQUEST: \$1,032,200  
INC/(DEC.): (\$29,120)

ACCOUNT EXPLANATION:

DESCRIPTION	21/22	20/21
1) Pump Station Operators(6 FT operators and 2 PT)	424,150	437,060
2) Operations Manager	89,650	104,650
3) Assistant Operations Mgr	59,710	85,130
4) Pump Station Standby	7,500	8,500
5) Overtime	52,000	52,000
6) SCADA Manager Support	42,190	42,470
7) SCADA System Specialist (FT)	32,360	17,250
8) Engineering Support	182,810	149,730
9) Senior Asset Mgmt Tech	33,590	46,750
10) Clerical Support	12,400	12,240
11) Accounting	7,280	7,140
12) Administrative	36,540	46,890
13) MIDDD Field Operator Reimbursement	52,020	51,510
Total	1,032,200	1,061,320

INCREASE/DECREASE EXPLANATION:

- 1-5) 75% of Chapaton staff is charged to 8.5 Mile Relief District. Remaining 25% is split between SEMCWWDS(10%) and Martin(15%).
- 1-13) Estimated county pension and retiree medical rates decreased for 2022.
- 1-3) Reduction is due to employee turnover
- 6-9) These positions will spend 37.5% of their time on 8.5 Mile Relief, 5% at SEMCWWDS, and 7.5% at Martin. The remaining 50% is with MIDDD.
- 7) Part-time person retired. Made this position full-time due to difficulties in attracting help for part-time positions and is less costly than contracting out at \$85 per hour.
- 8) Four engineers performing 8.5 Mile duties. Added engineer for 2022.
- 9) Position to support Nexgen tasks for Wastewater. Cost split with MIDDD, Martin, SEMCWWDS. 2021 budget was budgeted to high. 2022 reflects correct estimate.
- 10-11) 75% of support staff is charged to 8.5 Mile Relief District. Remaining 25% is split between SEMCWWDS(10%) and Martin(15%).
- 12) Cross charge for administrative personnel. 5.25% is charged to 8.5 Mile, the remaining is split between SEMCWWDS, Martin, MIDDD, and General. 2021 was overstated because 8.5 included Martin and SEMCWWDS' share of the payroll costs.
- 13) Field Operators from the MIDDD provide training and other assistance to the 8.5 Mile Drainage District.





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP220602kB		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Macomb County Treasurer	V01085	03	22-215	5/31/2022	\$ 599.46

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	96901	CC0034	96901	WO21018	8 1/2 Mile	General Fund Payback	\$ 599.46	IPWK		
B											
C											
D											
E											
F											
G											

23. Total: \$ 599.46 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Reimburse to General Fund for permit application for Chapaton 9 Mile PS

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>6/7/2022</u></p> <p>33. Board Date: _____</p> <p>34. Select For Pay Date: _____</p>
--	--





Melanie Pearl <melanie.pearl@macombgov.org>

*IPWK Taler*

**Re: Your Receipt**

1 message

**Bruce Manning** <bruce.manning@macombgov.org>

Tue, May 31, 2022 at 8:38 AM

To: Vincent Astorino <vincent.astorino@macombgov.org>

Cc: Kellie Kource <kellie.kource@macombgov.org>, Melanie Pearl <melanie.pearl@macombgov.org>

Hi Vince,

Thank you.

Kellie,

*22-215*

Since it is on credit card 8.5 will have to reimburse GF.

On Tue, May 31, 2022 at 8:37 AM Vincent Astorino <vincent.astorino@macombgov.org> wrote:  
Good Morning Kellie and Bruce,

We used the office credit card last week to submit a permit application for the Chapaton - 9 Mile PS with St. Clair Shores. Attached is the receipt for that.

Let me know if you need anything else.

Thanks,

**Vincent Astorino**  
Operations and Flow Manager  
Macomb County Public Works Commissioner Candice S. Miller  
21777 Dunham Road, Clinton Township, MI 48036  
Office: 586.469.6320 | Cell: 586.615.2436  
Publicworks.macombgov.org

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----- Forwarded message -----  
From: **Steven Wagner** <steven.wagner@macombgov.org>  
Date: Thu, May 26, 2022 at 3:28 PM  
Subject: Fwd: Your Receipt  
To: Vincent Astorino <vincent.astorino@macombgov.org>

FYI. On time, under budget.

----- Forwarded message -----  
From: <support@pointandpay.com>  
Date: Thu, May 26, 2022 at 3:26 PM

Subject: Your Receipt  
To: <steven.wagner@macombgov.org>

Greetings,

The City of St. Clair Shores thanks you for your payment.

Note: your payment should be reflected on your tax or utility bill account within 48 hours.

For questions about your account, please call 586-447-3317

Your payment ID is: 115001183

Items Paid For:

Description: Permits  
Amount Paid: \$582.00  
Invoice Number: PPC220012  
Parcel Number: 09-14-35-103-005

Customer Information:

First Name: Brian  
Last Name: Baker  
Address Line 1: 21777 Dunham Road  
Address Line 2:  
City: Clinton Township  
State: Michigan  
Zip Code: 48036  
Phone Number: 586.524.0070  
Email Address: steven.wagner@macombgov.org

Payment Information:

Subtotal: \$582.00  
Fee Total: \$17.46  
Total: \$599.46  
Datetime: 05/26/2022 15:26:24

--  
**Steven Wagner, P.E.**  
*Engineer II*

Macomb County Public Works Office  
21777 Dunham Road  
Clinton Township, MI 48036  
Office: 586.469.6134 | Cell: 586.524.0070

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--  
Bruce Manning  
Financial Manager  
Macomb County Public Works Commissioner Candice S. ~~Morr~~







16142 Collection Center Drive  
Chicago, IL 60693-0002  
(877) 759-4365

**Macomb County Public Works**  
**21777 Dunham Road**  
**Clinton Township, MI 48036**

<b>Invoice #</b> 9652	Page 1 of 1
Account Number	Date
MACOCOU-02	4/25/2022
BALANCE DUE ON	
5/15/2022	
AMOUNT PAID	Amount Due
	\$143,262.20

**Payment Methods:**

**ACH/Wire Information**

Bank of America  
Acct Name: Meadowbrook Inc.  
Acct Number: 5401978514  
ACH: Acct ABA #: 071000039  
Wire: Acct ABA #: 026009593

**Mail and Make Checks Payable to:**

Meadowbrook Insurance Agency  
16142 Collection Center Drive  
Chicago, IL 60693-0002

Excess Liability	Policy Number BCS 8800023-10	Effective: 4/15/2022 to 4/15/2025
------------------	------------------------------	-----------------------------------

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
480582	4/15/2022	5/15/2022	NEWB	Excess Liability \$10M X \$5M	\$139,768.00
480583	4/15/2022	5/15/2022	BSLT	Surplus Lines Taxes and Fees	\$3,494.20

**Total Invoice Balance: \$143,262.20**

Payment due upon receipt.

8.5 -  
9mke PS -  
MIDD odor & corr -  
martin ISS -

4/15-9/30 '19/1 - 4/15/25



		<u>4/15/22-9/30-22</u>	<u>10/1/22-4/15/25</u>	Total	169	928	1097
							Per Day
	\$143,262.20						
8.5	\$20,056.71	\$3,089.87	\$16,966.84	\$20,056.71			\$18.28
9 Mile PS	\$80,226.83	\$12,359.47	\$67,867.37	\$80,226.83			\$73.13
MIDD Odor & Corrosion	\$30,085.06	\$4,634.80	\$25,450.26	\$30,085.06			\$27.42
Martin ISS	\$12,893.60	\$1,986.34	\$10,907.26	\$12,893.60			\$11.75
	\$143,262.20						





16142 Collection Center Drive  
Chicago, IL 60693-0002  
(877) 759-4365

**Macomb County Public Works**  
**21777 Dunham Road**  
**Clinton Township, MI 48036**

<b>Invoice # 9630</b>	Page 1 of 1
Account Number	Date
MACOCOU-02	4/25/2022
BALANCE DUE ON	
5/15/2022	
AMOUNT PAID	Amount Due
	\$171,525.55

**Payment Methods:**

**ACH/Wire Information**

Bank of America  
Acct Name: Meadowbrook Inc.  
Acct Number: 5401978514  
ACH: Acct ABA #: 071000039  
Wire: Acct ABA #: 026009593

**Mail and Make Checks Payable to:**

Meadowbrook Insurance Agency  
16142 Collection Center Drive  
Chicago, IL 60693-0002

Excess Liability	Policy Number 1000587729221	Effective: 4/15/2022 to 4/15/2025
------------------	-----------------------------	-----------------------------------

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
480418	4/15/2022	5/15/2022	NEWB	Excess Liability \$5M X Primary	\$167,342.00
480419	4/15/2022	5/15/2022	BSLT	Surplus Lines Taxes and Fees	\$4,183.55

**Total Invoice Balance: \$171,525.55**

Payment due upon receipt.

8.5 - \$24,013.58  
9m PS - \$96,054.31  
MIDDODOR & CORR - 36,020.37  
MARTIN ISS - \$15,437.29

4/15 - 9/30

10/1/22 - 4/15/2

		4/15/22-9/30-22	10/1/22-4/15/25	Total	169	928	1097
							Per Day
	\$171,525.55						
8.5	\$24,013.58	\$3,699.45	\$20,314.13	\$24,013.58			\$21.89
9 Mile PS	\$96,054.31	\$14,797.79	\$81,256.52	\$96,054.31			\$87.56
MIDD Odor & Corrosion	\$36,020.37	\$5,549.17	\$30,471.19	\$36,020.37			\$32.84
Martin ISS	\$15,437.30	\$2,378.22	\$13,059.08	\$15,437.30			\$14.07
	\$171,525.55						







16142 Collection Center Drive  
Chicago, IL 60693-0002  
(877) 759-4365

**Macomb County Public Works**  
**21777 Dunham Road**  
**Clinton Township, MI 48036**

<b>Invoice # 9651</b>	Page 1 of 1
Account Number	Date
MACOCOU-02	4/25/2022
BALANCE DUE ON	
5/15/2022	
AMOUNT PAID	Amount Due
	\$80,047.38

**Payment Methods:**

**ACH/Wire Information**

Bank of America  
Acct Name: Meadowbrook Inc.  
Acct Number: 5401978514  
ACH: Acct ABA #: 071000039  
Wire: Acct ABA #: 026009593

**Mail and Make Checks Payable to:**

Meadowbrook Insurance Agency  
16142 Collection Center Drive  
Chicago, IL 60693-0002

Excess Liability	Policy Number G72574692001	Effective: 4/15/2022 to 4/15/2025
------------------	----------------------------	-----------------------------------

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
480576	4/15/2022	5/15/2022	NEWB	Excess Liability \$10M X \$15M	\$78,095.00
480577	4/15/2022	5/15/2022	BSLT	Surplus Lines Taxes and Fees	\$1,952.38

**Total Invoice Balance: \$80,047.38**

Payment due upon receipt.

