

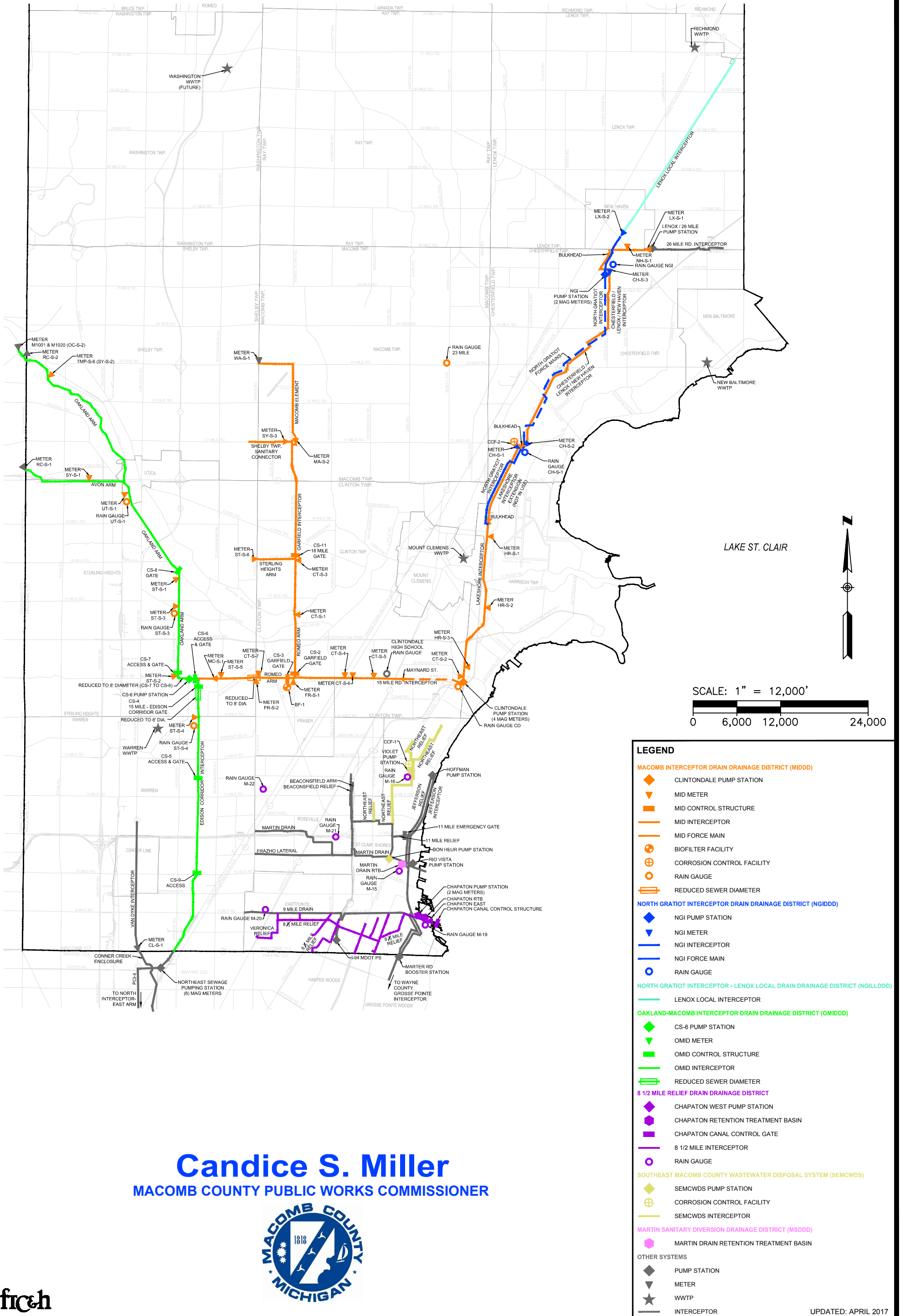
EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
SEPTEMBER 13, 2021
10:15 A.M.
AGENDA

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

**Call in Number: 1-434-481-1283
Access Code: 289 083 706**

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for September 13, 2021	
3. Approval of Minutes for August 9, 2021	3
4. Public Participation	
5. Project Updates – Vince Astorino	6
6. 8 ½ Mile Petitioned Improvements – Approval of Project Plans and Tentative Cost Apportionments – Brian Baker/Vince Astorino	11
Motion: To adopt the resolution approving the plans and specifications for the 8 ½ Mile improvements, the tentative apportionment of costs, and setting of a public hearing on apportionment objections for October 18, 2021.	
7. Chapaton Pump Inspection - Vince Astorino	26
Motion: To approve the sole source quote of \$43,646 from Kerr Pump and Supply for the inspection of three Chapaton stormwater pumps.	
8. Consideration for approval of invoices (see attached)	28
9. Financial Report – Bruce Manning	200
10. Adjourn	

MACOMB COUNTY WASTEWATER SYSTEMS



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



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, and virtually per the State Public Act 254 of 2020, on August 9, 2021, at 10:31 A.M.

PRESENT: Candice S. Miller, Chair

Veronica Klinefelt, Member
Location: Eastpointe, Michigan

Bryan Santo, Member

ALSO PRESENT: Don VanSyckel, Macomb County Board of Commissioners; Stephen Downing, Construction & Maintenance Manager, Brian Baker, Chief Deputy, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Dan Acciavatti, Deputy Government Relations, Denise Harwood, Fiscal Analyst, Macomb County Public Works; Sydney Hilgendorf, Sterling Heights; Ben Aloia, Attorney

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of July 12, 2021 were presented. A motion was made by Ms. 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 updated the board that we received 3.23 inches of rain on July 16th. 76.5 million gallons of treated flow was discharged with good water quality numbers, and we did not need the emergency bypass. Due to all the major rain events, we are bringing in companies who have worked on the pumps to do a full work through on the pumps and motors to make sure everything is still operating as we need it to. A second rain event was 1.6 inches in an hour and we did not have to discharge due to engaging our new operational storage practices.

The Chapaton pump & screen project will be closed out in September.

The disinfection project and lab & mezzanine projects are in their final stages.

The basin repairs are close to complete with work started in the aeration chamber, and we are close to submitting the plan for the 9 Mile drain repairs.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Baker and Mr. Manning updated the board on the proposed 2021/22 Eight and One-Half Mile Relief Drain budget. The budget was also presented to the communities with a breakdown of the budget so they know where their money is being spent. The expected increase was 5%, with the actual budget coming in at 4.9%.

A motion was made by Ms. Klinefelt, supported by Mr. Santo to approve the 2021/22 Eight and One-Half Mile Relief Drain budget and revenue requirement for the fiscal year beginning October 1, 2021.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$258,195.00 to the board for review and approval.

A motion was made by Ms. 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 Mr. Santo and supported by Ms. Klinefelt.

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 10:48 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 August 9, 2021 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: 8/9/21



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: September 13, 2021

Subject: Construction Projects Status Updates for the September 2021 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

Wet Weather Event 1: August 12, 2021

Rainfall: 1.86 inches

Treated Discharge Volume: 58.1 MG

Water Quality Numbers: 12 cts / 100 ml geometric mean (Permit maximum is 300 cts/ml)

Description: While the rain totals are not that significant, this was an intense rain event where the majority of the total rain fell within one hour. All three storm pumps were required at near maximum capacity and the emergency bypass was close to being activated. All equipment performed well and MCPWO were able to avoid using the emergency bypass gates during this event by maximizing the 8 ½ Mile tunnel.

Chapaton Pump & Screen Project

Contractor: J.F. Cavanaugh

Engineering Consultant: HRC

Project Description:

This project consists of the replacement of the influent bar screens, addition of a third intermediate pump, and replacement of the manhole covers located at level B3 within the Chapaton Pump Station. The bar screens have reached the end of their useful life and are critical to protecting the pumps to not allow large objects to enter the wet well. The third intermediate pump is being installed as a redundant measure for dewatering of the in-system storage increased stored flows. The manhole covers are being replaced with pressure rated sealed covers to allow staff to raise the operating level of the wet well by 6 feet. This will provide approximately 3 million gallons of additional storage and will provide additional pumping capacity for the stormwater pumps.

Significant project tasks that have occurred over the past month:

1. Working on final change order and project close-out.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$1,162,522.00
Change Order #1	2/25/20	\$40,000.00
Change Order #2	2/26/20	(\$136,200.00)
Revised Contract Amount		\$1,066,272.00
Total Spent to Date	1/19/21	\$986,628.00
Remaining Budget		\$79,644.00

Chapaton & Martin Disinfection Replacement Project

Contractor: Weiss Construction

Engineering Consultant: Wade Trim

Project Description:

This project consists of the complete replacement of the disinfection systems at Chapaton and Martin. Macomb County Public Works Office (MCPWO) staff identified that a critical capital improvement need for the Chapaton and Martin RTB's was the replacement of the disinfection systems. These are systems that were installed in approximately 1978 and have exceeded the end of their useful life. MCPWO staff has worked diligently to keep the existing disinfection pumps in service as they are prone to failure and require expensive, difficult to obtain parts.

The project involves all disinfection chemical feed pumps, new electrical controls and VFDs, and new disinfection and sample piping within the Chapaton RTB.

Significant project tasks that have occurred over the past month:

1. Completed miscellaneous punchlist items
2. Received training from Ingersoll-Rand on new air compressor in East Building
3. Performed final walk-thru in East Building and within RTB

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$995,925.00
Change Order #1	12/16/20	(\$16,337.83)
Change Order #2	04/28/21	(\$21,333.02)
Revised Contract Amount		\$958,254.15
Total Spent to Date	Pay Apps #1-9	\$856,669.73
Remaining Budget		\$101,584.42

Chapaton Lab & Mezzanine Project

Contractor: Cross Construction

Engineering Consultant: Fishbeck

Project Description:

This project consists of relocating the Lab to the Chapaton East Building to allow for the complete overhaul of the Mezzanine level within the Chapaton Pump Station which includes new crew quarters, conference room, kitchen area, and SCADA control room. All areas were original to the facility dating back to 1968 and in need of improvements.

Significant project tasks that have occurred over the past month:

1. Performed miscellaneous punchlist items
2. Continued assembling close-out documents (as-builts, O&M manuals, warranties, etc.)

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$667,777.00
Change Order #1	03/31/21	\$4,508.19
Change Order #2	04/28/21	\$5,659.38
Revised Contract Amount		\$677,944.57
Total Spent to Date	Pay Apps #1-9	\$633,790.48
Remaining Budget		\$44,154.09

Chapaton Basin and 9 Mile Drain Structural Repairs Project

Contractor: Pullman

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. Began demolition work in 9-Mile Drain
2. Patched back small repairs in 9-Mile Drain (no shoring required)
3. Obtained approvals from NTH and St. Clair Shores for traffic control, shoring, etc.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$736,950.00
Total Spent to Date	Pay App #1-3	\$148,873.50
Remaining Budget		\$588,076.50



Figure 2 – Typical 9MD repair area – after demo, before patch



Figure 3 – 9MD ceiling damage – after demo, before patch



Figure 4 – 9MD ceiling damage – after patch



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: September 8, 2021

Subject: 8 ½ Mile Relief In-System Storage & 9 Mile Pump Station Board Petition

The following pages of attachments will serve as the plans, specifications, and estimated costs to construct the In-System Storage Device and 9 Mile Pump Station. As the board is aware, both of these projects are in design with Tetra Tech. Both are new projects for the district and are required to go through a formal petition process.

The current plan to bring these two projects out to bid is as follows:

- In-System Storage
 - Out to bid for construction = 10/19/21
 - Bids due back = 12/1/21
 - Board meeting for approval = 12/13/21
- 9 Mile Pump Station
 - Out to bid for Construction Manager at Risk = January 2022
 - Bid opening = 2/3/22
 - Board meeting for approval = 2/14/22
 - 60% Guaranteed Maximum Price from CMaR = 5/9/22

INTEROFFICE MEMORANDUM

Macomb County Public Works Office (MCPWO)

TO: 8 ½ Mile Relief Drain Drainage District

FROM: Eric Geerlings, Project Engineer, Tetra Tech

RE: 8 ½ Mile Relief Drain In-System Storage Devices – Project Summary and Operation Narrative

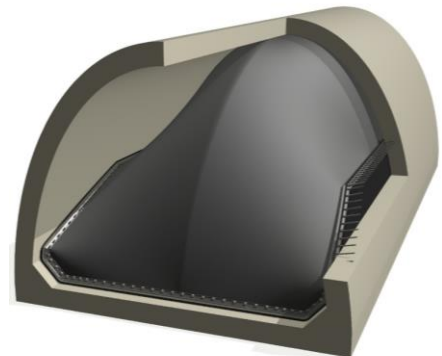
This memorandum has been compiled to provide a project summary and overall operation narrative.

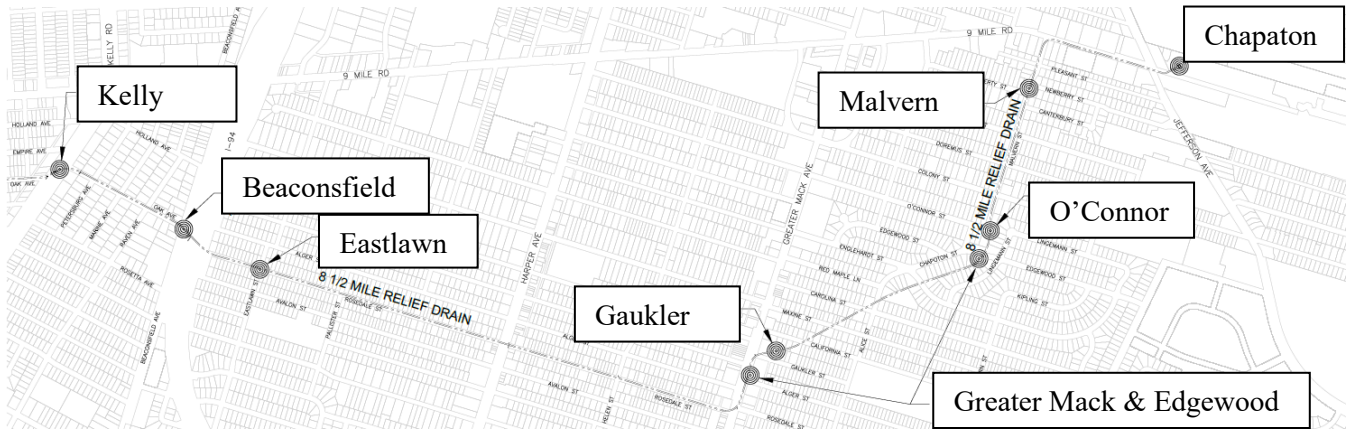
Project Summary:

- **Why**
 - The purpose of the project is to improve water quality in Lake St. Clair by reducing the volume of combined sewer overflow (CSO) annually by an average of over 50 Million Gallons per year.
 - Currently, during many wet weather events the up to 12-foot diameter pipe flows only partially full, leaving much of the 8 ½ Mile Relief Drain empty. Despite this fact, an average of ~7 events a year result in a treated CSO from the Chapaton Pump Station and Retention Treatment Basin.

- **What**
 - In-system storage devices have been identified as a means to temporarily retain flow in the sewer to maximize the effectiveness of the existing infrastructure.
 - In this case, the project will be installing an inflatable rubber dam at Beaconsfield Ave on the farthest eastern border of Eastpointe (see figure on the next page).
 - A new concrete chamber is built around the existing sewer pipe to enable safe installation and operation of the system (in-line dam, bypass, and bypass control gates).

- **How it works (basic operations narrative)**
 - Real time control rules will operate the devices, as overseen remotely in the control room at Chapaton Pump Station.
 - Whenever large wet-weather events occur the dam will be left in the deflated position to allow full sewer flow capacity.
 - During small rain events the inflatable dam will be inflated to retain flow in the pipe upstream.
 - Venting sites will prevent trapped air scenarios.





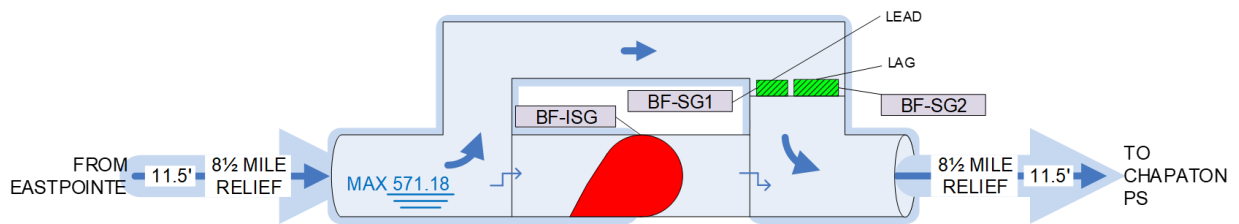
• **Individual Site Locations and Scope (from West to East)**

- Kelly – venting
- Beaconsfield – storage devices, control building, generator, venting
- Eastlawn – level sensor
- Gaukler – venting
- Greater Mack & Edgewood & O’Connor – manhole cover upgrades
- Malvern– flow meter sensor, venting
- Chapaton Pump Station –updates to overall system controls scheme

Detailed Operation Narrative

- The Beaconsfield storage site includes an inflatable dam (referred to as an inflatable sewer gate, ISG) in the pipe, and a bypass with sluice gates.
- A real-time control scheme will use sensor data to set operation modes (like wet weather - steady state).