8.5 -  
9m PS -  
M100 ad or + corr -  
MARTIN ISS -

4/15/22 - 9/30/22

10/1/22 - 4/15/25

		<u>4/15/22-9/30-22</u>	<u>10/1/22-4/15/25</u>	Total	169	928	1097
							Per Day
	\$80,047.38						
8.5	\$11,206.63	\$1,726.45	\$9,480.18	\$11,206.63			\$10.22
9 Mile PS	\$44,826.53	\$6,905.82	\$37,920.71	\$44,826.53			\$40.86
MIDD Odor & Corrosion	\$16,809.95	\$2,589.68	\$14,220.27	\$16,809.95			\$15.32
Martin ISS	\$7,204.26	\$1,109.86	\$6,094.40	\$7,204.26			\$6.57
	\$80,047.38						







16142 Collection Center Drive  
 Chicago, IL 60693-0002  
 (877) 759-4365

**Macomb County Public Works**  
**21777 Dunham Road**  
**Clinton Township, MI 48036**

<b>Invoice # 9631</b>	Page 1 of 1
Account Number	Date
MACOCOU-02	4/25/2022
BALANCE DUE ON	
5/15/2022	
AMOUNT PAID	Amount Due
	\$78,694.38

**Payment Methods:**

**ACH/Wire Information**

Bank of America  
 Acct Name: Meadowbrook Inc.  
 Acct Number: 5401978514  
 ACH: Acct ABA #: 071000039  
 Wire: Acct ABA #: 026009593

**Mail and Make Checks Payable to:**

Meadowbrook Insurance Agency  
 16142 Collection Center Drive  
 Chicago, IL 60693-0002

Excess Liability	Policy Number SEO-118170	Effective: 4/15/2022 to 4/15/2025
------------------	--------------------------	-----------------------------------

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
480433	4/15/2022	5/15/2022	NEWB	Excess Liability C&F \$12.5M P/O \$25M X \$25M	\$76,775.00
480434	4/15/2022	5/15/2022	BSLT	Surplus Lines Taxes and Fees	\$1,919.38

**Total Invoice Balance: \$78,694.38**

**Payment due upon receipt.**

W019085 8.5 In System - CC0033  
 W021018 9 mile PS - CC0034  
 W021002 MIDD Oder + Grr - ~~CC0018~~ CC0031  
 W021023 MARTIN ISS - CC0036  
 4/15/22 - 9/30/22  
 10/1/22 - 4/15/25

				Total			1097
		<u>4/15/22-9/30-22</u>	<u>10/1/22-4/15/25</u>		169	928	Per Day
	\$78,694.38						
8.5	\$11,017.21	\$1,697.27	\$9,319.94	\$11,017.21			\$10.04
9 Mile PS	\$44,068.85	\$6,789.09	\$37,279.76	\$44,068.85			\$40.17
MIDD Odor & Corrosion	\$16,525.82	\$2,545.91	\$13,979.91	\$16,525.82			\$15.06
Martin ISS	\$7,082.49	\$1,091.10	\$5,991.39	\$7,082.49			\$6.46
	\$78,694.38						



**ONESolution**  
 ACCOUNTS PAYABLE CHECK REQUEST  
**PUBLIC WORKS DIVISION**

PREPARED BY	PHONE NUMBER	DATE
Kellie Kource	95337	5/13/2022

SET ID	POST DATE
VP 220517KALP	

PARENT RECORD INFORMATION					
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT
Meadowbrook Insurance	V72943	02	9650	4/25/2022	\$ 76,775.00

CHILD RECORD DETAIL INFORMATION										
GENERAL LEDGER		JOB LEDGER		WORK ORDER NUMBER	DRAIN NAME	DESCRIPTION	AMOUNT	DIV	MISC	SEP CK
ORG KEY	OBJECT	COST CENTER	OBJECT							
8210017C	91101	CC0033	91101	WO21021	8 1/2 Mile	5401978514 (4/15/22-9/30/22)	\$1,655.88	GEN		
8210017C	12301	CC0033	12301	WO21021	8 1/2 Mile	5401978514 (10/1/22 - 4/15/25)	\$9,092.62	GEN		
8210017M	91101	CC0034	91101	WO21018	8 1/2 Mile	5401978514 (4/15/22-9/30/22)	\$6,623.51	GEN		
8210017M	12301	CC0034	12301	WO21018	8 1/2 Mile	5401978514 (10/1/22 - 4/15/25)	\$36,370.49	GEN		
8210166M	91101	CC0031	91101	WO21002	MIDDD	5401978514 (4/15/22-9/30/22)	\$2,483.81	GEN		
8210166M	12301	CC0031	12301	WO21002	MIDDD	5401978514 (10/1/22 - 4/15/25)	\$13,638.94	GEN		
8210072M	91101	CC0036	91101	WO21023	Martin	5401978514 (4/15/22-9/30/22)	\$1,064.49	GEN		
8210072M	12301	CC0036	12301	WO21023	Martin	5401978514 (10/1/22 - 4/15/25)	\$5,845.26	GEN		

TOTAL: \$76,775.00

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:  
 Policy #EXC 4138485

Finance Manager:	BM/kk	Drain:	Multiple
Chief Engineer:		Project Balance:	N/A
Engineer(s):		Staff Date:	5/17/2022
Manager(s):		Board Date:	6/13/2022
Coordinator:		Select for Pay Date:	



16142 Collection Center Drive  
Chicago, IL 60693-0002  
(877) 759-4365

**Macomb County Public Works**  
**21777 Dunham Road**  
**Clinton Township, MI 48036**

<b>Invoice #</b> 9650	Page 1 of 1
Account Number	Date
MACOCOU-02	4/25/2022
BALANCE DUE ON	
5/15/2022	
AMOUNT PAID	Amount Due
	\$76,775.00

**Payment Methods:**

**ACH/Wire Information**

Bank of America  
Acct Name: Meadowbrook Inc.  
Acct Number: 5401978514  
ACH: Acct ABA #: 071000039  
Wire: Acct ABA #: 026009593

**Mail and Make Checks Payable to:**

Meadowbrook Insurance Agency  
16142 Collection Center Drive  
Chicago, IL 60693-0002

Excess Liability Policy Number EXC 4138485 Effective: 4/15/2022 to 4/15/2025

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
480575	4/15/2022	5/15/2022	NEWB	Excess Liability \$12.5M P/O \$25M X \$25M	\$76,775.00

**Total Invoice Balance: \$76,775.00**

Payment due upon receipt.

8.5 -  
9m PS -  
M100 Odor & Corr -  
MARTIN ISS -

4/15/22 - 9/30/22

10/1/22 - 4/15/25



		<u>4/15/22-9/30-22</u>	<u>10/1/22-4/15/25</u>	Total	169	928	1097
							Per Day
	\$76,775.00						
8.5	\$10,748.50	\$1,655.88	\$9,092.62	\$10,748.50			\$9.80
9 Mile PS	\$42,994.00	\$6,623.51	\$36,370.49	\$42,994.00			\$39.19
MIDD Odor & Corrosion	\$16,122.75	\$2,483.81	\$13,638.94	\$16,122.75			\$14.70
Martin ISS	\$6,909.75	\$1,064.49	\$5,845.26	\$6,909.75			\$6.30
	\$76,775.00						





16142 Collection Center Drive  
Chicago, IL 60693-0002  
(877) 759-4365

**Macomb County Public Works**  
**21777 Dunham Road**  
**Clinton Township, MI 48036**

<b>Invoice #</b> 9653	Page 1 of 1
Account Number	Date
MACOCOU-02	4/25/2022
BALANCE DUE ON	
5/15/2022	
AMOUNT PAID	Amount Due
	\$259,807.78

**Payment Methods:**

**ACH/Wire Information**

Bank of America  
Acct Name: Meadowbrook Inc.  
Acct Number: 5401978514  
ACH: Acct ABA #: 071000039  
Wire: Acct ABA #: 026009593

**Mail and Make Checks Payable to:**

Meadowbrook Insurance Agency  
16142 Collection Center Drive  
Chicago, IL 60693-0002

General Liability	Policy Number RK22CGLZ0AFWUIC	Effective: 4/15/2022 to 4/15/2025
-------------------	-------------------------------	-----------------------------------

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
480584	4/15/2022	5/15/2022	NEWB	General Liability	\$259,807.78.00
<b>Total Invoice Balance:</b>					<b>\$259,807.78</b>

Payment due upon receipt.

8.5 -  
9 mile Ps -  
M100 odor + Corr  
MARTIN ISS -

4/15/22 - 9/30/22

10/1/22 - 4/15/25

		4/15/22-9/30-22	10/1/22-4/15/25	Total	169	928	1097
							Per Day
	\$259,807.78						
8.5	\$36,373.09	\$5,603.51	\$30,769.58	\$36,373.09			\$33.16
9 Mile PS	\$145,492.36	\$22,414.05	\$123,078.31	\$145,492.36			\$132.63
MIDD Odor & Corrosion	\$54,559.63	\$8,405.27	\$46,154.37	\$54,559.63			\$49.74
Martin ISS	\$23,382.70	\$3,602.26	\$19,780.44	\$23,382.70			\$21.32
	\$259,807.78						





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/19/22
4. SET ID		5. POST DATE
VP220520BA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Motor City Electric Technologies	V17465	02	93769	7/28/2021	\$ 4,207.50

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0014	93002	WO18077	8 1/2 Mile Relief	Job #921501; 3/25/21	\$ 4,207.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 4,207.50

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>6/3/2022</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
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**MOTOR CITY ELECTRIC TECHNOLOGIES INC.**  
AUTOMATION AND CONTROLS SOLUTIONS  
 9440 GRINNELL  
 DETROIT, MI 48213-1151  
 PHONE (313) 921-5300 FAX (313) 921-5310  
 "AN EQUAL OPPORTUNITY EMPLOYER"

# INVOICE

13030 MACOMB COUNTY PUBLIC WORKS  
 21777 DUNHAM ROAD  
 CLINTON TOWNSHIP, MI 48036

Customer  
 PO Number

Job Number	Sub Job	Contract Number	Date Performed	Application	
				Date	Number
921501	0	001	3/25/2021	7/28/2021	93769

BRENT WELSER

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	MISC. T&M	\$4,207.50	-	\$4,207.50	\$4,207.50	-	-
<b>Totals:</b>		<b>\$4,207.50</b>		<b>\$4,207.50</b>	<b>\$4,207.50</b>		
Less Retained:				-			
<b>Invoice Total:</b>				<b>\$4,207.50</b>			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORTS

PLC PROGRAMMING OF INTERMEDIATE PUMP #4

WORK COMPLETED REMOTELY JANUARY, FEBRUARY, MARCH 2021

*100% 8.5 SCADA AS-Needed*

complete electrical construction

"We hereby certify that the articles and services covered by this invoice were produced and performed in compliance with all applicable requirements of Section 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of regulations and orders of the United States Department of Labor issued under Section 14 thereof."