Equipment Positioning at Beaconsfield in Wet Weather - Steady State Mode



LEGEND

 Gate Normally Closed	 ISG Normally Open (Deflated)
 Gate Normally Open	 ISG Closed (Inflated)
 Gate Modulates	
XX-XXX Equipment Tag	

	BEACONSFIELD		
	SG1 DEWATER	SG2 BYPASS	ISG
DRY WEATHER	OPEN	OPEN	AT REST
WET WEATHER - STORAGE	CLOSED	CLOSED	INFLATED
WET WEATHER - STEADY STATE	MODULATES	MODULATES	INFLATED
WET WEATHER - VERY HIGH LEVEL	OPEN	OPEN	DEFLATED
WET WEATHER - DEWATERING	MODULATES	CLOSED	INFLATED

- Operational control rules for all expected operating conditions are listed below:
 - Dry weather: Convey all dry weather flows in the 8-1/2 Mile Relief Drain through each bypass.
 - Wet weather – storage phase: All inflows intercepted and stored at in-line storage site.
 - Wet weather – steady state (storage nearly full): Inflows conveyed through by-pass gates to protect upstream high grade line, while establishing a downstream flow in case of an emergency deflation of the ISG upon very high level.
 - Wet weather – very high level: Max. inflows through by-pass gates as the ISG deflates.
 - Wet weather – dewatering: Drain in-line storage volume towards Chapaton Pump Station.
 - Extreme wet weather in forecast – Operators can remotely override to keep all gates open.

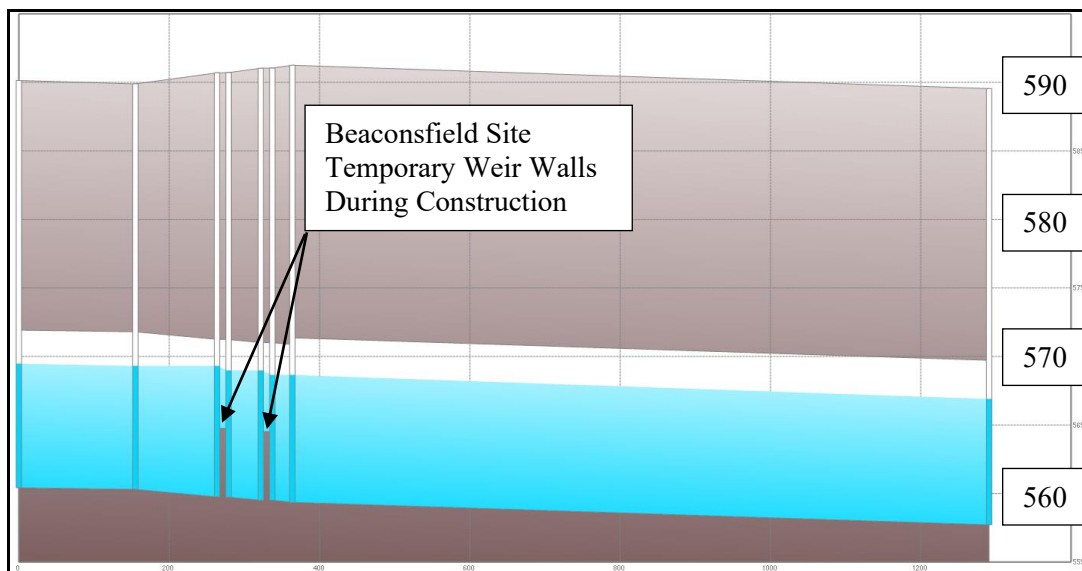
Answers to Specific Questions:

Why is a control building and generator required?

- An above ground control building is needed for the air compressors, hydraulic system, and control panels, etc.
- In case power is lost the generator will be used to power the control devices and monitoring instrumentation.

Are there any potential impacts to basement flooding in upstream homes during or after construction?

- Computer model analysis of the project’s post-construction impact on sewer levels during the 25-year, 24-hour design storm show just a 0.16-foot increase to peak water levels west of Beaconsfield Ave. With the inflatable dam completely deflated at the site, only minor energy loss is caused by the approximately 2-foot tall concrete equipment pad the inflatable dam is installed on. This energy loss analysis was conservative since the bypass gates were assumed to be closed at each storage site.
- Estimates of the project’s impact to water levels during construction indicate a 0.1-foot increase to peak water levels during 10-year, 24-hour design storms. Flow in the sewer pipe will be fully maintained throughout construction using the bypass channels that will be built first, and the temporary partial height bulkheads in the pipe. The in pipe partial height bulkheads will be in use for about 6-weeks and this phase of construction will be scheduled during a drier season.



Predicted Water Level During 10-year, 24-hour Design Storm at Beaconsfield Site

Please let me know if you need any further explanation of anything described in this memorandum.

Eric Geerlings, PE
Project Engineer, Tetra Tech

**OPINION OF PROBABLE CONSTRUCTION COST
TETRA TECH**

710 Avis Drive, Ann Arbor, MI 48108

Telephone: (734) 665-6000 FAX: (734) 665-2570

PROJECT: Eight and One-Half Mile Relief Drain Drainage District: In-System Storage
 LOCATION: St. Clair Shores and Eastpointe, Michigan.
 BASIS FOR ESTIMATE: CONCEPTUAL PRELIMINARY FINAL
 WORK: Macomb County Public Works Office (MCPWO)
95% Design Review: Summary of Costs

DATE: 9/8/2021
 PROJECT NO. 200-16347-19001
 ESTIMATOR: E. Geerlings
 CHECKED BY: NOT YET COMPLETED
 CURRENT ENR: 12463.13

ITEM NO.	DESCRIPTION	QUANT.	UNIT	UNIT AMOUNT	TOTAL AMOUNT
1	DIVISION 1				
2	Allowance for Electrical Service and Relocation Fees	1	LS	\$100,000	\$100,000
3	Allowance for Gas Service and Relocation Fees	1	LS	\$10,000	\$10,000
4	Allowance for Water Service and Relocation Fees	1	LS	\$10,000	\$10,000
5	Allowance for Permit Fees	1	LS	\$5,000	\$5,000
6	Contractor General Overhead and Profit (includes Bonds, Insurance, Temporary Facilities, etc.)	1	LS	\$630,000	\$630,000
7	Difficulty Factors including Confined Spaces Work and Phasing	1	LS	\$100,000	\$100,000
8	Sub Total (Division 1)				\$855,000
9					
10					
11	BEACONSFIELD AVE. SITE				
12	Basic Site Civil Work, Demolition & SESC & Site Restoration & Traffic Control	1	LS	\$403,900	\$403,900
13	Temporary Earth Retention System	1	LS	\$1,100,000	\$1,100,000
14	Process Below Grade Excavation & Concrete & Structural & Dewatering	1	LS	\$1,250,500	\$1,250,500
15	Equipment Installation & Commissioning (Inflatable Dam, Sluice Gates, Blowers, Control Panels)	1	LS	\$2,011,000	\$2,011,000
16	Control Bldg, Generator, Elec., Mech., Arch., Controls, Instrumentation, Prog., Security, Venting	1	LS	\$1,042,000	\$1,042,000
17	Sub Total (Beaconsfield Ave. Site)				\$5,807,400
18					
19					
20	TWO SEPARATE BUT SIMILAR VENTING SITES (KELLY AND GAUKLER)				
21	Site Prep & SESC & Site Restoration & Traffic Control	1	LS	\$88,000	\$88,000
22	Temporary Earth Retention System and Dewatering	1	LS	\$145,000	\$145,000
23	Process Below Grade Civil & Structural	1	LS	\$223,000	\$223,000
24	Venting Systems	1	LS	\$109,000	\$109,000
25	Sub Total (Two Separate But Similar Venting Sites - Kelly and Gaukler)				\$565,000
26					
27					
28	MALVERN AND LIBERTY (MH-001) SITE				
29	Site Prep & SESC & Site Restoration & Traffic Control	1	LS	\$52,000	\$52,000
30	Install Accusonic Flowmeter and Control Panel and Telemetry	1	LS	\$209,300	\$209,300
31	Process Below Grade Civil & Structural & Dewatering	1	LS	\$20,000	\$20,000
32	Venting Systems	1	LS	\$184,000	\$184,000
33	Sub Total (Malvern and Liberty MH-001 Site)				\$465,300
34					
35					
36	OTHER 8-1/2 MILE DRAIN PROJECT SCOPE & SITES				
37	Replace Level Sensor at Eastlawn and Rosedale and update Controls / Telemetry	1	LS	\$31,000	\$31,000
38	Manhole Cover Equipment with Bolt-Down Lids for All Minor Venting Sites	1	LS	\$14,000	\$14,000
39	Manhole cover road work, saw-cutting, removal, replacement, traffic control for the misc. sites.	1	LS	\$30,000	\$30,000
40	Chapaton Pump Station updates to Telemetry - Comcast Business and backup Cellular	1	LS	\$5,000	\$5,000
41	Sub Total (Other 8-1/2 Mile Drain Project Scope & Sites)				\$80,000
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55	SUB TOTAL				\$7,772,700
56	CONTINGENCIES	10.0	%		\$777,300
57	OPINION OF PROBABLE CONSTRUCTION COST				\$8,550,000
58					
59					
60					
61					
62					
63	ENGINEERING, LEGAL, ADMINISTRATIVE, OBSERVATION, STAKING, TESTING, ETC.				
64	Legal Services	0.2	%	\$16,000	\$16,000
65	Design Engineering	1	LS	\$950,000	\$950,000
66	Programming Allowance for Chapaton Pump Station (overall Real-Time Control)	1	LS	\$50,000	\$50,000
67	Planning Commission Review Fees	1	LS	\$5,000	\$5,000
68	Geotechnical Monitoring	1	LS	\$50,000	\$50,000
69	Construction Staking	1	LS	\$25,000	\$25,000
70	Contract Administration	1	LS	\$320,000	\$320,000
71	Construction Observation & Material Testing	1	LS	\$600,000	\$600,000
72	Engineering, Legal, Administrative, Observation, Staking, Testing, Etc. (without contingency)				\$2,016,000
73					
74					
75					
76					
77					
TOTAL ESTIMATED PROJECT COST					\$10,566,000

To: 8 ½ Mile Relief Drain Drainage District and MCPWO Project Reviewers

From: Eric Geerlings, P.E.

Date: September 8, 2021

Subject: 9 Mile Pump Station Project Summary and Operation Narrative

This memorandum has been compiled to provide a project summary and overall operation narrative.

1.0 PROJECT BACKGROUND AND SCOPE SUMMARY

- **Project Background and Problem Statement**

The Southeast Macomb Sanitary District Wastewater Master Plan discussed that high lake levels diminish the level of service that can be provided by the 9 Mile Drain, Chapaton Pump Station, and Chapaton Retention Treatment Basin during extreme rain events. In addition, the Wastewater Master Plan discussed that the Chapaton Pump Station does not have firm capacity for a 10-year, 24-hour design storm event. If one wet weather pump fails, the capacity of the Chapaton Pump Station will be inadequate.

- **Existing Risks to be Addressed by the Project**

- Unable to bypass 9 Mile Drain flow to canal during high Lake St. Clair Levels
- Large storm events can surcharge 9MD and lead to street flooding and property damage
- Chapaton Pump Station firm capacity is not large enough to convey 10-year storm flows
 - Installing a dedicated pump station for 9 Mile Drain flows decreases flow to Chapaton PS

- **Summary of Project Scope**

- New 9 Mile Pump Station Facilities
 - Odor control room
 - Screening room
 - West wet well
 - Four constant speed wet weather pumps
 - East wet well
 - Two variable speed wet weather pumps
 - Two variable speed dewatering and flushing pumps
 - Electrical room
 - Containing a dedicated incoming power feed from DTE
 - Switchgear and motor control center
 - Natural Gas Generators room
 - Two generators (capacity for full 9 Mile PS or 1 Chapaton PS wet weather pump)
 - Multiple sluice gates enabling:
 - Gravity flow into lowest portions of Chapaton RTB
 - Self-cleaning of wet wells
 - Bypassing gravity flow to canal (only when lake levels are sufficiently low)
 - Flushing of RTB

- Other Major Equipment Updates:
 - Removal of multiple existing 9EB sluice gates at the end of their service life
 - Abandonment of existing RTB flushing pumps at the end of their service life
 - Replace Chapaton PS electrical switchgear at the end of its service life (TBD)
 - Replace 9EB dewatering gate at the end of its service life (TBD)
 - Modifications to existing disinfection system controls and equipment (TBD)
 - Remove old generator for Chapaton Pump Station (TBD)

The project scope locations have been summarized using Figure 2-1 and Figure 2-2.

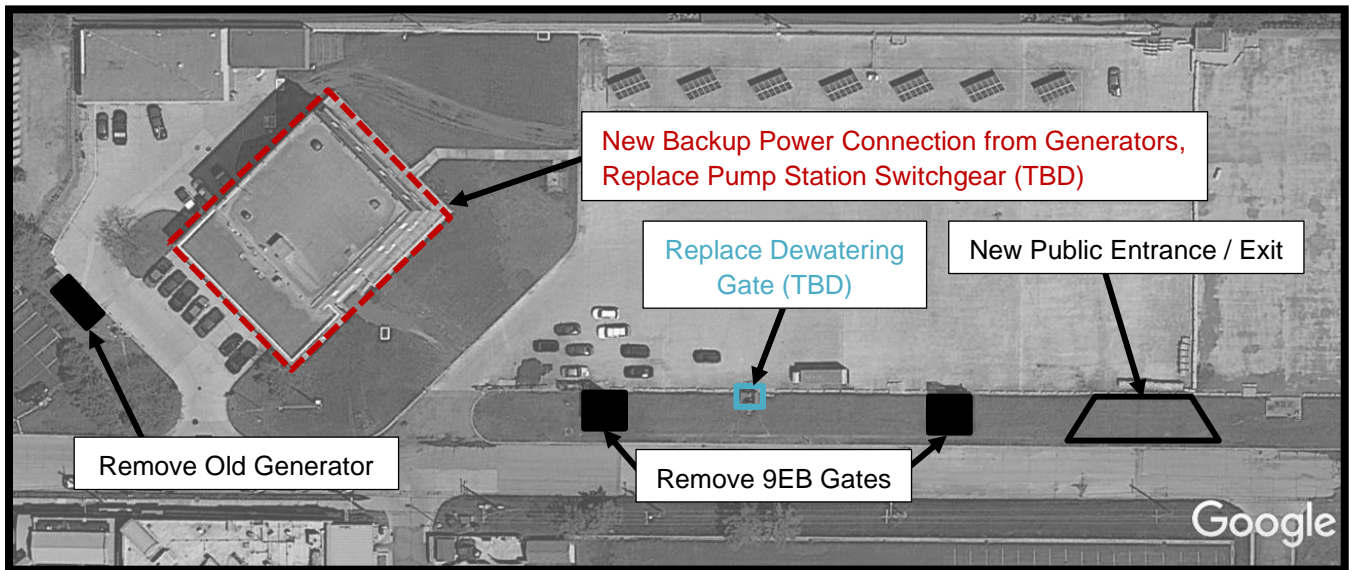


Figure 1-1. Western Facilities to be Installed or Modified in the 9 Mile Pump Station Project

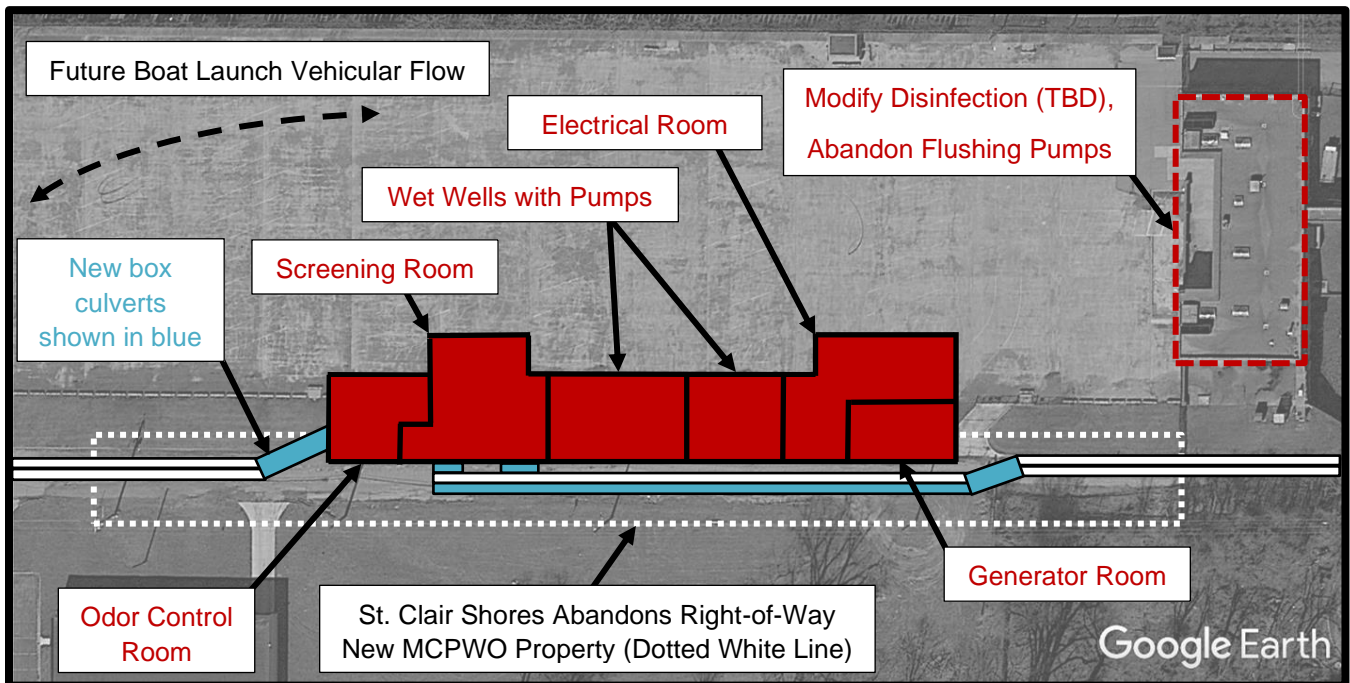


Figure 1-2. Eastern Facilities to be Installed or Modified in the 9 Mile Pump Station Project

2.0 OPERATIONS NARRATIVE

The 9 Mile Pump Station will be designed to maximize operational flexibility to minimize operational costs and risks. A variety of pump sizes and types were selected to maximize efficiency across the range of expected flows. Redundancy has also been provided to reduce risk.