# Invoice Summary

Macomb County Public Works

Motor City Electric Technologies Inc.  
9440 Grinnell, Detroit, MI 48213-1151

Job No: 921501  
Invoice No: 93769  
Invoice Date: 7/28/2021

## Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Labor	49.50			\$4,207.50		\$0.00	\$0.00	\$4,207.50
<b>Invoice Totals:</b>	<b>49.50</b>			<b>\$4,207.50</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$4,207.50</b>

## Invoice Detail by Field Report

1/12/2021 Remote

Report Number: 201702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	8.00			\$680.00		\$0.00	\$0.00	\$680.00
<b>Report Totals:</b>	<b>8.00</b>			<b>\$680.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$680.00</b>

1/15/2021 Remote

Report Number: 210702-05202	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	8.00			\$680.00		\$0.00	\$0.00	\$680.00
<b>Report Totals:</b>	<b>8.00</b>			<b>\$680.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$680.00</b>

2/1/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	3.00			\$255.00		\$0.00	\$0.00	\$255.00
<b>Report Totals:</b>	<b>3.00</b>			<b>\$255.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$255.00</b>

2/25/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	4.00			\$340.00		\$0.00	\$0.00	\$340.00
<b>Report Totals:</b>	<b>4.00</b>			<b>\$340.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$340.00</b>

2/26/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	8.00			\$680.00		\$0.00	\$0.00	\$680.00
<b>Report Totals:</b>	<b>8.00</b>			<b>\$680.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$680.00</b>

3/5/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	2.50			\$212.50		\$0.00	\$0.00	\$212.50
<b>Report Totals:</b>	<b>2.50</b>			<b>\$212.50</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$212.50</b>

3/8/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	3.00			\$255.00		\$0.00	\$0.00	\$255.00
<b>Report Totals:</b>	<b>3.00</b>			<b>\$255.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$255.00</b>

3/11/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	1.00			\$85.00		\$0.00	\$0.00	\$85.00
<b>Report Totals:</b>	<b>1.00</b>			<b>\$85.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$85.00</b>

3/19/2021 Remote

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	6.00			\$510.00		\$0.00	\$0.00	\$510.00
<b>Report Totals:</b>	<b>6.00</b>			<b>\$510.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$510.00</b>

**3/24/2021 Remote**

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	3.00			\$255.00		\$0.00	\$0.00	\$255.00
<b>Report Totals:</b>	<b>3.00</b>			<b>\$255.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$255.00</b>

**3/25/2021 Remote**

Report Number: 210702-05251	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	3.00			\$255.00		\$0.00	\$0.00	\$255.00
<b>Report Totals:</b>	<b>3.00</b>			<b>\$255.00</b>		<b>\$0.00</b>	<b>\$0.00</b>	<b>\$255.00</b>































# FIELD REPORT

G 921501-210702-052511  
 Job No YYMMDD HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310

CUSTOMER: Macomb County Public Works DATE: January 12, 2021 JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE-HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	8.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052020  
 Job No      YYMMDD      HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310)

CUSTOMER: Macomb County Public Works      DATE: January 15, 2021      JOB NO: 921501      SHEET 1 OF 2

LOCATION OF WORK: Remote from home      CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on adding the PLC logic for Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	8.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No      YMMDD      HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310)

CUSTOMER: Macomb County Public Works      DATE: February 1, 2021      JOB NO: 921501      SHEET 1 OF 2

LOCATION OF WORK: Remote from Home      CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	3.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No YMMDD HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310

CUSTOMER: Macomb County Public Works DATE: February 25, 2021 JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

### LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	4.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
TOTAL HOURS			4.00				

### EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No YYMMDD HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310)

CUSTOMER: Macomb County Public Works DATE: February 26, 2021 JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

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### LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	8.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

### EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No      YYMMDD      HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310)

CUSTOMER: Macomb County Public Works      DATE: March 5, 2021      JOB NO: 921501      SHEET 1 OF 2

LOCATION OF WORK: Remote from Home      CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	2.50			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS                 

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No      YYMMDD      HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310)

CUSTOMER: Macomb County Public Works      DATE: March 8, 2021      JOB NO: 921501      SHEET 1 OF 2

LOCATION OF WORK: Remote from Home      CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	3.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No      YMMDD      HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310

CUSTOMER: Macomb County Public Works      DATE: March 11, 2021      JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home      CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	1.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No YMMDD HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310)

CUSTOMER: Macomb County Public Works DATE: March 19, 2021 JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

### LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	6.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
TOTAL HOURS			6.00				

### EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No YMMDD HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310

CUSTOMER: Macomb County Public Works DATE: March 24, 2021 JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on PLC programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	3.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







# FIELD REPORT

G 921501-210702-052511  
 Job No      YYMMDD      HHMMSS

MOTOR CITY ELECTRIC TECHNOLOGIES - (313) 921-5300/FAX (313) 923-5310

CUSTOMER: Macomb County Public Works      DATE: March 25, 2021      JOB NO: 921501 SHEET 1 OF 2

LOCATION OF WORK: Remote from Home      CUSTOMER ORDER NO: \_\_\_\_\_

WORK PERFORMED: Worked on SCADA programming of Intermediate Pump #4.  
(BE AS DESCRIPTIVE AS POSSIBLE)

## LABOR

	NAME	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1	Adam Wysocki	ENGINEER	3.00			1	
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

TOTAL HOURS

## EQUIPMENT

	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1	Service Truck	18		35		
2	Pick Up Truck	19		36		
3	Rolling Set Up	20		37		
4	Manlift Scissors to 25'	21		38		
5	Manlift Boom to 40'	22		39		
6		23		40		
7		24		41		
8		25		42		
9		26		43		
10		27		44		
11		28		45		
12		29		46		
13		30		47		
14		31		48		
15		32		49		
16		33		50		
17		34		51		







Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP 220602kB		

### PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Premier Safety	V62291	01	04213857	5/17/2022	\$ 825.50

### CHILD RECORD DETAIL INFORMATION

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	93002	CC0004	93002	WO18006	8 1/2 Mile	Cust #1007555, Order #S4079945	\$ 619.13	GEN		
B	8210072M	93002				Martin	Cust #1007555, Order #S4079945	\$ 123.83	GEN		0
C	8713018M	93002				SEMCWWDS	Cust #1007555, Order #S4079945	\$ 82.54	GEN		0
D											
E											
F											
G											

23. Total: \$ 825.50

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>Multiple</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>6/7/2022</u> 33. Board Date: <u>N/A</u> 34. Select For Pay Date: _____
---	--



33596 Sterling Ponds Blvd  
Sterling Heights, MI 48312  
PH 586-840-3200 FX 586-840-3201

REMIT TO  
Premier Safety  
PO Box 33757  
Detroit MI 48232-3757

### Repair Invoice

INVOICE #	04213857
LOCATION	04
DATE	05/17/22
PAGE	1 of 3

**BILL TO**

1007555  
MACOMB CTY PUBLIC WORKS  
ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
21777 DUNHAM RD  
CLINTON TOWNSHIP, MI 48036-1005

**SHIP TO**

MACOMB CTY PUBLIC WORKS  
33596 STERLING PONDS BLVD  
STERLING HEIGHTS, MI 48312-580

ORDER NUMBER S4079945	ORDER DATE 05/05/22	CUSTOMER P/O NUMBER PW000248	PAYMENT TERMS NET 30 DAYS
CUSTOMER SALES REP MIKE WYLIE	CONTACT KRIS BENDA		SHIP VIA WILL CALL
FREIGHT TERMS RENTAL & SERVICE PICKUP	JOB NUMBER		SALES PERSON DIMITRI PERVOLARAKIS

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
---------------------	---------------	------------------	----------------------	-------	-----	-----------

-----> Description Of Repair Job A <-----

MGPM IS REQUIRED.

-----> Solution Of Repair Job A <-----

MGPM WAS PERFORMED.

THE MONITOR WAS INSPECTED, CALIBRATED & TESTED FOR PROPER OPERATION.

KA415-1081654

C.BW.GASALERTMICROCLIPX3

<b>MGPM</b> MULTIGAS PREVENTATIVE MAINTENANCE	1	1	0	190.0000	EA	190.00
<b>CALGAS</b> CALIBRATION GAS CHARGE	1	1	0	30.0000	EA	30.00

-----> Description Of Repair Job B <-----

MGPM IS REQUIRED.

-----> Solution Of Repair Job B <-----

A NEW SENSOR FILTER WAS INSTALLED.

MGPM WAS PERFORMED.