2.1 CAPABILITIES AND MODES OF OPERATION

The 9 Mile Pump Station will be capable of handling wet weather flows, flushing the RTB, and self-cleaning modes of operation. Each of those capabilities can be exercised in multiple ways as outlined below:

- **Wet Weather Modes of Operation**
 - Gravity flow 9 Mile Drain flow via new basin gates into lower levels of RTB
 - Gravity flow bypass the 9 Mile Drain directly to the Canal
 - Pumping Scenarios
 - Two variable-speed pumps convey up to approximately 150 CFS
 - Three fixed-speed pumps convey up to approximately 450 CFS
 - Other combinations of fixed/variable-speed pumps up to firm capacity of 600 CFS
- **Chapaton RTB Flushing and Dewatering Modes of Operation**
 - Flush RTB using existing distribution pipe and nozzle system using backflow canal water
 - Dewater both 9EB and 9M-PS wet wells using the same flushing/dewatering pumps
- **Self-Clean Wet Well Modes of Operation**
 - Self-Clean West Wet Well using two 75 CFS pumps in east wet well
 - Flow from 9 Mile Drain
 - Backflow from canal via 9EB
 - Self-Clean East Wet Well using two smaller dewatering pumps in east wet well
 - Flow from 9 Mile Drain
 - Backflow from canal via 9EB

3.0 ANSWERS TO SPECIFIC STAKEHOLDER QUESTIONS

Will construction of the new pump station diminish service provided by Chapaton Pump Station & RTB?

Construction of the 9 Mile Pump Station will be phased so the Chapaton Pump Station and Retention Treatment Basin can remain in service. The capability of the 9EB to convey gravity flow to the canal will also be maintained throughout construction. A box culvert will be added to the south side of the existing 9EB to maintain functionality.

Is the public boat launch going to be removed or impacted in any way by this project?

It is possible that public access to the 9 Mile Boat launch may be reduced or even suspended during construction of the 9 Mile Pump Station. However, upon completion of the project, public access to the 9 Mile public boat launch will be restored via a new driveway located further west.

Why is the new pump station being built in the public right-of-way? And how is that possible?

The City of St. Clair Shores is currently responsible for the roadway, but has agreed to vacate some of the right-of-way in order to make construction and longer term operation of this pump station feasible.

Preliminary Opinion of Probable Project Cost

Fishbeck

Project: 8 1/2 Mile Relief Drain Drainage District - SRF 5685-01 Project Plan Amendment
 Client: Macomb County Public Works Office
 Description: Alternative 1: Project 1: 9 Mile pump Station

Date: 2/16/2021
 Project No. 190051
 Prepared By: Tetra Tech

Item No.	Item Description	Est. Qty	Unit	Unit Price (\$)	Total Cost (\$)
9 Mile Pump Station - Project Cost					
DIVISION 1					
	Software Programming Allowance	1	LS	\$ 125,000	\$125,000
	Gas Service Allowance	1	LS	\$ 5,000	\$5,000
	Electric Service Allowance	1	LS	\$ 15,000	\$15,000
	Construction Permits Allowance	1	LS	\$ 20,000	\$20,000
	Construction Sequencing/Difficulty Factor	1	LS	\$ 250,000	\$250,000
	Job Crane Rental	18	Month	\$ 10,000	\$180,000
	Temporary Walls	1	LS	\$ 300,000	\$300,000
	Temporary Access Opening(s) Into Basin	1	LS	\$ 75,000	\$75,000
	Confined Space Work Factor	1	LS	\$ 150,000	\$150,000
	Bonds, Insurance, Temporary Facilities, etc.	1	LS	\$ 1,406,000	\$1,406,000
INTAKE					
	Soil Erosion & Sediment Control	1	LS	\$ 3,500	\$3,500
	Demo Floor Openings for Screens	2	EA	\$ 10,000	\$20,000
	Demo Floor Openings for Gates	4	EA	\$ 5,000	\$20,000
	Relocate Existing Utilities, 2" CL, FLW	1	LS	\$ 15,000	\$15,000
	Dewatering	120	Day	\$ 800	\$96,000
	Drive Improvements for Screenings Handling	1	LS	\$ 100,000	\$100,000
	Screenings Building Super Structure, Assume Block and Brick	400	SFT	\$ 250	\$100,000
	Ladders, Hatches and Misc. Metal	1	LS	\$ 75,000	\$75,000
	Screenings Bldg and Intake Chambers Concrete Foundations	40	CYD	\$ 500	\$20,000
	Walls & Columns	125	CYD	\$ 700	\$87,500
	Supported Slab	10	CYD	\$ 900	\$9,000
	Add For Increased Structure Size	1	LS	\$ 117,000	\$117,000
	Painting and Waterproofing	1	LS	\$ 50,000	\$50,000
	Water Supply For Screenings Bldg.	1	LS	\$ 5,000	\$5,000
	Service Water System in Building	1	LS	\$ 7,500	\$7,500
	Sluice Gates, Motor Operated	4	EA	\$ 150,000	\$600,000
	Screens, Duperon with Screenings Conveyor	2	EA	\$ 400,000	\$800,000
	Screenings Building HVAC	1	LS	\$ 100,000	\$100,000
	Hoists, Portable	1	LS	\$ 20,000	\$20,000
	Electrical & Instrumentation	1	LS	\$ 629,000	\$629,000
PUMP STATION					
	Soil Erosion & Sediment Control	1	LS	\$ 3,500	\$3,500
	Concrete Demo	1	LS	\$ 150,000	\$150,000
	New Site Drive and Road Improvements For Access to Top of RTB	1	LS	\$ 100,000	\$100,000
	Dewatering	240	Day	\$ 800	\$192,000
	Sheeting Inside Basin	1800	SF	\$ 50	\$90,000
	Earth Retention System Outside of Basin	5400	SF	\$ 30	\$162,000
	Wet Well Excavation Inside RTB, Difficult	950	CYD	\$ 200	\$190,000
	Elec Bldg Column Excavation Inside RTB, Difficult	60	CYD	\$ 200	\$12,000
	Wet Well and Bldg Excavation Outside RTB	3000	CYD	\$ 100	\$300,000
	Auger Cast Pilings, Difficult Access	1280	LF	\$ 150	\$192,000
	Auger Casting Pilings - Load Testing	1	LS	\$ 20,000	\$20,000
	Wet Well Concrete Foundation	150	CYD	\$ 500	\$75,000
	Walls	200	CYD	\$ 700	\$140,000
	Supported Slab	40	CYD	\$ 900	\$36,000
	Fillets	1	LS	\$ 20,000	\$20,000
	Pump Building Super Structure, Assume Block and Brick	2100	SFT	\$ 250	\$525,000
	Add For Increased Structure Size	1	LS	\$ 319,000	\$319,000
	Elec Bldg Concrete Foundation	40	CYD	\$ 500	\$20,000
	Columns and Pile Caps	12	CYD	\$ 700	\$8,400
	Supported Slab - Beams	40	CYD	\$ 900	\$36,000
	Elec Building Super Structure, Assume Block and Brick	1500	SFT	\$ 250	\$375,000
	Add For Increased Structure Size	1	LS	\$ 176,000	\$176,000
	Transformer Foundation	1	EA	\$ 15,000	\$15,000
	Generator Foundation	1	EA	\$ 30,000	\$30,000
	Painting and Waterproofing	1	LS	\$ 85,000	\$85,000
	Pumps, 170 cfs (75,000 gpm), 42" Disc	4	EA	\$ 600,000	\$2,400,000
	Pump Motor, 600 HP	4	EA	\$ 400,000	\$1,600,000
	VFD	4	EA	\$ 500,000	\$2,000,000
	Discharge Pipe, 54"	40	LF	\$ 2,500	\$100,000

Preliminary Opinion of Probable Project Cost

Fishbeck

Project: 8 1/2 Mile Relief Drain Drainage District - SRF 5685-01 Project Plan Amendment
 Client: Macomb County Public Works Office
 Description: Alternative 1: Project 1: 9 Mile pump Station

Date: 2/16/2021
 Project No. 190051
 Prepared By: Tetra Tech

Item No.	Item Description	Est. Qty	Unit	Unit Price (\$)	Total Cost (\$)
	Fittings	8	EA	\$ 12,500	\$100,000
	Floor Penetrations, 54"	4	EA	\$ 12,000	\$48,000
	Sump and Sump Pump System	1	EA	\$ 25,000	\$25,000
	Service Water System in Building	1	LS	\$ 20,000	\$20,000
	Natural Gas System	1	LS	\$ 10,000	\$10,000
	Pump Building HVAC	1	LS	\$ 40,000	\$40,000
	Elec Building HVAC	1	LS	\$ 80,000	\$80,000
	Ladders, Hatches and Misc. Metal	1	LS	\$ 150,000	\$150,000
	Generator, 2 MW	1	LS	\$ 1,750,000	\$1,750,000
	Electrical & Instrumentation	1	LS	\$ 2,757,000	\$2,757,000
	EFFLUENT				
	Modification to Chlorination Treatment	1	LS	\$ 25,000	\$25,000
	Auger Cast Pilings, Difficult Access	640	LF	\$ 150	\$96,000
	Energy Dissipator Concrete Foundation	20	CYD	\$ 500	\$10,000
	Columns	6	CYD	\$ 700	\$4,200
	Supported Slab - Beams	13	CYD	\$ 900	\$11,700
	Pipe, 36"	48	LF	\$ 550	\$26,400
	Fittings & Short Spool Pieces	4	EA	\$ 2,750	\$11,000
	Floor Penetrations, 36"	4	EA	\$ 10,000	\$40,000
	MISCELLANEOUS				
	Miscellaneous Site Work Allowance	1	LS	\$ 100,000	\$100,000
	Traffic Control	1	LS	\$ 20,000	\$20,000
A	Sub Total				\$20,097,000
	Contingency		%	30	\$6,030,000
B	Preliminary Opinion of Probable Construction Cost				\$26,127,000
	Engineering Services (Design/Permitting/Geotech/Survey/CE/CM)		%	20	\$5,225,400
	Owner Administrative Costs		%	2	\$522,600
	Easements & ROWs		LS		\$0
	Legal & Financial		%	1	\$261,300
C	Preliminary Opinion of Probable Total Cost				\$32,136,300
Project 1: 9 Mile Pump Station - O&M Costs					
D	Annual O&M Costs		%	0.5	\$130,700
E	Present Worth of O&M Costs (Assume -0.5% and 20 years)				\$2,755,000
Project 1: 9 Mile Pump Station - 20 Year Salvage Costs					
1	Site (50yrs)	1	LS		\$180,000
2	Concrete/Building/Structural (50yrs)	1	LS		\$2,342,880
3	Bar Screen (50 yrs)	1	LS		\$480,000
4	Gates (30 yrs)	1	LS		\$200,000
5	Pumps (20 yrs)	1	LS		\$0
6	Mechanical Equipment (20 yrs)	1	LS		\$0
7	Electrical components (20 yrs)	1	LS		\$0
F	Total Salvage Value				\$3,202,880
G	Present Worth of Salvage Value (Assume -0.5% and 20 years)				\$3,541,000
H	Present Worth Project cost				\$31,350,300

In providing opinions of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labor, equipment or materials, or over market conditions or the Contractor's method of pricing.

The Consultant's opinions of probable construction costs are made on the basis of the Consultant's professional judgement and experience.

The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's opinion of probable construction cost.



**DRAINAGE BOARD
OF THE 8 1/2 MILE DRAIN DRAINAGE DISTRICT**

8 1/2 MILE DRAIN

RESOLUTION NO. 3

At a Regular meeting of the 8 ½ Mile Drain Drainage Board, held at
21777 Dunham Road, Clinton Township, MI 48036 on the September 13, 2021, at 10:15 a.m.:

PRESENT: _____

ABSENT: _____

The following resolution was offered by _____

WHEREAS, the duly designated engineers for the Construction of Improvements to the 8 ½ Mile Drain have presented to the Chairperson of this Drainage Board plans, specifications, and estimated costs; and

WHEREAS, this Drainage Board has duly considered the plans, specifications, and estimated costs of the construction; and

WHEREAS, Section 468 of the Michigan Drain Code, PA 40 of 1956, as amended, provides that before any tentative apportionment of costs of any drain project may be made, the Drainage Board shall designate the area(s) to be served by the drain project, which may or may not include all of the area in any public corporation to be assessed; and

WHEREAS, the duly designated engineers for the Construction of Improvements to the 8 ½ Mile Drain have reported to this Drainage Board their recommendations as to the description and boundaries of the area to be served by the project; and

WHEREAS, this Drainage Board has carefully considered the proper apportionment of costs of the Construction of Improvements to the 8 ½ Mile Drain to the public corporations receiving benefits therefrom.

NOW, THEREFORE, BE IT RESOLVED by the 8 ½ Mile Drain Drainage Board, as follows:

1. The plans, specifications, and estimated costs of the Construction of Improvements to the 8 ½ Mile Drain, as submitted by Tetra Tech Inc., be and same are hereby duly approved and adopted by this Drainage Board.
2. Said plans, specifications, and estimated costs be filed forthwith with the Chairperson of this Drainage Board.
3. The area described in **Exhibit A**, attached hereto and made a part hereof, is hereby designated and determined to be the area to be served by the Construction of Improvements to the 8 ½ Mile Dain.
4. This Drainage Board tentatively establishes the percentage of the cost of the Construction of Improvements to the 8 ½ Mile Drain to be borne by the public corporations benefited and affected thereby as follows:

CITY OF ST. CLAIR SHORES, Macomb County, Michigan for benefits to the public health	25.13%
CITY OF EASTPOINTE, Macomb County, Michigan for benefits to the public health	54.33%
COUNTY OF MACOMB, Michigan for benefits to county roads	4.50%
MICHIGAN DEPARTMENT OF TRANSPORTATION for benefits to state highway	16.04%

5. This Drainage Board will meet on the October 18, 2021, at 10:00 A.M. at 21777 Dunham Road, Clinton Township, MI 48036, for the purpose of hearing any objections to such apportionment.

6. The notice of the meeting on objections to apportionments shall be in substantially the form of **Exhibit B**.
7. The notice shall be published twice in the Macomb Daily, a newspaper published in the County of Macomb, with the first publication to be not than twenty (20) days prior to the time of the hearing.
8. The notice shall also be sent by the Chairperson of this Board by registered mail to (1) the Director of the Michigan Department of Transportation, (2) County Clerk of the County of Macomb, (3) the Macomb County Road Department, (4) the City Clerk for the City of St. Clair Shores, and (5) the City of Clerk for the City of Eastpointe, which mailings shall not be less than twenty (20) days prior to the time of the hearing.
9. All prior resolutions and parts of prior resolutions insofar as they conflict with the provisions of this resolution are hereby rescinded.

Yeas: _____

Nays: _____

RESOLUTION DECLARED ADOPTED

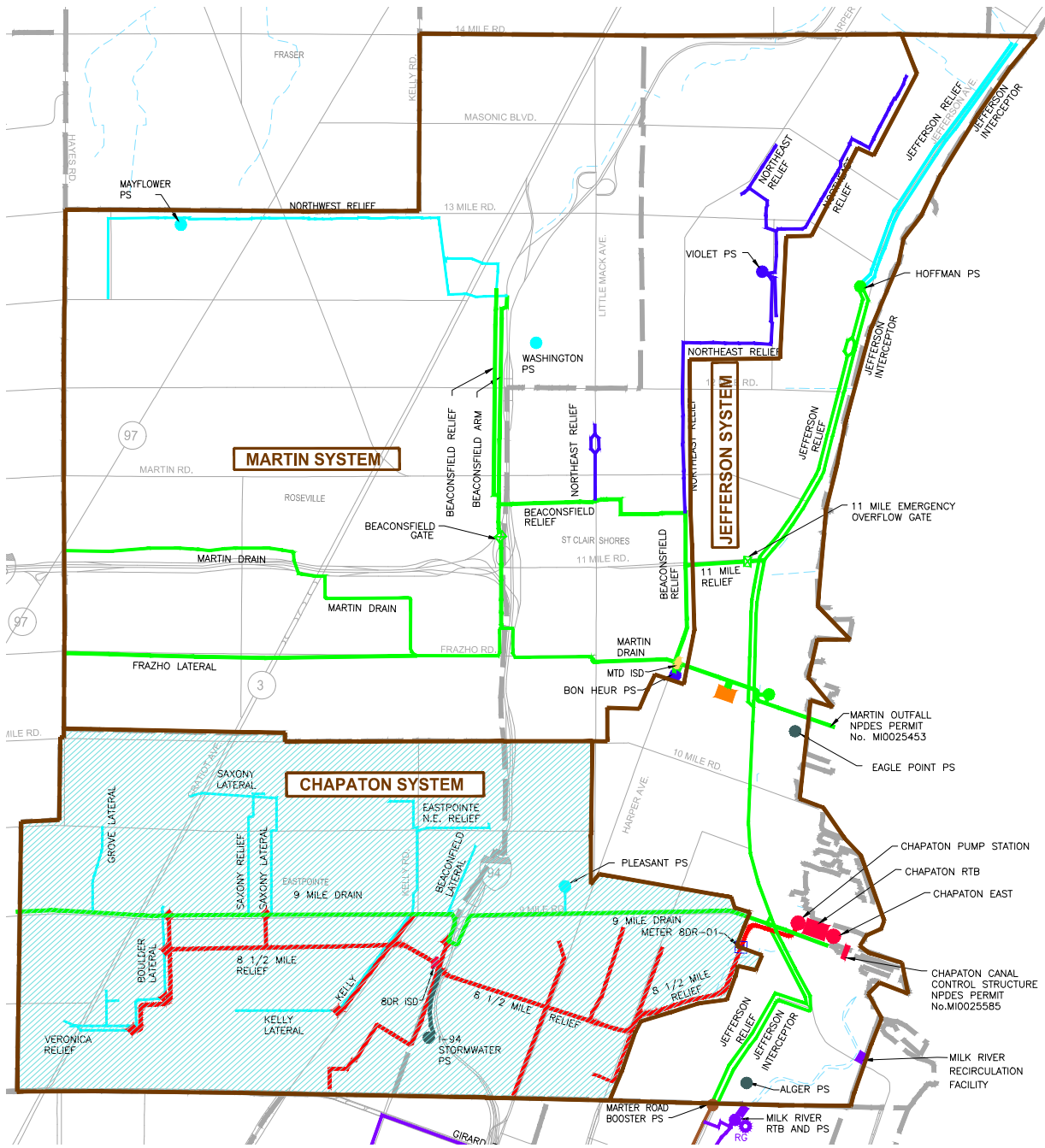
I, the undersigned, the duly qualified and acting Chairperson of the 8 ½ Mile Drain Drainage Board, do hereby certify that the foregoing is a true and complete copy of certain proceedings taken by the 8 ½ Mile Drain Drainage Board at a meeting held on September 13, 2021 and further certify that the above Resolution was adopted at said meeting.

 Candice S. Miller
 Chairperson of the Drainage Board



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

PROJECT NO.

181053

3.6

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



8 1/2 MILE DRAIN DRAINAGE DISTRICT

EXHIBIT B

8 1/2 MILE DRAIN

NOTICE OF PUBLIC HEARING

DATE: October 18, 2021

TIME: 10:00 a.m.

LOCATION: 21777 Dunham Road, Clinton Township, MI 48036

QUESTIONS: (586) 307-8210

PLEASE TAKE NOTICE that the cost of the Construction of Improvements to the 8 ½ Mile Drain have been determined by the 8 ½ Mile Drain Drainage Board (“Drainage Board”) on September 13, 2021 to be tentatively apportioned as follows:

CITY OF ST. CLAIR SHORES, Macomb County, Michigan for benefits to the public health	25.13%
CITY OF EASTPOINTE, Macomb County, Michigan for benefits to the public health	54.33%
COUNTY OF MACOMB, Michigan for benefits to county roads	4.50%
MICHIGAN DEPARTMENT OF TRANSPORTATION for benefits to state highway	16.04%

PLEASE TAKE FURTHER NOTICE that the Drainage Board will meet at the above date, time and location for the purpose of hearing any objections to said apportionment.

Proceedings conducted at this public meeting will be subject to the provisions of the Michigan Open Meetings Act. Information regarding this meeting may be obtained from the Macomb County Public Works Commissioner’s Office located at 21777 Dunham Road, Clinton Township, MI 48036.

Persons with disabilities needing accommodations for effective participation in the meeting should contact the Drain Commissioner at the number listed above or through the Michigan Relay Center at 7-1-1 (TDD) at least 24 hours in advance of the meeting to request mobility, visual, hearing or other assistance.

Dated: _____

Candice S. Miller
Drainage Board Chairperson



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: September 1, 2021

Subject: Fairbanks Morse Stormwater Pump Inspection – Contractor Recommendation

Macomb County Public Works Office (MCPWO), on behalf of the 8 ½ Mile Relief Drain Drainage District, is recommending a full inspection of the three (3) Fairbanks Morse stormwater pumps at the Chapaton Pump Station. Since the end of June 2021, the Chapaton Pump Station has experienced 3 significant wet weather events which have pushed the 3 large pumps beyond their design capabilities. This has raised temperatures within the pump motors above safe limits. The 3 stormwater pumps were rebuilt in the late 2000's and while proper maintenance has taken place since that time they have not been fully inspected by the pump manufacturer.

MCPWO has reached out to the pump representative which is Kerr Pump and Supply to get pricing on having a Fairbanks Morse technician come and perform a full inspection. This inspection will include items such as the following to name a few:

- Visual inspection of the pump blades and pitch control.
- Checking that the blades and bowl assembly are within an acceptable tolerance.
- Checking motor operation.

This is anticipated to be a 3-day operation assuming we will get through one pump per day. Once the visual inspections outside and inside the pump take place we will then use Lake St. Clair water to activate the pumps and test operation while the technician is on site.

Due to long lead times of even getting a technician out to the site, MCPWO has issued the PO to Kerr to schedule this work. It is currently scheduled to happen the week of September 20th.

Ultimately this is a recommendation to the board to move forward with this inspection. The pumps have performed well and worked beyond their design capabilities. MCPWO feels it is critical to maintain this high level of service for the residents of Eastpointe and St. Clair Shores and ensuring that the equipment is running properly is part of that. The total cost for this inspection is \$43,646 and while it is not budgeted MCPWO feels it is necessary.

Attachments: Kerr Pump and Supply Quote 08-12-21



Quote Date
8/12/2021

PO Number
KRIS BENDA

Quoted By
Joe Ash
Municipal Sales
Manager

Quote Number
QTE204815

Bill To:

MACOMB COUNTY - PUBLIC WORKS
21777 Dunham Road
michelle.houvener@macombgov.org
CLINTON TWP, MICHIGAN 48036, MI 48046

Ship To:

MACOMB COUNTY - PUBLIC WORKS
21777 Dunham Road
michelle.houvener@macombgov.org
CLINTON TWP, MICHIGAN 48036, MI 48046

PO Number	Ship Method	Salesperson		Exp Ship	Pay Terms	Customer No.
KRIS BENDA	DELIVERY BY SALESMAN	38			N30	MACOM008
Item	Description	Quantity	B/O	U of M	Unit Price	Extended Price
CONFIGURE FAIRBANKS MORSE	PUMP INSPECTION CHAPATON PS MACOMB CTY MI S/Ns 800282, 283 AND 284. 1 TRIP, 3 DAY PERIOD Scope of Work: <ul style="list-style-type: none"> - Visually Inspect the Exterior of the Pumps - Visually Inspect Blades of the Pumps - Visually Inspect the Bowl Liner of the Pumps - Check Motor Operation - Check Blade Tip Clearance Between the Blade and Bowl is within Tolerance - Check that the Pitch Control is Operating as Intended - Check for any Leakage from Enclosed Lineshaft - Check Bowl Bearing Clearance and Condition 	3	0	EA	\$13,882.00	\$41,646.00
CONFIGURE FAIRBANKS MORSE	PER DAY IF ADDITIONAL DAY NEEDED ABOVE 3. This Is the day rate only, expenses such as lodging, meals and airfare will be added to the net price.	1	0	EA	\$2,000.00	\$2,000.00

Subtotal	\$43,646.00
Trade Disc	\$0.00
Freight	\$0.00
Misc	\$0.00
Tax	\$0.00
Total	\$43,646.00

All quotations and contracts are subject to Kerr Pump and Supply, Inc. Terms and Conditions of Sale dated 1/1/2018, a copy of which can be found on our website kerrpump.com. Placing an order is acceptance of these terms. Shipment time is an approximation based on current inventory and factory production schedules. Quotation is valid for 30 days from Quote date.

TEL: 248-543-3880 FAX: 248-543-3236

KERR PUMP AND SUPPLY 12880 Cloverdale Oak Park, MI 48237

<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	Abel Electronics	\$ 5,210.00	Invoice #073041 - 8.2.21	Chapaton Office/Lab Project	
		Astorino	Abel Electronics	\$ 1,992.00	Invoice #073042 - 8.2.21	Chapaton Office/Lab Project	
		Astorino	Access Interactive LLC	\$ 530.16	Invoice #INV000107032 - 8.6.21	SCADA Maintenance	\$ 14,356.25
		Astorino	Access Interactive LLC	\$ 2,182.28	Invoice #INV000107254 - 8.31.21	SCADA Pro Support Renewal	
		Astorino	Aloia & Associates, P.C.	\$ 1,178.00	Invoice #22458 - 7.1.21	9 Mile Right of Way	
		Astorino	Carleton Equipment	\$ 3,179.00	Invoice #05-502581 - 8.17.21	Bobcat Replacement Tires	
		Astorino	Colville Electric Co., LLC	\$ 6,166.14	Invoice #210425 - 6.30.21	Pump Controls and PLCs Installation - TRC Project	
		Astorino	Colville Electric Co., LLC	\$ 2,071.50	Invoice #210427 - 6.30.21	Install Alarms - Office Improvements	
		Astorino	Colville Electric Co., LLC	\$ 9,540.00	Invoice #210479 - 8.27.21	HVAC Improvements/Flooring	
		Astorino	Colville Electric Co., LLC	\$ 1,583.99	Invoice #210481 - 8.27.21	Run Conduit for Valves	
		Astorino	Colville Electric Co., LLC	\$ 618.42	Invoice #210483 - 8.27.21	Relocate IT Panel Feed - Office Improvements	
		Astorino	Colville Electric Co., LLC	\$ 608.88	Invoice #210485 - 8.27.21	Alarm System Wiring	
		Astorino	Cross Construction Group	\$ 25,607.70	Invoice #WO19082 EST #9 - 8.30.21	Chapaton Lab Relocation & Mezzanine Renovation	\$ 44,154.09
		Astorino	De-Cal, Inc.	\$ 4,919.81	Invoice #WO9211422 - 8.3.21	Insulate Duct	
		Astorino	De-Cal, Inc.	\$ 771.20	Invoice #WO9211436 - 8.3.21	Office/Lab Project	
		Astorino	De-Cal, Inc.	\$ 599.20	Invoice #WO9211221 - 8.23.21	Backflow Testing	
		Astorino	DTE Energy	\$ 12,346.78	Invoice #RV8CF LP5SP - 8.9.21	Monthly Electric - 7.9.21 - 8.8.21	
		Astorino	DTN, LLC	\$ 583.88	Invoice #5979626 - 7.23.21	Storm Sentry 8.15.21 - 11.14.21	
		Astorino	Enviroair Consultants, Inc.	\$ 1,200.00	Invoice #9554 - 8.6.21	Confined Space Training	
		Astorino	Fishbeck	\$ 38,424.75	Invoice #403289 - 8.11.21	As-Needed Services - Structural Rehab Project	\$ 113,008.09
		Astorino	FJF Door Sales Company, Inc.	\$ 1,610.00	Invoice #174897 - 8.9.21	Door Assembly	
		Astorino	HESCO	\$ 800.00	Invoice #202113086 - 8.10.21	Gate Repair	
		Astorino	HESCO	\$ 2,700.00	Invoice #202113122 - 8.26.21	Gate Repair	
		Astorino	JCI Jones Chemicals Inc.	\$ 4,257.80	Invoice #861868 - 7.30.21	Hypochlorite Solution	
		Astorino	JCI Jones Chemicals Inc.	\$ 4,700.20	Invoice #864617 - 8.23.21	Hypochlorite Solution	
		Slanec	Marino's Landscape	\$ 1,156.00	Invoice #14583 - 7.31.21	Lawn Care July 2021	
		Downing	Meadowbrook Insurance	\$ 22,000.00	Invoice #5404 - 8.16.21	OCIP Administration Fee	
		Astorino	Motor City Electric Technologies	\$ 595.00	Invoice #92862 - 9.4.21	Panel Wiring As-Builts	
		Astorino	Motor City Electric Technologies	\$ 795.00	Invoice #93861 - 9.1.21	Verified Drawings/Update Logic	
		Astorino	NexGen	\$ 10,781.25	Invoice #2959 - 8.5.21	License/Contractor Portal - 10.20.20 - 9.30.22	
		Astorino	Presidio	\$ 1,850.56	Invoice #6013521011806 - 8.16.21	Cisco IP Phones - Office Improvements	
		Astorino	Pullman SST, Inc.	\$ 25,569.00	Invoice #WO21008, EST #3 - 8.26.21	Chapaton Basin/9 Mile Emergency Bypass Repairs	\$ 571,535.00
		Astorino	PVS Nolwood Chemicals	\$ 7,850.15	Invoice #724770 - 7.4.21	Sodium Hypochlorite Solution	
		Astorino	PVS Nolwood Chemicals	\$ 5,954.61	Invoice #729294 - 8.18.21	Sodium Hypochlorite Solution	
Astorino	Teledyne Instruments, Inc.	\$ 3,154.00	Invoice #S020482820 - 8.4.21	Flow Module Velocity Sensor			
Astorino	Tetra Tech, Inc.	\$ 31,306.00	Invoice #51768485 - 8.3.21	In-System Storage Devices	\$ 215,364.01		
Astorino	Tetra Tech, Inc.	\$ 67,308.18	Invoice #51768482 - 8.3.21	9 Mile Pump Station Design	\$ 1,388,067.32		

<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>
		Astorino	Trendset Communications Group	\$ 558.80	Invoice #2040 - 7.29.21	Fiber Link Service Call	
		Sucharski	Verizon Wireless	\$ 558.81	Invoice #9884771377 - 7.23.21	Monthly Cellular - 6.24.21 - 7.23.21	
		Astorino	Wade Trim	\$ 1,005.04	Invoice #2021738 - 8.30.21	Chapaton Disinfection Improvements through 8.20.21	\$ 53,784.40
		Astorino	Weiss Construction	\$ 8,100.00	Invoice #PAY EST #9 - 8.28.21	Disinfection Improvements through 8.31.21	\$ 101,581.82
		Astorino	Wonderware North	\$ 6,983.25	Invoice #91876 - 8.6.21	Wonderware Renewal	
		Total		\$ 328,907.34			



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/3/21
4. SET ID		5. POST DATE
VP210803MA		

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
Abel Electronics	V00024	01	073041	8/2/2021	\$ 5,210.00

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	8200017M	97002	CC0004	97002	WO19082	8 1/2 Mile Relief	PW000170; Chap Video Wall System	\$ 3,320.00	GEN		
B	8200017M	80126	CC0004	80126	WO19082	8 1/2 Mile Relief	PW000170; Labor/Installation	\$ 1,890.00	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 5,210.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>8/10/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

ABEL ELECTRONICS INC.
 27201 HARPER AVENUE
 ST CLAIR SHORES, MI 48081

Invoice

DATE	INVOICE NO.
8/2/2021	073041

BILL TO
MACOMB COUNTY OPW OPW 23001 E 9 Mile Road Saint Clair Shores, MI 48080

SHIP TO
MACOMB COUNTY OPW OPW 23001 E 9 Mile Road Saint Clair Shores, MI 48080

PROJECT	P.O. NO.	TERMS	DUE DATE
Chaptaton Video Wall Sound Syst	PW000170	30 DAYS	9/1/2021

QTY	DESCRIPTION	RATE	AMOUNT
1	Audio cables, Toslink, wire mgt, keypad cabling and rack shelf	150.00	150.00
1	25 foot CAT5E, 10 foot patch cable, RJ45, two ethernet jacks, 6 port keystone plate, 2 port keystone plate, three HDMI patch cables, Velcro floor covering for under table and one back box.	115.00	115.00
1	65 inch 4K LED TV - due to the chip shortage TV availability is low. Depending on the order timing we will source either a Samsung or LG TV	950.00	950.00
1	Crestron Controller BPC-8	300.00	300.00
1	Crestron HD-RX-101-C-E	275.00	275.00
1	Crestron HD-TX-101-C-E	275.00	275.00
-1	Surface Mount Boxes for US-Gang Products - One-gang, White	150.00	150.00
-1	Installation labor, finish phase: <i>Labor</i>	855.00	855.00
1	INSTALLATION AND SETUP <i>Labor</i>	760.00	760.00
1	Installation - Finish - Testing <i>Labor</i>	275.00	275.00
1	The SANUS VMPL50A	110.00	110.00
1	Vanco HDMI	120.00	120.00
1	Vanco International Switcher	190.00	190.00
1	Vanco Toslink Converter	90.00	90.00
1	2-Channel Digital Amplifier, 125 Watts per Channel	595.00	595.00

Thank you for your business.	Total	\$5,210.00
	Payments/Credits	\$0.00
	Balance Due	\$5,210.00

Phone #
586-777-8232

E-mail
Jill@abelelectronics.com

PURCHASE ORDER NO.