THE MONITOR WAS INSPECTED, CALIBRATED & TESTED FOR PROPER

8210017M      619.13  
8210072M      123.83  
8713018M      82.54

Continued





33596 Sterling Ponds Blvd  
Sterling Heights, MI 48312  
PH 586-840-3200 FX 586-840-3201

REMIT TO  
Premier Safety  
PO Box 33757  
Detroit MI 48232-3757

**Repair Invoice**

INVOICE #	04213857
LOCATION	04
DATE	05/17/22
PAGE	2 of 3

**BILL TO**

1007555  
MACOMB CTY PUBLIC WORKS  
ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
21777 DUNHAM RD  
CLINTON TOWNSHIP, MI 48036-1005

**SHIP TO**

MACOMB CTY PUBLIC WORKS  
33596 STERLING PONDS BLVD  
STERLING HEIGHTS, MI 48312-580

ORDER NUMBER S4079945	ORDER DATE 05/05/22	CUSTOMER P/O NUMBER PW000248	PAYMENT TERMS NET 30 DAYS
CUSTOMER SALES REP MIKE WYLIE		CONTACT KRIS BENDA	SHIP VIA WILL CALL
FREIGHT TERMS RENTAL & SERVICE PICKUP		JOB NUMBER	SALES PERSON DIMITRI PERVOLARAKIS

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
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OPERATION.

KA415-1073038

C.BW.GASALERTMICROCLIPX3

**MGPM**

MULTIGAS PREVENTATIVE  
MAINTENANCE

1 1 0 190.0000 EA 190.00

**CALGAS**

CALIBRATION GAS CHARGE

1 1 0 30.0000 EA 30.00

**HONMC2-SS**

REPLACEMENT QUAD SENSOR SCREEN  
FILTERS FOR GASALERTMICROCLIP, 2PK

1 1 0 15.5000 EA 15.50

-----> Description Of Repair Job C <-----

MGPM IS REQUIRED.

-----> Solution Of Repair Job C <-----

A NEW OXYGEN SENSOR WAS INSTALLED.

MGPM WAS PERFORMED.

THE MONITOR WAS INSPECTED, CALIBRATED & TESTED FOR PROPER  
OPERATION.

974011321RN

C.RKI.GX-3R

**MGPM**

MULTIGAS PREVENTATIVE

1 1 0 190.0000 EA 190.00

**Continued**





33596 Sterling Ponds Blvd  
Sterling Heights, MI 48312  
PH 586-840-3200 FX 586-840-3201

REMIT TO  
Premier Safety  
PO Box 33757  
Detroit MI 48232-3757

**Repair Invoice**

INVOICE #	04213857
LOCATION	04
DATE	05/17/22
PAGE	3 of 3

**BILL TO**

1007555  
MACOMB CTY PUBLIC WORKS  
ATTN:\*\*\*\*EMAIL INVOICES\*\*\*\*  
21777 DUNHAM RD  
CLINTON TOWNSHIP, MI 48036-1005

**SHIP TO**

MACOMB CTY PUBLIC WORKS  
33596 STERLING PONDS BLVD  
STERLING HEIGHTS, MI 48312-580

ORDER NUMBER S4079945	ORDER DATE 05/05/22	CUSTOMER P/O NUMBER PW000248	PAYMENT TERMS NET 30 DAYS
CUSTOMER SALES REP MIKE WYLIE	CONTACT KRIS BENDA		SHIP VIA WILL CALL
FREIGHT TERMS RENTAL & SERVICE PICKUP	JOB NUMBER		SALES PERSON DIMITRI PERVOLARAKIS

PRODUCT/DESCRIPTION	QUANTITY OPEN	QUANTITY SHIPPED	QUANTITY BACKORDERED	PRICE	U/M	EXTENSION
MAINTENANCE <b>CALGAS</b> CALIBRATION GAS CHARGE	1	1	0	30.0000	EA	30.00
<b>RKIESR-X13P</b> SENSOR O2 FOR GX-3R/GX-3R PRO	1	1	0	150.0000	EA	150.00

MATERIAL/LABOR	TAX	FREIGHT	INVOICE TOTAL
825.50	0.00	0.00	825.50

<a href="http://www.PremierSafety.com">www.PremierSafety.com</a>	PAYMENT APPLIED	0.00
	CREDIT APPLIED	0.00
	BALANCE DUE	825.50

Premier Safety The smart choice for safety and environmental solutions



Mark A. Hackel  
County Executive

# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/4/22

4. SET ID	5. POST DATE
VP220510KA	

**PARENT RECORD INFORMATION**

6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Swan Analytical Instruments	V67870	01	CD10003262-1	4/26/2022	\$ 2,819.00

**CHILD RECORD DETAIL INFORMATION**

Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL		18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)						
A	8210017M	72621	CC0004	72621	WO18006	8 1/2 Mile Relief		Cust #24646; Reagent Sets	\$ 1,350.00	GEN		
B	8210017M	72903	CC0004	72903	WO18006	8 1/2 Mile Relief		Cust #24646; Freight	\$ 59.50	GEN		0
C	8210072M	72621				Martin		Cust #26464; Reagent Sets	\$ 1,350.00	GEN		0
D	8210072M	72903				Martin		Cust #26464; Freight	\$ 59.50	GEN		0
E												
F												
G												

23. Total: \$ 2,819.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief; Martin</u> 31. Project Balance: <u>N/A</u> 32. Staff Date: <u>5/17/2022</u> 33. Board Date: <u>6/13/2022</u> 34. Select For Pay Date: _____
---	--

**Invoice**

**ORIGINAL**



Macomb County PW  
 23001 E. 9 Mile Rd  
 St Clair Shores, MI 48080  
 UNITED STATES

Order No.      Customer No.      Invoice No.      Invoice Date  
 13022435      24646      CD10003262-1      4/26/2022

Your Reference      **Kris Benda**  
 Purchase Order Number      **Verbal Kris 041822**  
 Terms of Payment      **30 Days Net**  
 Real Ship Date      **Apr 26, 2022**  
 Delivery Terms      **FCA Incoterms 2020**  
 Ship Via      **Road transport**  
 Our Reference      **Heather Rich**  
 Our Salesperson      **Kevin Forsman**

Delivery address  
 Macomb County PW  
 23001 E. 9 Mile Rd  
 St Clair Shores, MI 48080  
 UNITED STATES

4/27/22 UPS TRACKING  
 1ZA154F50349700958  
 1ZA154F50350335761

M/F: Attn: Kris Benda

Pos.	Part-No. Description	Sales Qty	Unit Price	Tax %	Net Amount USD
1	A-85.419.200 Reagent set Oxycon On-line KI, 8 sets	4 pcs	\$ 255.00	0%	\$ 1,020.00
2	A-85.410.120 Reagent set Oxycon On-line DPD, 8 sets	4 pcs	\$ 420.00	0%	\$ 1,680.00

Sub Total Amount USD	\$	2,700.00
Freight Charges	\$	119.00
Total Exclusive Tax	\$	2,819.00
Total Tax	\$	-
Invoice Amount	USD	\$ 2,819.00

SWAN ANALYTICAL USA, INC  
 225 Larkin Drive Unit 4  
 US-Wheeling, IL 60090

Phone 847 229 1290  
 Fax 847 229 1320  
[info@swan-analytical-usa.com](mailto:info@swan-analytical-usa.com)  
[www.swan-analytical-usa.com](http://www.swan-analytical-usa.com)

*per kris*  
*50% 8.5*  
*50% Martin*





# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/25/22
4. SET ID		5. POST DATE
VP220526KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Tetra Tech, Inc.	V16060	02	51897666	5/19/2022	\$ 25,573.18

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017C	80138	CC0033	80138	WO21021	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 4/29	\$ 25,573.18	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 25,573.18

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$1,037,626.29</u></p> <p>32. Staff Date: <u><del>6/3/2022</del> 6/7/22</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE  
ENGINEERING INVOICE COVER SHEET**

<b>WORK ORDER NUMBER</b>	WO19004	
<b>PROJECT NUMBER</b>	WWS-2019-003	(Tetra Tech# 200-16347-19001)
<b>PROJECT NAME</b>	In-System Storage Devices	
<b>DRAINAGE DISTRICT</b>	Eight and One-Half Mile Relief Drain Drainage District	
<b>CONSULTANT NAME</b>	Tetra Tech of Michigan	
<b>INVOICE DATE</b>	5/19/2022 (INVOICE 51897666)	
<b>INVOICE START DATE</b>	4/2/2022	
<b>INVOICE END DATE</b>	4/29/2022	
<b>ORIGINAL CONTRACT AMOUNT</b>	<b>\$</b>	<b>481,098.00</b>
<b>CHANGE ORDER TOTAL</b>		
	<b>\$</b>	<b>1,974,409.00</b>
Change Order No. 1	\$	949,435.00
Change Order No. 2	\$	1,024,974.00
Change Order No. 3		
Change Order No. 4		
<b>TOTAL REVISED CONTRACT AMOUNT</b>	<b>\$</b>	<b>2,455,507.00</b>
(includes all approved change orders only)		
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	<b>\$</b>	<b>1,392,307.53</b>
<b>TOTAL AMOUNT DUE THIS INVOICE</b>	<b>\$</b>	<b>25,573.18</b>
<b>TOTAL BUDGET REMAINING</b>	<b>\$</b>	<b>1,037,626.29</b>
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		



**Tetra Tech, Inc.**  
 424 Lewis Hargett Cir.  
 Ste. 110  
 Lexington, KY 40503  
 (859) 223-8000

**BILL TO:** MACOMB COUNTY  
**ATTN:** FINANCE DEPARTMENT  
 OFFICE OF PUBLIC WORKS  
 COMMISSIONER  
 21777 DUNHAM RD  
 PO BOX 806  
 CLINTON TOWNSHIP. MI 48036

**INVOICE NUMBER:** 51897666  
**INVOICE DATE:** 05/19/2022  
**SERVICES THROUGH:** 04/29/2022  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

ESA dated 10 July 2019; Project WWS-2019-003

Client Contact: Vince Astorino

**PROFESSIONAL SERVICES:**

**Project Number** 200-16347-19001 **In-System Storage Devices**

**Top Task** 02B\_TCI **Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Tervo, Jeffrey A.	CAD Technician 2	6.00	\$140.00	\$840.00
<b>TOTAL LABOR</b>		<b>6.00</b>		<b>\$840.00</b>
		<b>SUBTOTAL</b>		<b>\$840.00</b>

Total Top Task# 02B\_TCI **\$840.00**

**Top Task** 02C **Bidding**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Kaliman, Roger G.	Sr Engineer 1	10.00	\$210.00	\$2,100.00
<b>TOTAL LABOR</b>		<b>10.00</b>		<b>\$2,100.00</b>
		<b>SUBTOTAL</b>		<b>\$2,100.00</b>

Total Top Task# 02C **\$2,100.00**

**Top Task** 03 **Construction Administration**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Ard, Timothy W.	Construction Manager 1	23.50	\$190.00	\$4,465.00
Boehmke, Brett	Project Engineer 1	10.75	\$120.00	\$1,290.00
Clinard, Samuel	Engineer I	9.00	\$105.00	\$945.00
Hernandez Davila, Albert D.	Engineer 1	2.00	\$105.00	\$210.00
Johnston, Jeffrey	Engineer 3	0.50	\$115.00	\$57.50
Kaliman, Roger G.	Sr Engineer 1	6.50	\$210.00	\$1,365.00
Paison, William A.	Sr Engineer 1	5.00	\$240.00	\$1,200.00
Rubel, Brian M.	Program Manager	6.00	\$250.00	\$1,500.00
Sissoko, Moussa D.	Project Engineer 2	26.50	\$230.00	\$6,095.00
Weiss, David J.	Sr Constr Project Rep 1	29.00	\$120.00	\$3,480.00
Weston, Cynthia A.	Project Administrator	15.00	\$105.00	\$1,575.00
<b>TOTAL LABOR</b>		<b>133.75</b>		<b>\$22,182.50</b>
		<b>SUBTOTAL</b>		<b>\$22,182.50</b>

**BILL TO:** MACOMB COUNTY  
**ATTN:** FINANCE DEPARTMENT  
 OFFICE OF PUBLIC WORKS  
 COMMISSIONER  
 21777 DUNHAM RD  
 PO BOX 806  
 CLINTON TOWNSHIP, MI 48036

**INVOICE NUMBER:** 51897666  
**INVOICE DATE:** 05/19/2022  
**SERVICES THROUGH:** 04/29/2022  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Field Truck Usage	Vehicles (mile)	361.00	\$0.65	\$234.65
Rubel, Brian M.	Mileage (unit)	107.92	\$0.58	\$63.13
<b>TOTAL OTHER DIRECT CHARGES</b>				<b>\$297.78</b>
			<b>SUBTOTAL</b>	<b>\$297.78</b>

**Total Top Task# 03 \$22,480.28**

**Top Task 03.5 Construction Administration - FKE**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$152.90
<b>TOTAL SUBCONTRACTOR CHARGES</b>		<b>\$152.90</b>
		<b>SUBTOTAL \$152.90</b>

**Total Top Task# 03.5 \$152.90**

**Total Project# 200-16347-19001 \$25,573.18**

**TOTAL AMOUNT DUE THIS INVOICE: \$25,573.18**

Gross Contract Summary	
Contract Amount	\$2,455,507.00
Previously Billed	\$1,392,307.53
Current Billing	\$25,573.18
<b>Total Billed to Date</b>	<b>\$1,417,880.71</b>
Contract Balance Remaining	\$1,037,626.29

**REMIT PAYMENT TO:**

**TETRA TECH, INC.**  
**PO BOX 911967**  
**DENVER, CO 80291-1967**

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.



FK Engineering Associates  
 30425 Stephenson Hwy  
 Madison Heights, MI 48071  
 (248) 817-2946

Tetra Tech  
 Brian Rubel  
 710 Avis Drive - Suite 100  
 Ann Arbor, MI 48108

**INVOICE**

Invoice Date: 04/05/22  
 Total Amount: \$139.00  
 Number: 19-102-019  
 Invoice Period: 03/06/22 - 04/02/22  
 PO Number: **116682614**  
 Project Code: 19-102  
 Project: Macomb In-Line Storage

**INVOICE SUMMARY**

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
CCA:Task 05 Construction Administration				\$139.00
Task 01 - Study Phase	\$23,000.00	\$3,964.05	\$19,035.95	--
Task 02 - Design Phase	\$68,000.00	-\$2,618.67	\$70,618.67	--
	--	--	--	--
CCA				
Task 04 Quality Control	\$113,000.00	\$112,713.75	\$286.25	--
Task 05 Construction Administration	\$17,000.00	\$16,763.75	\$97.25	\$139.00
CCA	\$130,000.00	\$129,477.50	\$383.50	\$139.00
<b>BUDGET TOTALS</b>	<b>\$221,000.00</b>	<b>\$130,822.88</b>	<b>\$90,038.12</b>	<b>\$139.00</b>
<b>TOTAL AMOUNT DUE</b>				<b>\$139.00</b>

Remit payment to: 30425 Stephenson Hwy, Madison Heights, MI 48071  
 Terms: Due upon receipt or per contract



#184671  
 200-16347-192001.03.5  
 SUB. EXT  
 200 REV AA







**FK Engineering Associates**  
 30425 Stephenson Hwy  
 Madison Heights, MI 48071  
 (248) 817-2946

**INVOICE**

Invoice Date: 04/05/22  
 Total Amount: \$139.00  
 Number: 19-102-019  
 Invoice Period: 03/06/22 - 04/02/22  
 PO Number:  
 Project Code: 19-102  
 Project: Macomb In-Line Storage

**Tetra Tech**  
 Brian Rubel  
 710 Avis Drive - Suite 100  
 Ann Arbor, MI 48108

**INVOICE DETAILS**

Source	Date	Code	Description	Hrs / Qnt	Rate	Amount
<b>Professional Fees</b>						
Margaret O'Reilly	03/08/22	10-Administrative Assistant	draft invoice	0.25	\$55.00	\$13.75
Alexa McClain	03/09/22	10-Administrative Assistant	ProjectTeam review with Tim Ard	0.50	\$55.00	\$27.50
Margaret O'Reilly	03/10/22	10-Administrative Assistant	finalize and send invoice	0.25	\$55.00	\$13.75
Nicholas Kacynski, P.E.	03/22/22	04-Project Engineer/Geologist	CAD file	0.25	\$112.00	\$28.00
Nicholas Kacynski, P.E.	03/24/22	04-Project Engineer/Geologist		0.50	\$112.00	\$56.00
			CCA:Task 05 Construction Administration	1.75		\$139.00
			Professional Fees	1.75		\$139.00
			<b>TOTAL FEES/EXPENSES</b>	—		<b>\$139.00</b>

*Ok to pay when paid  
 B. Rubel  
 4/11/22*



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	5/24/22
4. SET ID		5. POST DATE
VP220526KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Tetra Tech, Inc.	V16060	02	51897660	5/19/2022	\$ 143,657.24

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 4/29	\$ 143,657.24	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 143,657.24

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile Relief</u></p> <p>31. Project Balance: <u>\$559,070.76</u></p> <p>32. Staff Date: <u>6/3/2022 6/7/22</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE  
ENGINEERING INVOICE COVER SHEET**

**WORK ORDER NUMBER**

**PROJECT NUMBER**                    **WWS-2021-004**    (Tetra Tech Proj# 200-16347-21002)

**PROJECT NAME**                    9 MILE PUMP STATION DESIGN

**DRAINAGE DISTRICT**            8 1/2 Mile Drainage District

**CONSULTANT NAME**            Tetra Tech of Michigan

**INVOICE DATE**                    5/19/2022                    ( INVOICE 51897660 )

**INVOICE START DATE**            4/2/2022

**INVOICE END DATE**              4/29/2022

<b>ORIGINAL CONTRACT AMOUNT</b>	<b>\$</b>	<b>1,476,428.00</b>
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<b>CHANGE ORDER TOTAL</b>	<b>\$</b>	<b>-</b>
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Change Order No. 1		
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Change Order No. 2		
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Change Order No. 3		
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Change Order No. 4		
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<b>TOTAL REVISED CONTRACT AMOUNT</b>	<b>\$</b>	<b>1,476,428.00</b>
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(includes all approved change orders only)

<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>	<b>\$</b>	<b>773,700.00</b>
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<b>TOTAL AMOUNT DUE THIS INVOICE</b>	<b>\$</b>	<b>143,657.24</b>
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<b>TOTAL BUDGET REMAINING</b>	<b>\$</b>	<b>559,070.76</b>
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(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)



**Tetra Tech, Inc.**  
 424 Lewis Hargett Cir.  
 Ste. 110  
 Lexington, KY 40503  
 (859) 223-8000

**BILL TO:** MACOMB COUNTY  
**ATTN:** FINANCE DEPARTMENT  
 OFFICE OF PUBLIC WORKS  
 COMMISSIONER  
 21777 DUNHAM RD  
 PO BOX 806  
 CLINTON TOWNSHIP, MI 48036

**INVOICE NUMBER:** 51897660  
**INVOICE DATE:** 05/19/2022  
**SERVICES THROUGH:** 04/29/2022  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

Proj WWS-2021-004  
 Client Contact: Vincent Astorino  
**PROFESSIONAL SERVICES:**

Project Number	200-16347-21002	Design, Bidding, and Construction Services for Proposed Nine Mile Pump Station		
Top Task	001	Infrastructure Survey		
OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Paison, William A.	Mileage (unit)	122.30	\$0.59	\$71.55
<b>TOTAL OTHER DIRECT CHARGES</b>				<b>\$71.55</b>
<b>SUBTOTAL</b>				<b>\$71.55</b>
<b>Total Top Task# 001</b>				<b>\$71.55</b>
Top Task	002F	Topographic Survey FTCH		
SUBCONTRACTOR	TYPE	CURRENT AMOUNT		
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$685.13		
<b>TOTAL SUBCONTRACTOR CHARGES</b>				<b>\$685.13</b>
<b>SUBTOTAL</b>				<b>\$685.13</b>
<b>Total Top Task# 002F</b>				<b>\$685.13</b>
Top Task	003	Basis of Design		
EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Voss, Justin D.	Project Engineer 1	4.00	\$195.00	\$780.00
Weston, Cynthia A.	Project Administrator	4.50	\$100.00	\$450.00
<b>TOTAL LABOR</b>		<b>8.50</b>		<b>\$1,230.00</b>
<b>SUBTOTAL</b>				<b>\$1,230.00</b>
<b>Total Top Task# 003</b>				<b>\$1,230.00</b>
Top Task	004	Design 30%		
EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Boehmke, Brett	Project Engineer 1	64.25	\$150.00	\$9,637.50
Clinard, Samuel	Engineer 1	71.00	\$150.00	\$10,650.00
Hernandez Davila, Albert D.	Engineer 1	86.50	\$150.00	\$12,975.00
Kaliman, Roger G.	Sr Engineer 1	130.00	\$195.00	\$25,350.00
Melling, Vickie L.	CAD Technician 3	21.00	\$95.00	\$1,995.00