PW000170

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Vendor: **V00024**
ABEL ELECTRONICS

27201 HARPER
ST CLAIR SHORES, MI 48081

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

Requested by: Michelle Houvener

Req. Dt: 06/07/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	97002	Vanco International Toslink Coverter	1.00		90.00	90.00
0002	8200017M	97002	Yamaha Multicast 400	1.00		595.00	595.00
0003	8200017M	97002	Vanco International Switcher	1.00		190.00	190.00
0004	8200017M	97002	Vanco International HDMI	1.00		120.00	120.00
0005	8200017M	97002	Crestron Electronics BPC-8	1.00		300.00	300.00
0006	8200017M	97002	Extron SMB 111	1.00		150.00	150.00
0007	8200017M	97002	Audio cables, Toslink, wire mgt, keypad cabling and rack shelf	1.00		150.00	150.00
0008	8200017M	80126		1.00		855.00	855.00

BILL TO:

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

Bruce Manning/mh
AUTHORIZED AGENT

Print Date: 06/07/2021

PURCHASE ORDER NO.

PW000170

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Labor Install - Finish - Programming - Training						
0009	8200017M	80126		1.00	275.00	275.00
Labor Printer Data Drop						
0010	8200017M	97002		1.00	275.00	275.00
Crestron Electronics HD-RX-101-C-E						
0011	8200017M	97002		1.00	275.00	275.00
Crestron Electronics HD-TX-101-C-E						
0012	8200017M	97002		1.00	110.00	110.00
Sanus VMPL 5 Inch Pull Out						
0013	8200017M	97002		1.00	115.00	115.00
Abel Electronics Cat5E						
0014	8200017M	97002		1.00	950.00	950.00
Abel Electronics Samsung or LG						
0015	8200017M	80126		1.00	760.00	760.00
Installation and Setup						
					TOTAL	\$5,210.00

BILL TO:

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

Bruce Manning/mh
AUTHORIZED AGENT

Print Date: 06/07/2021

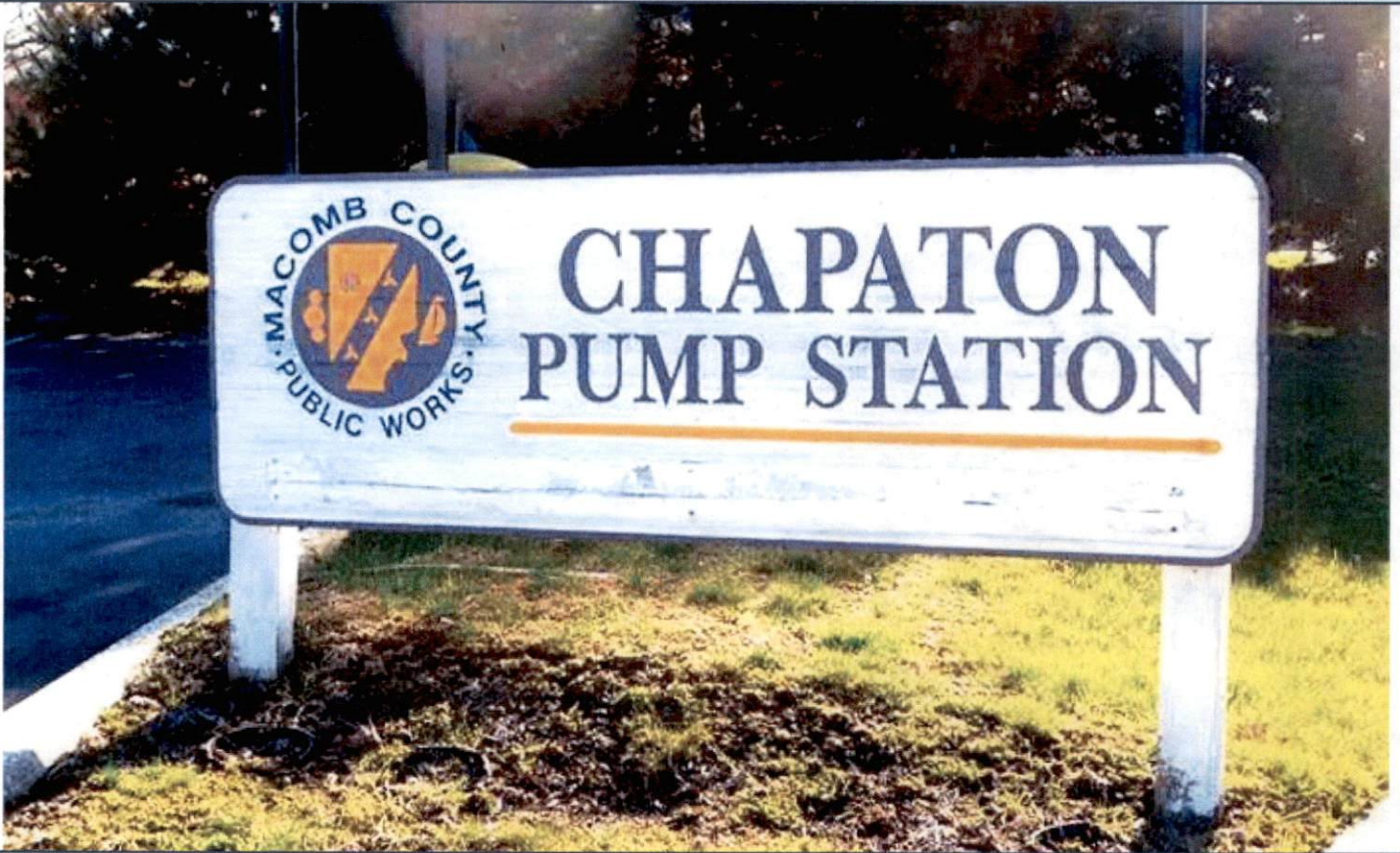
COVER PAGE

Chapaton Video Wall Sound System

Macomb County

OPW
23001 E 9 Mile Road
Saint Clair Shores, MI 48080
586-772-3434

Revision: 1
Modified: 5/21/2021



Presented By:

Abel Electronics

27201 Harper Ave
Saint Clair Shores, Michigan 48081 United States
586-777-8232
www.AbelElectronics.com



SCOPE OF WORK

Main Office: Install a sound bar and sub that can be controlled with a table top controller. The source will be a cable box and two existing front desk rack computers. The controller to change sources will reside on the front desk.

Open Area Office: Install one data drop for the office printer.

Conference Room: Install 65 inch TV with customer Cisco Webex camera mounted to the top of the TV. A HDMI will run to the Cisco Webex unit from the conference room table. The TV remote control will be used to for the TV functions.

Notes:

- Customer is responsible for setup of the Cisco Webex system and all 120 volt power.
- Sound bar remote will be used for volume settings.
- Quote assumes the cable box has a RF remote and you don't need an IR extender.

Office Sound

		Equipment	Labor
1	Vanco International Toslink Convertor Premium Digital to Analog Convertor	\$90.00	\$0.00
1	Yamaha Multicast 400 2-Channel Digital Amplifier, 125 Watts per Channel	\$595.00	\$0.00
1	Vanco International Switcher A/V Digital/Analog Selector with IR control	\$190.00	\$0.00
1	Vanco International HDMI Audio Extractor	\$120.00	\$0.00
1	Crestron Electronics BPC-8 onCue basic presentation controller, US/North America	\$300.00	\$0.00
1	Extron SMB 111 Surface Mount Boxes for US-Gang Products - One-gang, White	\$150.00	\$0.00
1	Abel Electronics Abel Electronics Audio cables, Toslink, wire mgt, keypad cabling and rack shelf	\$150.00	\$0.00
1	LABOR INSTALL - FINISH - PROGRAMMING - TRAINING Installation labor, finish phase.	\$0.00	\$855.00

Office Sound Total

\$1,595.00

\$855.00

Open Office

		Equipment	Labor
1	LABOR Printer Data Drop Installation - Finish - Testing	\$0.00	\$275.00

Open Office Total

\$0.00

\$275.00

* Price Includes Accessories

Chaptaton Video Wall Sound System

Project No : ABEL -0474

Rev. 1

5/21/2021

36

Conference Room

		Equipment	Labor
1	Crestron Electronics HD-RX-101-C-E DM Lite HDMI over CATx Receiver, Surface Mount	\$275.00	\$0.00
1	Crestron Electronics HD-TX-101-C-E DM Lite HDMI over CATx Transmitter, Surface Mount	\$275.00	\$0.00
1	Sanus VMPL 5 Inch Pull Out Wall Mount 32 - 80" Tilt Black	\$110.00	\$0.00
1	Abel Electronics Cat5E 25 foot CAT5E, 10 foot patch cable, RJ45, two ethernet jacks, 6 port keystone plate, 2 port keystone plate, three HDMI patch cables, Velcro floor covering for under table and one back box.	\$115.00	\$0.00
1	Abel Electronics Samsung or LG 65 inch 4K LED TV - due to the chip shortage TV availability is low. Depending on the order timing we will source either a Samsung or LG TV	\$950.00	\$0.00
1	LABOR LABOR INSTALLATION AND SETUP	\$0.00	\$760.00

Conference Room Total	\$1,725.00	\$760.00
------------------------------	-------------------	-----------------

Project Subtotal:	\$3,320.00	\$1,890.00
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* Price Includes Accessories

Chaptaton Video Wall Sound System

Project No : ABEL -0474

Rev. 1

5/21/2021

PROJECT SUMMARY

Equipment:	\$3,320.00
Labor:	\$1,890.00

Grand Total:	\$5,210.00
---------------------	-------------------

Client: Joe Betz

Date

Contractor: Abel Electronics

Date



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/3/21
4. SET ID		5. POST DATE
VP210803MA		

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
Abel Electronics	V00024	01	073042	8/2/2021	\$ 1,992.00

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	8200017M	97002	CC0004	97002	WO19082	8 1/2 Mile Relief	Cust No 390 - Home Run 5 Cable TV Runs	\$ 1,515.00	GEN		
B	8200017M	80126	CC0004	80126	WO19082	8 1/2 Mile Relief	Cust No 390 - Home Run 5 Cable TV Runs	\$ 477.00	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 1,992.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>8/10/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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ABEL ELECTRONICS INC.
 27201 HARPER AVENUE
 ST CLAIR SHORES, MI 48081

Invoice

DATE	INVOICE NO.
8/2/2021	073042

BILL TO
MACOMB COUNTY OPW OPW 23001 E 9 Mile Road Saint Clair Shores, MI 48080

SHIP TO
MACOMB COUNTY OPW OPW 23001 E 9 Mile Road Saint Clair Shores, MI 48080

(W019082)

PROJECT	P.O. NO.	TERMS	DUE DATE
OPW - Home Run 5 Cable TV Runs		30 DAYS	9/1/2021

QTY	DESCRIPTION	RATE	AMOUNT
1	Commscope CSMAPDU9VPI 9-Port MoCA HomeConnect Passive VoIP Amplifier with MoCA Connectivity, Unity Forward/Reverse, with Power inserter, Faster Internet Phone Comcast Xfinity (9-Port MoCA, Gray) - Version with Terminators	86.00	86.00
1	12 Pack of compression F connectors	13.00	13.00
1	Wire Grommet and Hardware	30.00	30.00
5	Digital F Connector Wall Plate	3.00	15.00
1	PVC Quad Shield Cable - 500 foot	180.00	180.00
1	Category 6 U/UTP cable, PVC, white jacket - 300 foot	90.00	90.00
1	TV Pre-wire two tech - 6 hours	1,080.00	1,080.00
1	Labor two tech on 5/11 - data runs - 1.5 hours	270.00	270.00
1	Finish two tech- 1 hour	180.00	180.00
2	CAT6 Jack	9.00	18.00
1	Surface Mount Housings for Datacom Jacks- Color: White & Type: Dual Housing	3.00	3.00
0.3	Labor	90.00	27.00

Thank you for your business.	Total	\$1,992.00
	Payments/Credits	\$0.00
	Balance Due	\$1,992.00

Phone #
586-777-8232

E-mail
Jill@abelelectronics.com



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/11/21
4. SET ID		5. POST DATE
VP210811MA		

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
Access Interactive LLC	V00035	01	INV000107032	8/6/2021	\$ 1,413.75

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	8200166M	80146	CC0014	80146	WO20001	MIDDD	SCADA Maintenance	\$ 607.91	GEN		
B	8200166M	80146	CC0014	80146	WO20016	MIDDD (OMID)	SCADA Maintenance	\$ 98.96	GEN		0
C	8200017M	80146	CC0014	80146	WO20001	8 1/2 Mile Relief	SCADA Maintenance	\$ 530.16	GEN		0
D	8200072M	80146	CC0014	80146	WO20001	Martin	SCADA Maintenance	\$ 106.03	GEN		0
E	8703018M	80146	CC0014	80146	WO20001	SEMCWWDS	SCADA Maintenance	\$ 70.69	GEN		0
F											
G											

23. Total: \$ 1,413.75

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/MH</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Multiple</u></p> <p>31. Project Balance: <u>\$14,356.25</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</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	WO20001
PROJECT NUMBER	WWS-2020-004
PROJECT NAME	SCADA Maintenance
DRAINAGE DISTRICT	MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT, EIGHT AND ONE-HALF MILE DRAINAGE DISTRICT, MARTIN SANITARY DIVERSION DRAINAGE DISTRICT, MACOMB COUNTY
CONSULTANT NAME	BILL FEDAK (DESIGNATED REPRESENTATIVE)
INVOICE DATE	8/6/21
INVOICE START DATE	8/6/21
INVOICE END DATE	
ORIGINAL CONTRACT AMOUNT	\$ 29,000.00
CHANGE ORDER TOTAL	\$ -
Change Order No. 1	
Change Order No. 2	
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 29,000.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 13,230.00
TOTAL AMOUNT DUE THIS INVOICE	\$ 1,413.75
TOTAL BUDGET REMAINING	\$ 14,356.25
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

Access Interactive, LLC.
 46635 Magellan Drive
 Novi MI 48377

Invoice	INV000107032
Date	8/6/2021
Page	1

Phone (248) 567-3000

Bill To:

Macomb County Public Works Office (MCPWO)
 Attn: Accounts Payable
 21777 Dunham Road
 Clinton Township MI 48036

Ship To:

Macomb County Public Works Office (MCPWO)
 Attn: Accounts Payable
 21777 Dunham Road
 Clinton Township MI 48036

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
WO20001	MACOMBDPW4257	1004		Net 30	8/7/2021	113,002
Ordered	Shipped	B/O	Item Number	Description	Unit Price	Ext. Price
9.75	9.75	0.00	LBR-HOUR-RBPLABOR	Robb Pickinpaugh Labor per Hour 07/14/2021 - 07/30/2021	\$145.00	\$1,413.75

Signature _____

Date _____

Thank you for your order!

If you have any questions regarding your invoice,
 please call (248)567-3000.

Subtotal	\$1,413.75
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Trade Discount	\$0.00
Total	\$1,413.75

SERVICE REPORT FORM

Timestamp	Email Address	Date	Company Name	Contact	Case Number	Onsite Time	Office Time/ Off-Site Time	Drive Time	Details	Case Status	Internal Comments	Sales Rep	Rate	OK to Bill? Y/N
7/21/2021 13:09:27	rob主p@access-interactive.com	7/14/2021	Macomb County Public Works		Network Design		0:15:00		Conference call - client rescheduled post call start	On-Going				
8/2/2021 7:46:15	rob主p@access-interactive.com	7/28/2021	Macomb County Public Works		Network Design		5:30:00		Review OSPF information, current Design, Call with Brent and Bill	On-Going				
8/2/2021 7:50:18	rob主p@access-interactive.com	7/30/2021	Macomb County Public Works		Network Design		4:15:00		Review OSPF information, gain remote access to gather live data.	On-Going				

10:00:00



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/2/21
4. SET ID		5. POST DATE
VP210902MA		

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
Access Interactive LLC	V00035	01	INV000107254	8/31/2021	\$ 5,819.40

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	8200166M	80152	CC0014	80152	WO19012	MIDDD	Pro Support Plus through 8/25/22	\$ 2,502.34	GEN		
B	8200166M	80152	CC0014	80152	WO20016	MIDDD (OMID)	Pro Support Plus through 8/25/22	\$ 407.36	GEN		0
C	8200017M	80152	CC0014	80152	WO19012	8 1/2 Mile Relief	Pro Support Plus through 8/25/22	\$ 2,182.28	GEN		0
D	8200072M	80152	CC0014	80152	WO19012	Martin	Pro Support Plus through 8/25/22	\$ 436.46	GEN		0
E	8703018M	80152	CC0014	80152	WO19012	SEMCWWDS	Pro Support Plus through 8/25/22	\$ 290.96	GEN		0
F											
G											

23. Total: \$ 5,819.40

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
PW000193

25. Finance Officer:	BM/MH	30. Drain:	Multiple
26. Chief Deputy:		31. Project Balance:	N/A
27. Engineers:		32. Staff Date:	9/7/2021
28. Managers:		33. Board Date:	9/13/2021
29. Coordinator:		34. Select For Pay Date:	

Access Interactive, LLC.
 46635 Magellan Drive
 Novi MI 48377

Invoice	INV000107254
Date	8/31/2021
Page	1

Phone (248) 567-3000

Bill To:

Macomb County Public Works Office (MCPWO)
 Attn: Accounts Payable
 21777 Dunham Road
 Clinton Township MI 48036

Ship To:

Macomb County Public Works Office (MCPWO)
 Brent Welser, SCADA System Mgr
 21777 Dunham Road
 Clinton Township MI 48036

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
PW000193	MACOMBDPW4257	1004	MAIL	Net 30	9/1/2021	113,227
Ordered	Shipped	B/O	Item Number	Description	Unit Price	Ext. Price
1	1	0	CON-DELL-969474385	Pro supooort renewals 2021 for MC Public W	\$5,819.40	\$5,819.40

 Signature

 Date

Thank you for your order!