**BILL TO:** MACOMB COUNTY  
**ATTN:** FINANCE DEPARTMENT  
 OFFICE OF PUBLIC WORKS  
 COMMISSIONER  
 21777 DUNHAM RD  
 PO BOX 806  
 CLINTON TOWNSHIP, MI 48036

**INVOICE NUMBER:** 51897660  
**INVOICE DATE:** 05/19/2022  
**SERVICES THROUGH:** 04/29/2022  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Paison, William A.	Sr Engineer 1	35.00	\$225.00	\$7,875.00
Rubel, Brian M.	Program Manager	12.00	\$250.00	\$3,000.00
Sissoko, Moussa D.	Project Engineer 2	40.50	\$180.00	\$7,290.00
Snable, Madison T.	Engineer 1	51.50	\$95.00	\$4,892.50
Tervo, Jeffrey A.	CAD Technician 2	91.00	\$95.00	\$8,645.00
Trotter Karl, Nicole E.	CAD Technician 2	55.50	\$95.00	\$5,272.50
Ulrich, Matthew A.	Project Engineer 2	14.00	\$180.00	\$2,520.00
Valles Zubia, Ana Sofia	Technician 1	20.00	\$80.00	\$1,600.00
<b>TOTAL LABOR</b>		<b>692.25</b>		<b>\$101,702.50</b>
		<b>SUBTOTAL</b>		<b>\$101,702.50</b>

OTHER DIRECT CHARGES	TYPE	CURRENT QUANTITY	UNIT RATE	CURRENT AMOUNT
Kaliman, Roger George	Mileage (unit)	110.91	\$0.58	\$64.88
Rubel, Brian M.	Mileage (unit)	107.92	\$0.58	\$63.13
<b>TOTAL OTHER DIRECT CHARGES</b>				<b>\$128.01</b>
		<b>SUBTOTAL</b>		<b>\$128.01</b>

Total Top Task# 004 **\$101,830.51**

Top Task 005F CMAr Bidding FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$106.05
<b>TOTAL SUBCONTRACTOR CHARGES</b>		<b>\$106.05</b>
	<b>SUBTOTAL</b>	<b>\$106.05</b>

Total Top Task# 005F **\$106.05**

Top Task 005I CMAr Bidding CBI

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Biagi, James Q.	Sr Architect 2	3.00	\$195.00	\$585.00
D'Isabella, Linda A.	Architect	14.50	\$150.00	\$2,175.00
Ulc, Ota	Sr Arch Designer 2	10.00	\$155.00	\$1,550.00
Warrick, Noelle L.	Graphics Specialist	21.00	\$95.00	\$1,995.00
<b>TOTAL LABOR</b>		<b>48.50</b>		<b>\$6,305.00</b>
		<b>SUBTOTAL</b>		<b>\$6,305.00</b>

Total Top Task# 005I **\$6,305.00**

Top Task 006 Final Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Bauer, Celeste E.	Engineer 2	12.00	\$155.00	\$1,860.00
<b>TOTAL LABOR</b>		<b>12.00</b>		<b>\$1,860.00</b>
		<b>SUBTOTAL</b>		<b>\$1,860.00</b>

**BILL TO:** MACOMB COUNTY  
**ATTN:** FINANCE DEPARTMENT  
 OFFICE OF PUBLIC WORKS  
 COMMISSIONER  
 21777 DUNHAM RD  
 PO BOX 806  
 CLINTON TOWNSHIP, MI 48036

**INVOICE NUMBER:** 51897660  
**INVOICE DATE:** 05/19/2022  
**SERVICES THROUGH:** 04/29/2022  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

**Total Top Task# 006 \$1,860.00**

**Top Task 006E Final Design FKE**

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FK ENGINEERING ASSOCIATES	Subcontractor-External	\$2,835.00
<b>TOTAL SUBCONTRACTOR CHARGES</b>		<b>\$2,835.00</b>

**SUBTOTAL \$2,835.00**

**Total Top Task# 006E \$2,835.00**

**Top Task 006F Final Design FTCH**

<u>SUBCONTRACTOR</u>	<u>TYPE</u>	<u>CURRENT AMOUNT</u>
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$14,049.00
<b>TOTAL SUBCONTRACTOR CHARGES</b>		<b>\$14,049.00</b>

**SUBTOTAL \$14,049.00**

**Total Top Task# 006F \$14,049.00**

**Top Task 006I Final Design CBI**

<u>EMPLOYEE</u>	<u>TITLE</u>	<u>CURRENT LABOR HOURS</u>	<u>LABOR RATE</u>	<u>CURRENT LABOR AMOUNT</u>
D'Isabella, Linda A.	Architect	27.50	\$150.00	\$4,125.00
Graf, Mitchell J.	Project Manager 2	1.00	\$225.00	\$225.00
Reynolds, Mark T.	Architect	11.00	\$150.00	\$1,650.00
Ungerer, Jacob	CAD Technician 2	96.50	\$90.00	\$8,685.00
<b>TOTAL LABOR</b>		<b>136.00</b>		<b>\$14,685.00</b>

**SUBTOTAL \$14,685.00**

**Total Top Task# 006I \$14,685.00**

**Total Project# 200-16347-21002 \$143,657.24**

**TOTAL AMOUNT DUE THIS INVOICE: \$143,657.24**

**BILL TO:** MACOMB COUNTY  
**ATTN:** FINANCE DEPARTMENT  
OFFICE OF PUBLIC WORKS  
COMMISSIONER  
21777 DUNHAM RD  
PO BOX 806  
CLINTON TOWNSHIP, MI 48036

**INVOICE NUMBER:** 51897660  
**INVOICE DATE:** 05/19/2022  
**SERVICES THROUGH:** 04/29/2022  
**FEDERAL TAX ID#:** 95-4148514  
**TERMS:** NET 30

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<b>Gross Contract Summary</b>	
Contract Amount	\$1,476,428.00
Previously Billed	\$773,700.00
Current Billing	\$143,657.24
Total Billed to Date	\$917,357.24
Contract Balance Remaining	\$559,070.76

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**REMIT PAYMENT TO:**  
**TETRA TECH, INC.**  
**PO BOX 911967**  
**DENVER, CO 80291-1967**

To ensure accurate posting, please note the invoice number on your check. Interest will be charged on all past-due amounts per contract terms and conditions.

**Payment Options**  
 Remit Wire/ACH payments to Acct: 100094457 ABA: 072413829  
 Remit checks to: 1515 Arboretum Drive, SE, Grand Rapids, Michigan 49546  
 Remittance Advice: accounts.receivable@fishbeck.com  
 616.575.3824  
 Federal I.D. No. 38-1841857 | Incorporated

**Attention:** Brian Rubel PE  
 Tetra Tech Mps  
 710 Avis Drive Suite 100  
 Ann Arbor, MI 48108  
 United States

**Invoice:** 410536  
**Invoice Date:** 4/21/2022  
**Project:** 210764  
**Project Name:** Macomb Co PW/9 Mile Pump Station  
**Bill Term:** 1

For Professional Services Rendered Through 4/15/2022

*P.O. 1181485: X*

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Infrastructure Survey - 3D Scan	44,000.00	97.00	43,903.00	43,903.00	0.00
2 - Task 2 - Topographical & Boundary Survey	53,000.00	28,794.95	24,857.55	24,205.05	<i>.002F</i> 652.50 (6)
<i>Rate Labor</i>		652.50			
3 - Task 3 - Basis of Design	29,500.00	20.10	29,479.90	29,479.90	0.00
4 - Task 4 - 30% Design	49,500.00	0.50	49,499.50	49,499.50	0.00
5 - Task 5 - CMaR Bidding	12,572.00	10,128.94	2,544.06	2,443.06	<i>.005F</i> 101.00 (3)
<i>Rate Labor</i>		101.00			
6 - Task 6 - Final Design	90,954.00	79,052.00	25,282.00	11,902.00	<i>.006F</i> 13,380.00 (4)
<i>Rate Labor</i>		13,380.00			
				<b>Current Billings</b>	<u>14,133.50</u>
				<b>Amount Due This Bill</b>	14,133.50



*\$103976*  
*200-16397-21002*  
*(6) .002F - 652.50*  
*(3) .005F - 101.00*  
*(4) .006F - 13,380.00*  
*Sub-EXT*  
*200 FEW AA*

*DWA*



2 - Task 2 - Topographical & Boundary Survey

Rate Labor

Class	Hours	Rate	Amount
Senior Engineer	4.50	145.0000	652.50
<b>Total Rate Labor</b>			<b>652.50</b>

5 - Task 5 - CMaR Bidding

Rate Labor

Class	Hours	Rate	Amount
Senior Engineer	0.50	202.0000	101.00
<b>Total Rate Labor</b>			<b>101.00</b>

6 - Task 6 - Final Design

Rate Labor

Class	Hours	Rate	Amount
Senior Engineer	62.00	184.0000	11,408.00
Senior Technician	17.00	116.0000	1,972.00
<b>Total Rate Labor</b>			<b>13,380.00</b>

**Total Bill Task: 6 - Task 6 - Final Design**

**13,380.00**

**Total Project: 210764 - Macomb Co PW/9 Mile Pump Station**

**14,133.50**

OK to pay when paid  
 B. Puhel  
 4/12/22



**FK Engineering Associates**  
 30425 Stephenson Hwy  
 Madison Heights, MI 48071  
 (248) 817-2946

**INVOICE**

**Tetra Tech**

1005 River Street, Suite 1  
 Port Huron, MI 48079

Invoice Date: 4/12/22  
 Total Amount: \$2,700.00  
 Number: 21-078-008  
 Invoice Period: 03/06/22 - 04/09/22  
 PO Number: Project #200-16347-21002  
 Project Code: 21-078  
 Project: Macomb Nine Mile Pump Station

*P.O. 1181484:3*

**INVOICE SUMMARY**

Description	Amount
Basis of Design	--
30% Design (including Sue)	--
Final Design	\$2,700.00
9 Mile Sewer Repair	--

Description	Total Budget	Remaining Budget (\$)	Prior Billing (\$)	This Invoice (\$)
Basis of Design	\$20,000.00	--	\$20,000.00	--
30% Design (including Sue)	\$73,000.00	--	\$73,000.00	--
Final Design	\$22,000.00	\$17,430.00	\$1,870.00	\$2,700.00
9 Mile Sewer Repair	--	--	--	--
<b>BUDGET TOTALS</b>	<b>\$115,000.00</b>	<b>\$17,430.00</b>	<b>\$94,870.00</b>	<b>\$2,700.00</b>
<b>TOTAL AMOUNT DUE</b>				<b>\$2,700.00</b>

Remit payment to:  
 30425 Stephenson Hwy, Madison Heights, MI 48071  
 Terms: Due upon receipt or per contract

*OK to pay when paid*

*B. Ruhl  
 4/14/22*

*#184671*

*200-16347-21002.006E  
 SUB-EXT  
 200 NEW KA*



*AKP*



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) <b>Kellie Kource</b>	2. PHONE # <b>95337</b>	3. DATE <b>6/1/22</b>
4. SET ID <b>VP220602KA</b>	5. POST DATE	

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Weiss Construction	V081320	01	WC22-04-003	5/27/2022	\$ 49,065.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	80126	CC0034	80126	WO21018	8 1/2 Mile	9 Mile Pump Station Pre-Const.	\$ 49,065.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **49,065.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/kk</u>	30. Drain: <u>8 1/2 Mile</u>
26. Chief Deputy: _____	31. Project Balance: <u>\$234,027.50</u>
27. Engineers: _____	32. Staff Date: <u>6/7/2022</u>
28. Managers: _____	33. Board Date: <u>6/13/2022</u>
29. Coordinator: _____	34. Select For Pay Date: _____

**MACOMB COUNTY PUBLIC WORKS OFFICE  
CONSULTANT INVOICE COVER SHEET**

<b>WORK ORDER NUMBER</b>	WO21018		
<b>PROJECT NUMBER</b>	WWS-2022-002		
<b>PROJECT NAME</b>	9 Mile Pump Station - CMaR Pre-construction Services		
<b>DRAINAGE DISTRICT</b>	8-1/2 Mile Relief Drain Drainage District		
<b>CONSULTANT NAME</b>	Weiss Construction Co, LLC		
<b>INVOICE DATE</b>	5/27/2022		
<b>INVOICE START DATE</b>	4/26/2022		
<b>INVOICE END DATE</b>	5/26/2022		
<b>ORIGINAL CONTRACT AMOUNT</b>		\$	360,000.00
<b>CHANGE ORDER TOTAL</b>		\$	-
Change Order No. 1	Date Executed:		
Change Order No. 2	Date Executed:		
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		
<b>TOTAL REVISED CONTRACT AMOUNT</b>		\$	360,000.00
(includes all approved change orders only)			
<b>TOTAL AMOUNT PREVIOUSLY INVOICED</b>		\$	76,907.50
<b>TOTAL AMOUNT DUE THIS INVOICE</b>		\$	49,065.00
<b>TOTAL BUDGET REMAINING</b>		\$	234,027.50
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)			



Task 1A - Design Coordination Services

Rate Labor

<u>Class / Employee</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
<b>Project Executive</b>				
Benjamin Rosenberg, Rotor	5/9/2022	0.50	\$200.0000	100.00
	Review of bid schedule			
<b>Total Project Executive</b>				<b>100.00</b>
<b>Lead Estimator</b>				
Joe Mulville, Weiss	5/3/2022	4.00	\$160.0000	640.00
	5/5/2022	2.00	\$160.0000	320.00
	5/10/2022	2.00	\$160.0000	320.00
	industry awareness prep			
	5/11/2022	6.00	\$160.0000	960.00
	progreess meeting with eng/owner & industry awareness meeting			
	5/12/2022	2.00	\$160.0000	320.00
	review updated drawings provided 5/18/22			
	5/13/2022	4.00	\$160.0000	640.00
	internal team meeting and follow up			
	5/16/2022	4.00	\$160.0000	640.00
	65% Spec review			
	5/17/2022	6.00	\$160.0000	960.00
	65% Spec review			
	5/18/2022	2.00	\$160.0000	320.00
	scope statement adjustments and review			
	5/19/2022	4.00	\$160.0000	640.00
	document review			
	5/20/2022	4.00	\$160.0000	640.00
	Internal team meeting			
	5/21/2022	8.00	\$160.0000	1,280.00
	90% design plan and spec review			
	5/22/2022	4.00	\$160.0000	640.00
	90% design plan and spec review			
<b>Total Lead Estimator</b>				<b>8,320.00</b>
<b>Estimator</b>				
Don Sutton, Weiss	5/18/2022	2.00	\$105.0000	210.00
	Bid Schedule Development Asistance			
	5/23/2022	2.00	\$105.0000	210.00
	Document review for Process Piping			
	5/24/2022	2.00	\$105.0000	210.00
	Document review for Process Piping			
	5/25/2022	1.00	\$105.0000	105.00
	Process Piping Scope distribution			
Jason Axelson, Weiss	5/4/2022	4.00	\$95.0000	380.00
	5/5/2022	2.00	\$95.0000	190.00
	5/11/2022	4.00	\$95.0000	380.00
	Contractor Meet and Great			

	5/12/2022	1.00	\$95.0000	95.00
	Review Contractor Attendance			
	5/13/2022	4.00	\$95.0000	380.00
	Internal Progress Meeting and subsequent follow up			
	5/16/2022	4.00	\$95.0000	380.00
	Document review			
	5/17/2022	2.00	\$95.0000	190.00
	Document review			
	5/18/2022	4.00	\$95.0000	380.00
	Document review			
	5/19/2022	8.00	\$95.0000	760.00
	Document review			
	5/20/2022	6.00	\$95.0000	570.00
	Internal team meeting / Document Review			
	5/21/2022	4.00	\$95.0000	380.00
	Document review			
	5/22/2022	4.00	\$95.0000	380.00
	Document review			
<b>Total Estimator</b>				<b>5,200.00</b>
<b>Project Manager</b>				
Kevin Clarey, Weiss	4/26/2022	2.00	\$115.0000	230.00
	Internal meeting on Bid Advertise			
	5/11/2022	4.00	\$115.0000	460.00
	Attended Industry Awareness Open House			
	5/13/2022	2.00	\$115.0000	230.00
	Work on Bid Packages			
	5/20/2022	6.00	\$115.0000	690.00
	CMAr Meeting & Drawing Review			
Charles Groover, Weiss	4/26/2022	3.00	\$115.0000	345.00
	Invoice			
	5/3/2022	2.00	\$115.0000	230.00
	Followed up with DTE on relocation of power/temporary primary service			
	5/6/2022	2.00	\$115.0000	230.00
	Developed laydown plan.			
	5/9/2022	4.00	\$115.0000	460.00
	Developed laydown plan.			
	5/10/2022	4.00	\$115.0000	460.00
	Edited laydown plan.			
	5/11/2022	4.00	\$115.0000	460.00
	Set up and lead Industry Awareness open house.			
	5/12/2022	4.00	\$115.0000	460.00
	Scanned, copied, & reviewed 80% drawings			
	5/13/2022	8.00	\$115.0000	920.00
	Visit St Clair Shores Building Dept, Review 80% drawings, meeting to discuss process for next 2 weeks			
	5/16/2022	6.00	\$115.0000	690.00
	Review of 80% drawings, requested initiating 2" gas line relocation			
	5/17/2022	8.00	\$115.0000	920.00
	Continued review of 80% drawings			
	5/18/2022	8.00	\$115.0000	920.00
	Forwarded ROW and DTE agreements to MCPWO for signature and check			
	5/19/2022	8.00	\$115.0000	920.00
	Met onsite with DTE, MCPWO and Tetra Tech to review process and timeline for temporary primary service to support East Building.			

	5/20/2022	8.00	\$115.0000	920.00
	Picked up drawings at Arch and Tetra Tech and delivered to St Clair Shores			
	5/21/2022	7.00	\$115.0000	805.00
	Reviewed 90% drawings			
	5/22/2022	6.00	\$115.0000	690.00
	Reviewed 90% drawings			
Scott McGlynn, Rotor	4/26/2022	2.00	\$200.0000	400.00
	Coordinating with TT on changes to gear (new VFD's ) and getting pricing from Eaton			
	4/27/2022	2.00	\$200.0000	400.00
	Progress Meeting			
	5/4/2022	2.00	\$200.0000	400.00
	Phone Calls, emails back and forth with Robert Mazey, and Charles Groover regarding East Building power feed. Preparation of the existing and proposed riser diagram for East Bulding			
	5/5/2022	1.00	\$200.0000	200.00
	Conversation with Groover regarding MV Feed to East Building			
	5/6/2022	1.00	\$200.0000	200.00
	Develop Load Letter & Riser for East Bulding			
	5/9/2022	0.50	\$200.0000	100.00
	Review of Bid Schedule.			
	5/10/2022	1.00	\$200.0000	200.00
	More discussion on work at East Building.			
	5/11/2022	5.00	\$200.0000	1,000.00
	More discussion on East Building and needs of DTE (Email between SM & Marco williams. Prepare estimates for East Building temp power costs. Attend Progress meeting. Attend Industry Awareness			
	5/12/2022	1.00	\$200.0000	200.00
	Discussion with TT & Weiss regarding temp service, setting on top of manhole, etc.			
	5/13/2022	1.00	\$200.0000	200.00
	Getting pricing on Switchgear for East Building			
	5/16/2022	2.00	\$200.0000	400.00
	More discussion on East Building temp service. Review of "80%" Cmar drawings.			
	5/17/2022	0.50	\$200.0000	100.00
	Discussion regarding Prevailing wage			
	5/18/2022	1.00	\$200.0000	200.00
	Discussion of East Building and getting to finish line by August. Contacting various used gear suppliers trying to find something.			
	5/23/2022	1.00	\$200.0000	200.00
	Provide detailed list of equipment needed and details of where to get and what pricing.			
	5/24/2022	1.00	\$200.0000	200.00
	Stop at warehouse, get photos of Gear, put a hold on the gear to support the project, send them off to Groover et al.			