If you have any questions regarding your invoice,
 please call (248)567-3000.

Subtotal	\$5,819.40
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Trade Discount	\$0.00
Total	\$5,819.40

PURCHASE ORDER NO.

PW000193

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Vendor: **V00035**
ACCESS COMPUTERS INC
ACCESS INTERACTIVE LLC/SYSTIME INC
46635 MAGELLAN DR
NOVI, MI 48377

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

Requested by: Michelle Houvener

Req. Dt: 08/26/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200166M	80152	Pro Support Plus through 8/25/22	1.00		2,502.34	2,502.34
0002	8200166M	80152	Pro Support Plus through 8/25/22	1.00		407.36	407.36
0003	8200017M	80152	Pro Support Plus through 8/25/22	1.00		2,182.28	2,182.28
0004	8200072M	80152	Pro Support Plus through 8/25/22	1.00		436.46	436.46
0005	8703018M	80152	Pro Support Plus through 8/25/22	1.00		290.96	290.96
						TOTAL	\$5,819.40

BILL TO:

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

AUTHORIZED AGENT

Print Date: 08/27/2021

W018077

PW000193



Access Interactive
46635 Magellan Drive, Novi, Michigan 48377
248-567-3027 | fax: 248-869-6004

QUOTE: 1021240815
Prepared by: Bill Fedak
bfedak@access-interactive.com
August 24th, 2021

Dell Warranty / Support Renewal Quote

Macomb County Public Works
Attn: Brent Welsler, SCADA System Manager
21777 Dunham Road, Clinton Township, MI 48036

System Model	Service Tag	Service Description	Current End Date	New End Date	Price
PowerEdge R630 Server	2X4NV52	ProSupport Plus: Next Business Day Onsite Service After Problem Diagnosis; ProSupport Plus 7x24 Technical Support	8/6/20	8/25/22	\$1,454.85
PowerEdge R630 Server	2X4LV52	ProSupport Plus: Next Business Day Onsite Service After Problem Diagnosis; ProSupport Plus 7x24 Technical Support	8/6/20	8/25/22	\$1,454.85
PowerEdge R630 Server	2X4PV52	ProSupport Plus: Next Business Day Onsite Service After Problem Diagnosis; ProSupport Plus 7x24 Technical Support	8/6/20	8/25/22	\$1,454.85
PowerEdge R630 Server	2X4MV52	ProSupport Plus: Next Business Day Onsite Service After Problem Diagnosis; ProSupport Plus 7x24 Technical Support	8/6/20	8/25/22	\$1,454.85

Prices subject to change with notice depending on current market conditions. Shipping charges not included.

Subtotal:	\$5,819.40
Shipping:	None
Estimated MI Sales Tax:	Exempt
TOTAL:	\$5,819.40

Authorized Signature: _____ Date: _____

Printed Name: _____ Purchase Order No: _____



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/11/21
4. SET ID		5. POST DATE
VP210818MB		

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	22458	7/1/2021	\$ 1,178.00

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	8200017M	80139	CC0004	80139	WO18006	8 1/2 Mile Relief	Re: 1000-25 June 2021	\$ 1,178.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,178.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/my</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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ALOIA & ASSOCIATES, P.C.

48 South Main Street, Suite 3
 Mount Clemens, MI 48043
 (586) 783-3300

Invoice submitted to:

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

<i>Invoice Date</i>	<i>Invoice Number</i>	<i>Last Bill Date</i>
July 1, 2021	22458	June 1, 2021

In Reference To: File No. 1000-25
 8 1/2 Mile Drain Drainage District

Professional Services

		<u>Hours</u>	<u>Amount</u>
6/8/2021	BJA Communications with Vince Astorino and Attorney Candela regarding 9 Mile abandonment.	0.30	57.00
6/9/2021	JMC Review and analyze client documents; conduct legal research; draft Memo to file regarding vacation of city streets.	3.80	722.00
	BJA Review and analysis of memo regarding road abandonment/vacation for Chapaton.	0.40	76.00
6/10/2021	JMC Email to Eric Shepherd regarding matter; email with Vincent Astorino.	0.50	95.00
6/18/2021	JMC Telephone call with Vince Astorino; office conference with Attorney Aloia.	0.25	47.50
	BJA Communications with Attorney Candela and Vince Astorino regarding plat vacation issue and strategize same.	0.45	85.50
6/22/2021	JMC Finalize Memorandum to Client; email to Vincent Astorino.	0.50	95.00
	For professional services rendered	<u>6.20</u>	<u>\$1,178.00</u>
	Previous balance		\$1,301.50

	<u>Amount</u>
Balance due	<u>\$2,479.50</u>

<u>Current</u>	<u>30 Days</u>	<u>60 Days</u>	<u>90 Days</u>	<u>120 Days</u>
1,178.00	1,301.50	0.00	0.00	0.00

Timekeeper Summary

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Benjamin J. Aloia	1.15	190.00	\$218.50
Jeffrey M. Candela	5.05	190.00	\$959.50



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 8/23/21
4. SET ID VP210824MA		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
Carleton Equipment	V69256	01	05-502581	8/17/2021	\$ 3,179.00

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	8200017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	Cust #366488, PW000183	\$ 3,179.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 3,179.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Tires

25. Finance Officer: <u>BM/mh</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>9/7/2021</u>
28. Managers: _____	33. Board Date: <u>9/13/2021</u>
29. Coordinator: _____	34. Select For Pay Date: _____

Carleton Equipment

48135 Gratiot Ave
Chesterfield Twp., MI 48051 US

Phone: (586) 463-3333 Fax: (586) 329-3231
Email:
Web site: www.CarletonEquipment.com

Bill To:
MACOMB COUNTY DPW
KRIS BENDA
23001 9 MILE ROAD
ST CLAIR SHORES, MI 48080 US

INVOICE

Invoice: 05-502581
Date: 8/17/2021

PO: PW000183
CustId: 366488

Cust Email:
Phone: (586) 772-3425
Salesperson: ctheobald
User: ctheobald

Ship To:
MACOMB COUNTY DPW

Item	Type	Description	Qty	Tax	Price	Discount	Net Price
7246212	PA	BC - TIRE SOLID FLEX 31X10-20	2.0000		\$794.75		\$1,589.50
7246213	PA	BC - TIRE SOLID FLEX 31X10-20	2.0000		\$794.75		\$1,589.50
Total:							\$3,179.00

Totals	Sub Total:	Total Tax:	Invoice Total:
	\$3,179.00	\$0.00	\$3,179.00

Forms of Payment		
Type	Description	Amount
IBS-MC East	REMIT PAYMENT TO: INTERSTATE BILLING SERVICE P.O. BOX 2208 DECATUR, AL 35609-2208	\$3,179.00
<i>L.P. [Signature]</i>		
Total Forms of Payment:		\$3,179.00

Balance Due On This Invoice: \$0.00

Split 8 1/2 @ W.W.

I agree that seller has option to take goods or recover full balance due. In the event the balance is not fully paid for on the 10th of month following date of purchase I agree to pay a monthly FINANCE CHARGE at the HIGHEST PREVAILING RATE on the unpaid balance. All Parts subject to 20% restocking fee. All electrical, special order parts and freight charges are NON REFUNDABLE. Above signature indicates approval of these terms.

We appreciate your business! Carleton1.com
7 LOCATIONS TO SERVE YOU

PURCHASE ORDER NO.

PW000183

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Vendor: **V69256**
CARLETON EQUIPMENT CO

PO BOX 2208
DECATUR, AL 35609-2208

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

Requested by: Michelle Houvener

Req. Dt: 08/03/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	93002	Item #7246212 Solid Tires	2.00		794.75	1,589.50
0002	8200017M	93002	Item #7246213 Solid Tires	2.00		794.75	1,589.50

TOTAL \$3,179.00

BILL TO:

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

Bruce Manning/mh

AUTHORIZED AGENT

Print Date: 08/03/2021

"Interstate billing Service"

QUOTE - DO NOT PAY

Carleton Equipment

48135 Gratiot Ave
Chesterfield Twp., MI 48051 US

Quote: 05-14336 PO:
Date: 8/2/2021 CustId: 366488

Phone: (586) 463-3333 Fax: (586) 329-3231
Email:
Web site: www.CarletonEquipment.com

Cust Email:
Phone: (586) 772-3425
Salesperson: ctheobald
User: ctheobald

Bill To:
MACOMB COUNTY DPW
KRIS BENDA
23001 9 MILE ROAD
ST CLAIR SHORES , MI 48080 US

Ship To:
MACOMB COUNTY DPW

Item	Type	Description	Qty	Tax	Price	Discount	Net Price	
7246212	PA	TIRE SOLID FLEX 31X10-20	2.0000		\$794.75		\$1,589.50	
7246213	PA	TIRE SOLID FLEX 31X10-20	2.0000		\$794.75		\$1,589.50	
Remark	RE	SOLID TIRES WOULD BE 1 - 2 WEEKS OUT, FREE FREIGHT						
Total:							\$3,179.00	

Totals		Sub Total:	\$3,179.00
		Total Tax:	\$0.00
		Invoice Total:	\$3,179.00

SKID STEER TIRES



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/18/21
4. SET ID		5. POST DATE
VP210818MB		

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
Colville Electric Co., LLC	V50164	02	210425	6/30/2021	\$ 6,166.14

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	8200017M	93002	CC0004	93002	WO19081	8 1/2 Mile Relief	Job #202110253; 4/2/21	\$ 6,166.14	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 6,166.14 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</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>9/7/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	06/30/2021
INVOICE #	210425
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

8 1/2 Mile

JOB#	DATE	PO	DESCRIPTION
202110253	04/02/2021	W019081	Install/wire PLCs and sample pump controls Completion Notes: 4/2/21- Installed control relays. Began re-wiring motor controls.

Description	Qty	Rate	Total
AB 1763-L16AWA Allen-Bradley 1763-L16AWA 1763 MicroLogix 1100 System, MicroLogix 1100, 120/240V ac power, (10) 120V ac digital inputs, (2) 10V analog inputs, (6) relay outputs	2.00	\$988.24	\$1,976.48
16 MTW Red	50.00	\$0.10	\$5.00
AB 1762-IF4 Allen-Bradley 1762-IF4 1762 MicroLogix 1200 System, 4 Channel Current/Voltage Analog Input Module	1.00	\$494.16	\$494.16
16 MTW White	10.00	\$0.10	\$1.00
04/02/2021 - Hayden Nicholson			
Labor Time (3hr 18min)		\$90.00/hr	\$297.00
04/02/2021 - Jared Hayosh			
Labor Time (3hr 17min)		\$90.00/hr	\$295.50

SUB-TOTAL:
\$2,476.64

TIME & LABOR:
\$592.50

EXPENSES:
\$0.00

PMTS/DEPS:
\$0.00

TOTAL DUE:
\$3,069.14

JOB#	DATE	PO	DESCRIPTION
202110232	04/08/2021		Basin Sample pumps & PLC install. Completion Notes: 3/24/21- Wire north and south sample pumps 4/6/21- Wire overloads on north pump 3. Swap rotation on all 6 pumps. 4/8/21-Begin PLC install.

Description	Qty	Rate	Total
Frs 015 15 amp 600v fuses	18.00	\$13.25	\$238.50
03/24/2021 - Evan Nicholson			
Labor Time (2hr 42min)		\$90.00/hr	\$243.00
04/06/2021 - Nolan Derington			
Labor Time (1hr 37min)		\$90.00/hr	\$145.50
04/06/2021 - Evan Nicholson			
Labor Time (1hr 45min)		\$90.00/hr	\$157.50
04/08/2021 - Evan Nicholson			
Labor Time (0hr 38min)		\$90.00/hr	\$57.00

SUB-TOTAL: \$238.50 **TIME & LABOR:** \$603.00 **EXPENSES:** \$0.00 **PMTS/DEPS:** \$0.00 **TOTAL DUE:** \$841.50

JOB#	DATE	PO	DESCRIPTION
202110362	06/01/2021		South Sample Pump PLC Completion Notes: Wired PLC for south side sample pumps. 6/1/21- Finished wiring motor starters on North side of lot. Installed level transducer on North side. Tied stilling well level transducers onto new wiring. Terminated at SCADA and verified levels.

Description	Qty	Rate	Total
AB 700-HLT1U1 120v Coil Terminal Block Relay	6.00	\$16.25	\$97.50
AB 1492-JD3 1492-JD3..BRAND : ALLEN-BRADLEY..Allen-Bradley 1492-JD3 1492-J IEC Terminal Block, Two-Circuit Feed-Through Block, 2.5 mm (# 24 AWG - # 12 AWG), Standard Feedthrough, Gray (Standard),	10.00	\$3.83	\$38.30
16 MTW Yellow 16 MTW Yellow	82.00	\$0.10	\$8.20
16 MTW Red	50.00	\$0.10	\$5.00
16 MTW White	8.00	\$0.10	\$0.80

USABB 69011 KPSI® 700 Submersible Level Transmitter, 10 psi, 23.1 ft/H2O, 30' Cable	1.00	\$565.00	\$565.00
XP RDB 200075 Explosion Proof 2' to 3/4' Reducing Bushing	1.00	\$12.35	\$12.35
XP RDB 075050 Explosion Proof 3/4' to 1/2' Reducing Bushing	1.00	\$2.60	\$2.60
KLM 050 1/2" Kellum Cord Grip	1.00	\$3.92	\$3.92
05/24/2021 - Jared Hayosh			
Labor Time (4hr 56min)		\$90.00/hr	\$444.00
05/24/2021 - Steve Tribu			
Labor Time (4hr 55min)		\$65.00/hr	\$319.58
06/01/2021 - Dave Colville			
Labor Time (2hr 0min)		\$135.00/hr	\$270.00
06/01/2021 - Jared Hayosh			
Labor Time (3hr 9min)		\$90.00/hr	\$283.50
06/01/2021 - Steve Tribu			
Labor Time (3hr 9min)		\$65.00/hr	\$204.75

SUB-TOTAL: \$733.67	TIME & LABOR: \$1,521.83	EXPENSES: \$0.00	PMTS/DEPS: \$0.00	TOTAL DUE: \$2,255.50
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CUSTOMER MESSAGE

Invoice Total:	\$6,166.14
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$6,166.14



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/18/21
4. SET ID		5. POST DATE
VP210818MB		

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
Colville Electric Co., LLC	V50164	02	210427	6/30/2021	\$ 2,071.50

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	8200017M	93002	CC0004	93002	WO19082	8 1/2 Mile Relief	Job #202110402; 6/15/21	\$ 2,071.50	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 2,071.50 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</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>9/7/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	06/30/2021
INVOICE #	210427
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

8 1/2 Mile

JOB#	DATE	PO	DESCRIPTION
202110402	06/15/2021		Install beacons Completion Notes: 6/15/21- Pulled in wiring for beacons and keypad. Installed beacons. 6/16/21- Installed new conduit chase to SCADA cabinet. Finished pulling in wiring. Terminated wiring and tested beacons.
		W019082	

Description	Qty	Rate	Total
18/4 low voltage cable	710.00	\$0.31	\$220.10
EMT 200 2' EMT Conduit	20.00	\$6.67	\$133.40
EMT SCN 200 2' EMT Steel Set Screw Connector	2.00	\$2.94	\$5.88
EMT SCP 200 2' EMT Steel Set Screw Coupling	1.00	\$3.25	\$3.25
BSH PL 200 2' Plastic Bushing	2.00	\$1.08	\$2.16
EMT UNI 200 2' EMT Unistrut Strap	2.00	\$2.74	\$5.48
NEMA Fuse Holder	1.00	\$9.25	\$9.25
1a midget fuse	1.00	\$4.65	\$4.65
Material Audible Beacons	2.00	\$194.50	\$389.00
06/15/2021 - Jared Hayosh			
Labor Time (3hr 40min)		\$90.00/hr	\$330.00
06/15/2021 - Steve Tribu			
Labor Time (3hr 39min)		\$65.00/hr	\$237.25
06/16/2021 - Steve Tribu			

Labor Time (4hr 43min)	\$65.00/hr	\$306.58
06/16/2021 - Jared Hayosh		
Labor Time (4hr 43min)	\$90.00/hr	\$424.50

SUB-TOTAL:	TIME & LABOR:	EXPENSES:	PMTS/DEPS:	TOTAL DUE:
\$773.17	\$1,298.33	\$0.00	\$0.00	\$2,071.50

CUSTOMER MESSAGE

Invoice Total:	\$2,071.50
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$2,071.50



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 8/27/21
4. SET ID VP210831MA		5. POST DATE

PARENT RECORD INFORMATION

6. VENDOR NAME (Check to be issued to) Colville Electric Co., LLC	7. VENDOR NUMBER V50164	8. ADDR CODE 02	9. Invoice No (MAX = 16 CHARACTERS) 210479	10. Invoice Date 8/27/2021	11. Invoice Amount \$ 9,540.00
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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	8200017M	93001	CC0016	93001	WO19084	8 1/2 Mile Relief		Job #202110618; 8/27/21	\$ 9,540.00	GEN		
B												
C												
D												
E												
F												
G												

23. Total: \$ **9,540.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PW000191

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 9/7/2021

33. Board Date: 9/13/2021

34. Select For Pay Date: _____

Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	08/27/2021
INVOICE #	210479
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

JOB#	DATE	PO	DESCRIPTION
202110618	08/27/2021	PW000191	Completion Notes:

Description	Qty	Rate	Total
Estimate Install 2x4 sleepers over existing loft above offices around existing conduit. Install 3/4" plywood on sleepers, cutting out around electrical boxes and HVAC supports. Plywood and sleepers to terminate in front of existing HVAC equipment. Labor and materials included. Customer to relocate waterline.	1.00	\$9,540.00	\$9,540.00

SUB-TOTAL: \$9,540.00	TIME & LABOR: \$0.00	EXPENSES: \$0.00	PMTS/DEPS: \$0.00	TOTAL DUE: \$9,540.00
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CUSTOMER MESSAGE

Invoice Total:	\$9,540.00
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$9,540.00

PURCHASE ORDER NO.