Total Project Manager 15,440.00

**Total Bill Task 1A - Design Coordination Services 29,060.00**

**Task 1B - GMP Development & Negotiation**

**Rate Labor**

<u>Class / Employee</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Lead Estimator				
Joe Mulville, Weiss	5/23/2022	8.00	\$160.0000	1,280.00
GMP				
	5/24/2022	8.00	\$160.0000	1,280.00
GMP				



	5/25/2022	8.00	\$160.0000	1,280.00
GMP				
	5/26/2022	8.00	\$160.0000	1,280.00
GMP				
<b>Total Estimator</b>				<b>5,120.00</b>
<b>Estimator</b>				
Jason Axelson, Weiss	5/23/2022	8.00	\$95.0000	760.00
Produce GMP				
	5/24/2022	8.00	\$95.0000	760.00
Review Bid Scopes				
	5/25/2022	8.00	\$95.0000	760.00
Solicit Bid Scopes				
	5/26/2022	8.00	\$95.0000	760.00
Produce GMP				
<b>Total Estimator</b>				<b>3,040.00</b>
<b>Project Manager</b>				
Kevin Clarey, Weiss	5/23/2022	4.00	\$115.0000	460.00
Reviewed 90% drawings. Reviewed items to be included on GC list. Updated bid packages.				
	5/24/2022	4.00	\$115.0000	460.00
Reviewed 90% drawings. Reviewed 90% drawings together. Updated bid packages				
	5/25/2022	4.00	\$115.0000	460.00
Send Out Bid Packages				
	5/26/2022	1.00	\$115.0000	115.00
Send Out Bid Packages				
Charles Groover, Weiss	4/26/2022	1.00	\$115.0000	115.00
Industry Awareness Meeting Advertisement, Advertising Strategy				
	4/27/2022	8.00	\$115.0000	920.00
Updated Contractor List, Sent Advertisement to MCPWO				
	4/28/2022	6.00	\$115.0000	690.00
Made calls to subcontractors, Sent out draft bid packs				
	4/29/2022	4.00	\$115.0000	460.00
Made calls to subcontractors, Sent out draft bid packs				
	5/3/2022	1.00	\$115.0000	115.00
Made calls to subcontractors, Sent out draft bid packs				
	5/4/2022	8.00	\$115.0000	920.00
Made calls to subcontractors, Sent out draft bid packs				
	5/5/2022	8.00	\$115.0000	920.00
Made calls to subcontractors, Sent out draft bid packs				
	5/6/2022	4.00	\$115.0000	460.00
Developed powerpoint presentation, made calls and sent out draft bid packs				
	5/9/2022	4.00	\$115.0000	460.00
Developed powerpoint presentation				
	5/10/2022	4.00	\$115.0000	460.00
Edited powerpoint presentation				
	5/11/2022	4.00	\$115.0000	460.00
Updated schedule, set up and lead Industry Awareness open house.				
	5/12/2022	4.00	\$115.0000	460.00
Sent out presentation/sign in sheet				
	5/16/2022	2.00	\$115.0000	230.00
Started looking at GCs				
	5/23/2022	8.00	\$115.0000	920.00



Reviewed 90% drawings. Reviewed items to be included on GC list. Updated bid packages.				
5/24/2022	8.00	\$115.0000	920.00	
Reviewed 90% drawings. Reviewed 90% drawings together. Updated bid packages				
5/25/2022	8.00	\$115.0000	920.00	
Revised bid packages, sent bid packages to subs on list				
5/26/2022	8.00	\$115.0000	920.00	
Prepared invoice, Made calls to bidders				

Total Project Manager 11,845.00

**Total Bill Task 1B - GMP Development and Negotiation 20,005.00**

**Total Project: WWS-2022-002 - Macomb Co 9 Mile Pump Station CMAr Pre-Construction Services 49,065.00**



# ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

## PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Kellie Kource	95337	6/1/22
4. SET ID		5. POST DATE
VP220602 KA		

PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Wiles Sales	V086821	01	129605	5/18/2022	\$ 4,800.00

CHILD RECORD DETAIL INFORMATION											
Line	General Ledger		Job Ledger		16. Work Order Number	OPTIONAL	18. Description (MAX = 30 CHARACTERS)	19. Amount	20. DIV	21. MISC	22. Sep CK
	12. Org Key	13. Object	14. Cost Center (CCNT)	15. Object		17. Secondary Reference (MAX = 16 CHARACTERS)					
A	8210017M	97002	CC0004	97002	WO18006	8 1/2 Mile	Kuboto	\$ 4,750.00	GEN		
B	8210017M	72903	CC0004	72903	WO18006	8 1/2 Mile	Delivery Fee	\$ 50.00	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 4,800.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Kuboto

<p>25. Finance Officer: <u>BM/kk</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>8 1/2 Mile</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>6/7/2022</u></p> <p>33. Board Date: <u>6/13/2022</u></p> <p>34. Select For Pay Date: _____</p>
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**R. H. WILES SALES, INC.**

10273 Mount Hope Road  
Carson City, MI 48811-9748  
Phone: 989-584-3836  
Toll Free: 800-584-1076  
Fax: 989-584-6449  
wilessales@wilessales.com  
www.wilessales.com

Ship To: MACOMB COUNTY PUBLIC WORKS  
23001 E 9 MILE  
ST CLAIR SHORES, MI 48080

**INVOICE**

CUSTOMER PO #  
PW000251

INVOICE #: **129605**  
INVOICE DATE: 05/18/2022  
SHIP DATE: 04/27/2022  
SHIPPED VIA: OUR TRUCK  
CUSTOMER #: 13322  
ORDER #: 137888  
ORDER DATE: 04/27/2022

Bill To: MACOMB COUNTY PUBLIC WORKS  
23001 E 9 MILE  
ST CLAIR SHORES, MI 48080

ITEM #	QUANTITY		DESCRIPTION	LIST PRICE	NET PRICE	EXT PRICE
	ORDER	SHIP				
HLA-PTOHFB0500	1	1	PTO 3PT ADAPTER - HIGH FLOW	4,762.00	4,750.00	4,750.00
	Serial #		22LA10070			

PW000251

PLEASE MAKE CHECK PAYABLE TO: R. H. WILES SALES, INC.

PLEASE REMIT A COPY WITH YOUR PAYMENT

TOTAL NET	4,750.00
DELIVERY	50.00

Terms: NET 10

A FINANCE CHARGE OF 1 1/2% PER MONTH (18% PER YEAR WILL BE ADDED TO BALANCES AFTER 30 DAYS)

**PLEASE PAY => 4,800.00**

Please remit to: **R. H. WILES SALES, INC.**  
10273 Mount Hope Road  
Carson City, MI 48811-9748

CERTIFICATE UNDER AGRICULTURAL PRODUCING EXEMPTION  
All items, exempt as indicated hereon, are purchased for use or consumption in connection with the production or horticultural or agricultural products as a business enterprise. Sales or Use Taxes due which are not collected by Gasoline Tax Division will be paid directly by purchaser to Department of Revenue. Illegal use of this certificate subjects persons to penalties of the Sales Tax Act.

**Budget to Actual**  
**8.5 Mile Relief**  
**As of May 31, 2022 = 67%**

DESCRIPTION	2022 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
Interest Earned	30,000		7,813	22,187	26.0%
Other Revenue	4,000		3,447	553	86.2%
8.5 O&M/Charge Required Revenue	4,748,520		4,748,520	-	100.0%
PY Revenue-Fund Balance	3,840,000			3,840,000	0.0%
Use of SCADA Reserve	147,950		-	147,950	0.0%
<b>Total Revenue Accounts</b>	<b>8,770,470</b>	<b>-</b>	<b>4,759,780</b>	<b>4,010,690</b>	<b>54.3%</b>
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	10,380		7,234	3,146	69.7%
<b>Engineering</b>					
As needed Engineering	75,000		16,763	58,237	22.4%
9 Mile PS-const Admin/Const Mgr at risk	2,537,390			2,537,390	0.0%
Cost Share Army corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Pump Station Design-Use of Capital Reserve	147,950			147,950	0.0%
9 Mile Pump Station Design-Was Flushing	797,090		504,337	292,753	63.3%
9 Mile Bypass Structural Repairs-Construction/CA	730,590		510,306	220,284	69.8%
Chapaton Improvements-Lab Relocation <sup>(1)</sup>	-		21,254	(21,254)	100.0%
Canal Rehab(Using funds received from EGLE)	-		37,944	(37,944)	100.0%
Pumping and screening improvements <sup>(2)</sup>	-		80,256	(80,256)	100.0%
In-System Storage-Construction & Const Admin <sup>(3)</sup>	2,250,000		345,983	1,904,017	15.4%
New Equipment	28,590		20,821	7,769	72.8%
Office Supplies	500		137	363	27.4%
Operating Supplies	65,400		30,613	34,787	46.8%
Other Professional Svcs	36,000		10,465	25,535	29.1%
Personnel Services	1,032,200		551,781	480,419	53.5%
Repair & Maintenance	197,000		110,294	86,706	56.0%
Contribution to Reserve	288,240		288,240	-	100.0%
Scada System	138,040		24,104	113,936	17.5%
Utilities	267,600		194,744	72,856	72.8%
<b>Total Expense Accounts</b>	<b>8,770,470</b>	<b>-</b>	<b>2,761,276</b>	<b>6,009,194</b>	<b>31.5%</b>

	O&M Balance 9/30/2021	O&M	Total 5/31/2022
<b>Cash - Operating</b>	12,229,091	1,998,504	14,227,595
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		4,759,780	4,759,780
<b>Expenditures</b>		2,761,276	2,761,276
			0
<b>Equity*</b>	12,229,091		14,227,595

**Detail of 2021 Equity\***

In-System Storage Design/Const Admin/Const	2,242,472	Capital Reserve	1,199,905
9 Mile Pump Station Design	1,130,932	SCADA Reserve	129,870
9 Mile Bypass Struct Rprs-Const/CA	635,989	LSCWWI 04B Transfer	738,112
Disinfection system upgrade (Design and Construction)	14,255	Contribution from Macomb Cty	2,000,000
Chapaton Improvements-Lab/Office Space <sup>(1)</sup>	237,749	In System Contrib from SEMSD	1,000,000
As-Needed Engineering	61,595	MEDC Grant-Design ISS <sup>(3)</sup>	373,355
Pave side road that goes to the basin deck	15,000	SRF Replacement Reserve	2,332,930
Chlorine storage tank #3 relining	7,500		
Firewall Hardware Design/Config	12,900		
Obsolete Wireless backhaul replacement links	16,120		
Fiber Optic Improvements	16,130		
SolarWinds - Network Management Software	9,670		
Pumping and screening improvements <sup>(2)</sup>	54,608		