PW000191

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Vendor: **V50164**
COLVILLE, DAVID J

23416 GRATIOT AVE
EASTPOINTE, MI 48021

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

Requested by: Michelle Houvener

Req. Dt: 08/18/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	93001	Chapaton HVAC Improvements	1.00		9,540.00	9,540.00

TOTAL \$9,540.00

BILL TO:

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

Bruce Manning/mh
AUTHORIZED AGENT

Print Date: 08/18/2021

Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Estimate

ESTIMATE #	46681213
SITE VISIT DATE	
PO #	
Tech	

CUSTOMER
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

SERVICE LOCATION
23001 Nine Mile Rd. St. Clair Shores, MI, 48080

DESCRIPTION

Description	Qty	Rate	Total
Estimate Install 2x4 sleepers over existing loft above offices around existing conduit. Install 3/4" plywood on sleepers, cutting out around electrical boxes and HVAC supports. Plywood and sleepers to terminate in front of existing HVAC equipment. Labor and materials included. Customer to relocate waterline.	1.00	\$9,540.00	\$9,540.00

CUSTOMER MESSAGE

Estimate Total: \$9,540.00

\$9540⁰⁰

Due to current market volatility, prices valid for 30 days unless noted otherwise.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/31/21
4. SET ID		5. POST DATE
VP210831MA		

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
Colville Electric Co., LLC	V50164	02	210481	8/27/2021	\$ 1,583.99

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	8200017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Job #202110488; 7/13/21	\$ 1,583.99	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,583.99

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Run conduit for valves

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 9/7/2021

33. Board Date: 9/13/2021

34. Select For Pay Date: _____

Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	08/27/2021
INVOICE #	210481
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW Chaption East <i>8 1/2 Mile 0 1/2 M</i>

JOB#	DATE	PO	DESCRIPTION
202110488	07/13/2021		Run conduit for valves Completion Notes: 07/13/21- re-work old conduit for valves, install new conduit and fittings for new valve location. Need cord connectors for 5/16 OD cord. 7/16/21- install junction box pull wire and terminate valves. Test valves, they are running but the water is over flowing out of the T fittings in conduit, may need to add relays and separate valves.

Description	Qty	Rate	Total
RMC 075 3/4" Rigid Conduit	30.00	\$3.50	\$105.00
T MAL 075 3/4" T Malleable Iron Conduit Body	3.00	\$16.43	\$49.29
HUB 075 3/4" Meyers Hub	4.00	\$8.25	\$33.00
Stainless Steel junction box 6x8x4	1.00	\$105.60	\$105.60
REM RSR-2106	1.00	\$7.25	\$7.25
14 THHN CU Black	30.00	\$0.17	\$5.10
14 THHN CU Red	30.00	\$0.15	\$4.50
14 THHN CU Green	15.00	\$0.18	\$2.70
14 THHN CU White	15.00	\$0.17	\$2.55
07/13/2021 - Evan Nicholson			
Labor Time (2hr 42min)		\$90.00/hr	\$243.00
07/13/2021 - Nolan Derington			
Labor Time (2hr 42min)		\$90.00/hr	\$243.00
07/16/2021 - Ian Clow			

Labor Time (4hr 20min)	\$90.00/hr	\$390.00
07/16/2021 - Evan Nicholson		
Labor Time (4hr 22min)	\$90.00/hr	\$393.00

SUB-TOTAL:	TIME & LABOR:	EXPENSES:	PMTS/DEPS:	TOTAL DUE:
\$314.99	\$1,269.00	\$0.00	\$0.00	\$1,583.99

CUSTOMER MESSAGE

Invoice Total:	\$1,583.99
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$1,583.99



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/31/21
4. SET ID		5. POST DATE
VP210831MA		

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
Colville Electric Co., LLC	V50164	02	210483	8/27/2021	\$ 618.42

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	8200017M	93001	CC0014	93001	WO19082	8 1/2 Mile Relief	Job #202110578; 8/16/21	\$ 618.42	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 618.42

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Relocate IT panel feed and remove old panel

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	08/27/2021
INVOICE #	210483
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

w019082 8 1/2 Mile

JOB#	DATE	PO	DESCRIPTION
202110578	08/16/2021		Relocate IT panel feed and remove old panel. Completion Notes: Relocate UPS and IT cabinet circuits out of scada office panel, to panel upstairs using existing conduit. Remove feed and old scada room panel.

Description	Qty	Rate	Total
EMT 075 3/4' EMT Conduit	10.00	\$1.11	\$11.10
10 THHN CU Blue 10 THHN CU Blue	30.00	\$0.37	\$11.10
10 THHN CU Red 10 THHN CU Red	30.00	\$0.37	\$11.10
10 THHN CU White 10 THHN CU White	60.00	\$0.37	\$22.20
EMT SCN 075 3/4' EMT Steel Set Screw Connector	1.00	\$0.25	\$0.25
QO130 Square D QO130; 1 Pole, 30 Amp	2.00	\$13.50	\$27.00
08/16/2021 - Steve Tribu			
Labor Time (2hr 20min)		\$65.00/hr	\$151.67
08/16/2021 - Evan Nicholson			
Labor Time (4hr 16min)		\$90.00/hr	\$384.00

SUB-TOTAL: \$82.75	TIME & LABOR: \$535.67	EXPENSES: \$0.00	PMTS/DEPS: \$0.00	TOTAL DUE: \$618.42
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CUSTOMER MESSAGE

Invoice Total:	\$618.42
Deposits (-):	\$0.00
Payments (-):	\$0.00



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/31/21
4. SET ID		5. POST DATE
VP210831MA		

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
Colville Electric Co., LLC	V50164	02	210485	8/27/2021	\$ 608.88

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	8200017M	93001	CC0004	93001	WO19084	8 1/2 Mile Relief	Job #202110581; 8/17/21	\$ 608.88	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 608.88

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Temp in security wiring for floor sheeting

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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Colville Electric Co., LLC

23416 Gratiot Ave
 Eastpointe MI 48021
 (586) 774-9110
 Office@ColvilleElectric.com

Invoice

DATE	08/27/2021
INVOICE #	210485
TERMS	NET 30

BILL TO
Macomb County DPW 21777 Dunham Road Clinton Township, MI, 48036

SERVICE LOCATION
Macomb County DPW 23001 Nine Mile Rd. St. Clair Shores, MI, 48080

W019084 8 1/2 Mile

JOB#	DATE	PO	DESCRIPTION
202110581	08/17/2021		Temp in security wiring for floor sheeting. . Completion Notes: Remove alarm system cables from through the floor of mezzanine chases and temp in above. Alarm system is operating. Remove conduits that where ran on floor.

Description	Qty	Rate	Total
18/4 low voltage cable	102.00	\$0.19	\$19.38
08/17/2021 - Evan Nicholson			
Labor Time (6hr 33min)		\$90.00/hr	\$589.50

SUB-TOTAL:	TIME & LABOR:	EXPENSES:	PMTS/DEPS:	TOTAL DUE:
\$19.38	\$589.50	\$0.00	\$0.00	\$608.88

CUSTOMER MESSAGE

Invoice Total:	\$608.88
Deposits (-):	\$0.00
Payments (-):	\$0.00
Total Due:	\$608.88



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/1/21
4. SET ID		5. POST DATE
VP210902MA		

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
Cross Construction Group	V081148	01	WO19082 EST #9	8/30/2021	\$ 25,607.70

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	8200017M	21100	CC0004	21100	WO19082	8 1/2 Mile Relief	Chap Lab & Mezzanine, Est #9	\$ 25,607.70	GEN			
B												
C												
D												
E												
F												
G												

23. Total: \$ 25,607.70

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Reduced retainage to \$6,401.92 with this estimate

<p>25. Finance Officer: <u>BM/mh</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>\$44,154.09 (includes retainage)</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONTRACTOR INVOICE COVER SHEET**

WORK ORDER NUMBER WO19082

PROJECT NUMBER WWS-2020-010

PROJECT NAME Chapaton Lab Relocation & Mezzaine Renovation

DRAINAGE DISTRICT 8 1/2 Mile Relief Drain Drainage District

CONTRACTOR NAME Cross Construction Group

INVOICE DATE 8/30/2021

INVOICE START DATE 8/1/2021

INVOICE END DATE 8/27/2021

ORIGINAL CONTRACT AMOUNT			\$ 667,777.00
CHANGE ORDER TOTAL			
			\$ 10,167.57
Change Order No. 1	Date Executed:	3/31/2021	\$ 4,508.19
Change Order No. 2	Date Executed:	4/28/2021	\$ 5,659.38
TOTAL REVISED CONTRACT AMOUNT			\$ 677,944.57
(includes all approved change orders only)			
TOTAL AMOUNT PREVIOUSLY INVOICED			\$ 608,182.78
TOTAL AMOUNT DUE THIS INVOICE			\$ 25,607.70 ✓
TOTAL BUDGET REMAINING			\$ 44,154.09
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)			

Contractor's Application for Payment

Owner:	<u>8 1/2 Mile Relief Drain Drainage District</u>	Owner's Project No.:	<u>WWS-2020-010</u>
Engineer:	<u>Fishbeck</u>	Engineer's Project No.:	<u>191498</u>
Contractor:	<u>Cross Construction Group</u>	Contractor's Project No.:	<u>BH-724</u>
Project:	<u>Chapaton Pump Station Lab Relocation & Mezzanine Renovation</u>		
Contract:	<u>Chapaton Pump Station Lab Relocation & Mezzanine Renovation</u>		
Application No.:	<u>009</u>	Application Date:	<u>8/30/2021</u>
Application Period:	<u>From 8/1/2021</u>	to	<u>8/27/2021</u>

1. Original Contract Price	\$ 667,777.00
2. Net change by Change Orders	\$ 10,167.57
3. Current Contract Price (Line 1 + Line 2)	\$ 677,944.57
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$ 640,192.40
5. Retainage	
a. <u>1%</u> X \$ <u>640,192.40</u> Work Completed	\$ 6,401.92
b. <u>0%</u> X \$ <u>-</u> Stored Materials	\$ -
c. Total Retainage (Line 5.a + Line 5.b)	\$ 6,401.92
6. Amount eligible to date (Line 4 - Line 5.c)	\$ 633,790.48
7. Less previous payments (Line 6 from prior application)	\$ 608,182.78
8. Amount due this application	\$ 25,607.70
9. Balance to finish, including retainage (Line 3 - Line 4)	\$ 37,752.17

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

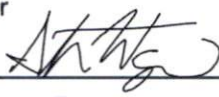

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Cross Construction Group

Signature:  **Date:** 8/30/2021

Recommended by Engineer		Approved by Owner	
By:	<u>N/A</u>	By:	
Title:	<u></u>	Title:	<u>Engineer II</u>
Date:	<u></u>	Date:	<u>08/31/2021</u>
Approved by Funding Agency		Approved by Operations & Flow Manager	
By:	<u>N/A</u>	By:	
Title:	<u></u>	Title:	<u>Operations & Flow Manager</u>
Date:	<u></u>	Date:	<u>08/31/2021</u>

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner: 8 1/2 Mile Relief Drain Drainage District
 Engineer: Fishbeck
 Contractor: Cross Construction Group
 Project: Chapaton Pump Station Lab Relocation & Mezzanine Renovation
 Contract: Chapaton Pump Station Lab Relocation & Mezzanine Renovation

Owner's Project No.: WWS-2020-010
 Engineer's Project No.: 191498
 Contractor's Project No.: BH-724

Application No.: 009 Application Period: From 08/01/21 to 08/27/21 Application Date: 08/30/21

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to Date (D + E + F) (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Original Contract								
1	Bonds	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
2	Insurance	\$4,000.00	4,000.00	-	-	4,000.00	100%	-
3	Project Management	\$15,000.00	15,000.00	-	-	15,000.00	100%	-
4	Site Supervision	\$30,000.00	30,000.00	-	-	30,000.00	100%	-
5	Dumpsters	\$3,500.00	3,500.00	-	-	3,500.00	100%	-
6	Submittals	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
7	Demolition	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
8	Metal Stud Framing	\$4,000.00	4,000.00	-	-	4,000.00	100%	-
9	Doors & Hardware	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
10	Gyp Board & FRP	\$2,500.00	2,500.00	-	-	2,500.00	100%	-
11	Ceiling Installation	\$1,500.00	1,500.00	-	-	1,500.00	100%	-
12	Painting	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
13	Flooring	\$8,000.00	8,000.00	-	-	8,000.00	100%	-
14	Lab Casework	\$24,000.00	24,000.00	-	-	24,000.00	100%	-
15	Mechanical	\$20,000.00	20,000.00	-	-	20,000.00	100%	-
16	Electrical	\$8,000.00	8,000.00	-	-	8,000.00	100%	-
17	Plumbing	\$10,000.00	10,000.00	-	-	10,000.00	100%	-
18	Demolition & Abatement	\$30,000.00	30,000.00	-	-	30,000.00	100%	-
19	Concrete	\$3,000.00	3,000.00	-	-	3,000.00	100%	-
20	Masonry	\$8,000.00	8,000.00	-	-	8,000.00	100%	-
21	Structural Steel	\$17,000.00	17,000.00	-	-	17,000.00	100%	-
22	Metal Stud Framing	\$30,000.00	30,000.00	-	-	30,000.00	100%	-
23	Millwork Installation	\$22,000.00	22,000.00	-	-	22,000.00	100%	-
24	Glazing Installation	\$13,000.00	13,000.00	-	-	13,000.00	100%	-
25	Doors & Hardware	\$10,000.00	9,000.00	-	-	9,000.00	90%	1,000.00
26	Gyp Board & FRP	\$20,000.00	20,000.00	-	-	20,000.00	100%	-
27	Painting	\$7,500.00	7,500.00	-	-	7,500.00	100%	-
28	Ceiling Installation	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
29	Lockers	\$4,000.00	4,000.00	-	-	4,000.00	100%	-
30	Kitchen Appliance Install	\$1,500.00	1,500.00	-	-	1,500.00	100%	-
31	Bathroom Accessories	\$2,500.00	2,500.00	-	-	2,500.00	100%	-
32	Visual Display Boards	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
33	Corner Guard Installation	\$2,000.00	2,000.00	-	-	2,000.00	100%	-
34	Flooring	\$19,547.00	19,547.00	-	-	19,547.00	100%	-
35	Tile Installation	\$3,000.00	3,000.00	-	-	3,000.00	100%	-

Progress Estimate - Lump Sum Work

Contractor's Application for Payment

Owner:	8 1/2 Mile Relief Drain Drainage District	Owner's Project No.:	WWS-2020-010
Engineer:	Fishbeck	Engineer's Project No.:	191498
Contractor:	Cross Construction Group	Contractor's Project No.:	BH-724
Project:	Chapaton Pump Station Lab Relocation & Mezzanine Renovation		
Contract:	Chapaton Pump Station Lab Relocation & Mezzanine Renovation		

Application No.: 009 Application Period: From 08/01/21 to 08/27/21 Application Date: 08/30/21

A	B	C	D E		F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to Date (D + E + F) (\$)	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
36	Roller Shade Installation	\$4,300.00	4,300.00	-	-	4,300.00	100%	-
37	Mechanical	\$75,000.00	75,000.00	-	-	75,000.00	100%	-
38	Electrical	\$55,000.00	55,000.00	-	-	55,000.00	100%	-
39	Plumbing	\$35,000.00	35,000.00	-	-	35,000.00	100%	-
40	Lutz Roofing	\$6,880.00	6,880.00	-	-	6,880.00	100%	-
41	Abel Electronics	\$51,683.00	51,683.00	-	-	51,683.00	100%	-
42	Macomb County IT	\$43,012.00	11,196.83	-	-	11,196.83	26%	31,815.17
43	Interior Environment	\$25,355.00	25,355.00	-	-	25,355.00	100%	-
44	Building Permit	\$10,000.00	5,063.00	-	-	5,063.00	51%	4,937.00
Original Contract Totals		\$ 667,777.00	\$ 630,024.83	\$ -	\$ -	\$ 630,024.83	94%	\$ 37,752.17

SWORN STATEMENT

STATE OF MICHIGAN
COUNTY OF

} §

Blair Ackman , being duly sworn, states the following:

Cross Construction Group is the contractor for an improvement to the following real property in
MACOMB County, Michigan, described as follows:

Chapaton Lab & Mezzanine
23001 E. 9 Mile Rd.
St. Clair Shores,, MI 48080-

The following is a statement of each subcontractor and supplier and laborer, for whom payment of wages or fringe benefits and withholdings is due but unpaid, with whom the contractor has contracted for performance under the contract with the owner or lessee, and the amounts due to the persons as of the date of this statement are correctly and fully set forth opposite their names:

Name, Address and Phone Number of Subcontractor, Supplier or Laborer	Type of Improvement	Total Contract Price	Amount Already Paid	Amount Currently Owing	Balance To Complete
A&J Steel Fabrication LLC 4748 Keewadin Rd Clyde, MI 48049	SUBCONTRACTORS	6,115.00	5,503.50	611.50	.00
Belanger Maintenance LLC 5467 Roberts Rd. Cotterville, MI 48039	SUBCONTRACTORS	2,500.00	2,500.00	.00	.00
Bell Electronics Co Inc 27201 Harper Avenue Saint Clair Shores, MI 48081	SUBCONTRACTORS	51,682.98	46,514.68	5,168.30	.00
Blue Star, Inc. 21950 Hoover Warren, MI 48089	SUBCONTRACTORS	30,440.00	27,396.00	3,044.00	.00
Brothers & Bricks LLC PO Box 249 New Hudson, MI 48165-0249	SUBCONTRACTORS	7,390.00	7,390.00	.00	.00
Continental Contracting Co. 23450 Telegraph Rd. Southfield, MI 48033	SUBCONTRACTORS	13,281.73	.00	.00	13,281.73
Continuum Services 23640 Research Drive Farmington, MI 48335 (248) 286-5200	SUBCONTRACTORS	133,334.18	121,640.39	13,515.60	-1,821.81
Detroit Technical Equipment C 1091 Centre Rd, Suite 100 Auburn Hills, MI 48326	SUBCONTRACTORS	24,559.14	24,559.14	.00	.00
Interior Environments 48700 Grand River Novi, MI 48374	SUBCONTRACTORS	26,012.40	26,012.40	.00	.00

Name, Address and Phone Number of Subcontractor, Supplier or Laborer	Type of Improvement	Total Contract Price	Amount Already Paid	Amount Currently Owing	Balance To Complete
LaForce PO Box 10068 Green Bay, WI 54307 (248) 588-5601	MATERIALS	11,155.00	4,550.41	6,604.59	.00
Lutz Roofing Company Inc 4721 22 Mile Road Shelby Township, MI 48317	SUBCONTRACTORS	6,880.00	6,880.00	.00	.00
Masters Millwork 30700 Stephenson Hwy Madison Heights, MI 48071	SUBCONTRACTORS	21,475.00	19,327.50	2,147.50	.00
Omega Floors 35370 Union Lake Rd. Harrison Twp, MI 48045 (586) 218-6800	SUBCONTRACTORS	18,395.00	16,555.50	1,839.50	.00
Rayhaven Group 35901 Schoolcraft Rd. Livonia, MI 48381 (248) 357-1006	SUBCONTRACTORS	3,125.00	3,125.00	.00	.00
Resurrection Carpentry.	SUBCONTRACTORS	65,816.01	36,304.69	4,033.85	25,477.47
Rochester Hills Contract Glazi 1155 Centre Drive Auburn Hills, MI 48236 (248) 852-6465	SUBCONTRACTORS	12,680.00	10,054.51	1,713.17	912.32
RSC Electrical, Inc. 43750 Garfield Rd. Clinton Twp, MI 48038 (877) 248-8400	SUBCONTRACTORS	66,532.77	56,681.11	6,297.90	3,553.76
The Sheer Shop 7393 23 Mile Rd. Shelby Twp., MI 48316	SUBCONTRACTORS	3,850.00	3,465.00	385.00	.00
Totals		505,224.21	418,459.83	45,360.91	41,403.47

The contractor has not procured material from, or subcontracted with, any person other than those set forth and owes no money for the improvement other than the sums set forth.*

I make this statement as the contractor or as CFO of the contractor to represent to the owner or lessee of the property and his or her agents that the property is free from claims of construction liens, or the possibility of construction liens, except as specifically set forth in this statement and except for claims of construction liens by laborers that may be provided under Section 109 of the Construction Lien Act, 1980 PA 497, MCL 570.1109.

WARNING TO OWNER OR LESSEE: AN OWNER OR LESSEE OF THE PROPERTY MAY NOT RELY ON THIS SWORN STATEMENT TO AVOID THE CLAIM OF A SUBCONTRACTOR, SUPPLIER OR LABORER WHO HAS PROVIDED A NOTICE OF FURNISHING OR A LABORER WHO MAY PROVIDE A NOTICE OF FURNISHING UNDER SECTION 109 OF THE CONSTRUCTION LIEN ACT, 1980 PA 497, MCL 570.1109 TO THE DESIGNEE OR TO THE OWNER OR LESSEE IF THE DESIGNEE IS NOT NAMED OR HAS DIED.

IF THIS SWORN STATEMENT IS IN REGARD TO A RESIDENTIAL STRUCTURE, ON RECEIPT OF THIS SWORN STATEMENT, THE OWNER OR LESSEE, OR THE OWNER'S OR LESSEE'S DESIGNEE MUST GIVE NOTICE OF ITS RECEIPT, EITHER IN WRITING, OR BY TELEPHONE, OR PERSONALLY, TO EACH SUBCONTRACTOR, SUPPLIER, AND LABORER WHO HAS PROVIDED A NOTICE OF FURNISHING UNDER SECTION 109 OR, IF A NOTICE OF FURNISHING IS EXCUSED UNDER SECTION 108 OR 108A, TO EACH SUBCONTRACTOR, SUPPLIER, AND LABORER NAMED IN THE SWORN STATEMENT. IF A SUBCONTRACTOR, SUPPLIER WHO HAS PROVIDED A NOTICE OF FURNISHING OR WHO IS NAMED IN THE SWORN STATEMENT MAKES A REQUEST, THE OWNER, LESSEE, OR DESIGNEE SHALL PROVIDE THE REQUESTER A COPY OF THE SWORN STATEMENT WITHIN 10 BUSINESS DAYS AFTER RECEIVING THE REQUEST.

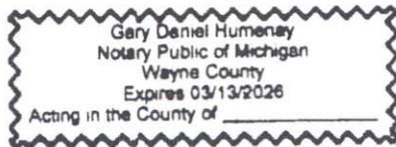
Blair Ackman, CFO

Deponent Signature

WARNING TO DEPONENT: A PERSON WHO GIVES A FALSE SWORN STATEMENT WITH INTENT TO DEFRAUD IS SUBJECT TO CRIMINAL PENALTIES AS PROVIDED IN SECTION 110 OF THE CONSTRUCTION LIEN ACT, 1980 PA 497, MCL 570.1110.

Subscribed and sworn to before me this

30th day of August 2021



Notary Public

County, Michigan

My Commission Expires: 3-13-2026

*Materials furnished by a contractor or a subcontractor out of his or her own inventory, and which has not been purchased specifically for the purpose of performing the contract, need not be listed.

CONTRACTOR'S DECLARATION
(To be attached to the Contractor's periodic Request for Payment)

Project Name: Chapaton Pump Station Lab Relocation & Mezzanine Renovation
Contract No.: WO19082
Contract Date: 12/08/2020
Contractor: Cross Construction Group
Owner: 8 1/2 Mile Relief Drain Drainage District

Certification Period (From the Date of the Contract to the Date of this Declaration) 08/27/2021

I hereby certify that I have not, during the above noted certification period, performed any work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which I shall ask, demand, sue for, or claim compensation from the Owner or its agents, in addition to the regular items set forth in the above noted Contract (and executed Change Orders thereto) executed between the Contractor and the Owner, except as the Contractor hereby claim for additional compensation and/or extension of time as described in previously submitted claim letters to the Owner dated:

Attached Summary, Dated _____

(Contractor to check this box if no claim letters are submitted to date)

CONTRACTOR

By: 
(Authorized Signature)

Name: Blair Ackman
(Print Name)

Title: CFO

Date: 8/30/21

END OF SECTION 00 61 13.1



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/6/21
4. SET ID		5. POST DATE
VP210806MA		

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	WO9211422	8/3/2021	\$ 4,919.81

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	8200017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	Job #9211422; Insulate duct	\$ 4,919.81	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 4,919.81 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</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>8/10/2021</u>
28. Managers: _____	33. Board Date: <u>9/13/2021</u>
29. Coordinator: _____	34. Select For Pay Date: _____



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

Service Invoice

Invoice #: WO9211422

Date: 08/03/2021

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

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

Attn: Accounts Payable

Client PO#:	Employee: Cliff Wilkerson	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	4,919.810000	4,919.81	N

Notes:

See Work Order for Details

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!

Amount Due: \$ 4,919.81



De - Cal Service Group

Commercial & Industrial HVAC Service, Building Automation

Chillers, Boilers, Piping & Plumbing

24659 Schoenherr Rd.

Warren, MI 48089

Phone: 586-619-0281

www.de-cal.com

Customer Name:	Macomb County Chapaton	Date:		De-Cal Job #	9211.
Job Site Location:					
Description Of Work Performed:	Insulate duct			PO #	
				Site Contact:	
LABOR HOURS					
Labor Type	Dates, Technicians	Total Hours		Total	
HVAC Technician		35.0	\$	3,9	
Controls Technician			\$		
Boiler Technician			\$		
Chiller Technician			\$		
OT			\$		
DT			\$		
Veh/Tool Allowance		3.0	\$		
MATERIALS/SUBCONTRACTORS UTILIZED					
Unit #	Material Description	Part #	Quantity	Price	
	Consumables		1.0	\$	
	Insulation		1.0	\$	
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	
				\$	
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				\$	
				\$	
				\$	
				\$	
				\$	
Total Work Order				Material Tax %	\$
				Sell For	
				TOTAL BILLING:	\$ 4,9

Service Report

Service Report No : 9211422-1



Date: July 16, 2021

Client P.O. #: N/A

HVAC Service

Further Work Required

Site:

Macomb Chapaton Pump station
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Client:

Macomb County Chapaton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

insulate duct

Description of Service:

7-16 Drove to B-Y and picked up R-6 foil back duct insulation and scrim tape, and delivered to site

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Jul 16, 2021	3	0

Service Report

Service Report No : 9211422-2



Date: July 19, 2021

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Macomb Chapaton Pump station
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

insulate duct

Description of Service:

7-19 & 20 Arrived onsite, checked in with Kris, insulated all S/A & R/A duct up on mezzanine for HVAC # 2 & 3, when finished cleaned up all trash and debris and disposed of properly, checked out with Kris

PO#s 21-02448 B-Y 21-02412 B-Y

Shop Stock 1 role of FSKL-2 wrap duct 2" x 48" x 75'

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Jul 20, 2021	8	0
Jeff Smith	Jul 20, 2021	8	0
Cliff Wilkerson	Jul 19, 2021	8	0
Jeff Smith	Jul 19, 2021	8	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/6/21
4. SET ID		5. POST DATE
VP210806MA		

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	WO9211436	8/3/2021	\$ 771.20

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	8200017M	93001	CC0004	93001	WO19082	8 1/2 Mile Relief	Job #9211436; Renovation punch list	\$ 771.20	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 771.20

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>8/10/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO9211436

Date: 08/03/2021

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

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

Attn: Accounts Payable

Client PO#:	Employee: Cliff Wilkerson	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	771.200000	771.20	N

Notes:
 See Work Order for Details

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!

Amount Due: \$	771.20
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De - Cal Service Group

Commercial & Industrial HVAC Service, Building Automation

Chillers, Boilers, Piping & Plumbing

24659 Schoenherr Rd.

Warren, MI 48089

Phone: 586-619-0281

www.de-cal.com

Customer Name:	Macomb County Chapaton	Date:		De-Cal Job #	9211
Job Site Location:					
Description Of Work Performed:	Renovation punch list walk thru			PO #	
				Site Contact:	
LABOR HOURS					
Labor Type	Dates, Technicians	Total Hours		Total	
HVAC Technician		6.0	\$		
Controls Technician			\$		
Boiler Technician			\$		
Chiller Technician			\$		
OT			\$		
DT			\$		
Veh/Tool Allowance		1.0	\$		
MATERIALS/SUBCONTRACTORS UTILIZED					
Unit #	Material Description	Part #	Quantity		Price
	Consumables		1.0	\$	
				\$	
				\$	
				\$	
				\$	
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				\$	
				\$	
Total Work Order				Material Tax %	\$
				Sell For	
				TOTAL BILLING:	\$

Service Report



Service Report No : 9211436-1

Date: July 13, 2021

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Macomb Chapaton Pump station
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

renovation punch list walk thru with Chris onsite

Description of Service:

7-13 Drove to site, checked in with Kris, performed a punch list on new H.V.A.C equip. took notes and pictures of all discrepancies found by me, IE: (missing insulation on line sets, duct work, drain lines), drove to shop, uploaded pics, had Jeff help me with write up report, with pictures and text, forwarded to Kris at Chapaton station

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Cliff Wilkerson	Jul 13, 2021	6	0



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/27/21
4. SET ID		5. POST DATE
VP210831MA		

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	WO9211221	8/23/2021	\$ 599.20

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	8200017M	93001	CC0017	93001	WO18006	8 1/2 Mile Relief	Job #9211221; 7/22/21	\$ 599.20	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 599.20 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Backflow Testing

25. Finance Officer: <u>BM/mh</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>9/7/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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DE-CAL, Inc.
 24659 Schoenherr Rd.
 Warren, MI 48089-4775
 Service Phone: 586-619-0281
 Service Fax: 586-486-5242

Service Invoice

Invoice #: WO9211221

Date: 08/23/2021

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

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

Attn: Accounts Payable

Client PO#:	Employee: Rob Ketterer	Due Terms: 30DY
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Assembly#	Part#	Description	Quantity	Price	Ext Price	Sales Tax
		See Attached	1.0000	599.200000	599.20	N

Notes:

See Work Order for Details

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!

Amount Due: \$	599.20
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De - Cal Service Group

Commercial & Industrial HVAC Service, Building Automation

Chillers, Boilers, Piping & Plumbing

24659 Schoenherr Rd.

Warren, MI 48089

Phone: 586-619-0281

www.de-cal.com

Customer Name:	Macomb County Chapaton	Date:		De-Cal Job #	9211221
Job Site Location:					
Description Of Work Performed:	Backflow Testing			PO #	
				Site Contact:	
LABOR HOURS					
<i>Labor Type</i>	<i>Dates, Technicians</i>	<i>Total Hours</i>		<i>Total</i>	
HVAC Technician		4.0		\$	450.00
Controls Technician				\$	-
Boiler Technician				\$	-
Chiller Technician				\$	-
OT				\$	-
DT				\$	-
Veh/Tool Allowance		1.0		\$	75.00
MATERIALS/SUBCONTRACTORS UTILIZED					
<i>Unit #</i>	<i>Material Description</i>	<i>Part #</i>	<i>Quantity</i>	<i>Price</i>	
	Consumables		1.0	\$	20.00
	Backflow Fee		1.0	\$	50.00
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
				\$	-
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				\$	-
				\$	-
				\$	-
				\$	-
Total Work Order				Material Tax %	\$ 4.20
				Sell For	
				TOTAL BILLING:	\$ 599.20

Service Report



Service Report No : 9211221-1

Date: July 22, 2021

Client P.O. #: N/A

HVAC Service

Ready to Invoice/Work Complete

Site:

Macomb Chapaton Pump station
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Client:

Macomb County Chapton
23001 E. 9 Mile Rd., St. Clair Shores , MI ,
48080

Reason for Call:

Backflow testing

Description of Service:

Completed the testing on 3 backflow preventers. Completed the paperwork and tagged the device
Worked with hydrossoft corp to straighten out the customers records and add the violet location.

Technician Work

Name	Date	Reg. hrs	Prem. hrs
Rob Murphy	Jul 21, 2021	4	0



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95337	8/13/21
4. SET ID		5. POST DATE
FSB Bill Pay 9/1/21		

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	08	RV8CF LP5SP	8/9/2021	\$ 12,346.78

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	8200017M	92101	CC0004	92101	WO18006	8 1/2 Mile Relief	Acct #9100-0005-3785, 7/9-8/8	\$ 12,346.78	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 12,346.78

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Payment Coupon

Account Number	910000053785
Due Date:	September 01, 2021
Total Due:	\$12,346.78

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

RV8CF-LP5SP

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
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DTE-Energy Federal ID No.	38-3217752
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Programs you are enrolled in:

SolarCurrents Program

How to contact us:

Power Outage	See Detail Charges
Billing Inquiry	1-734-397-4309

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 07/14/2021	12,346.78
Payment(s) and Credit(s)	- 12,346.78
Remaining Balance	\$0.00

Current Charges

Service Location	Item	Service Type	Rate	Bill Period	Amount
23001 E 9 Mile Rd	7004376662	General Service Municipal Pumping-Net Metering Cat1	EFCND3_WP	07/09 - 08/08/21	12,346.78
		Taxes			0.00
		Miscellaneous Charges			0.00
		Current Bill			\$12,346.78
Amount Due on or before Due Date of 09/01/2021					\$12,346.78

Your current charges are due on September 1, 2021. 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: 200053086081

Billing Period: 07/09/2021 through 08/08/2021

Days Billed: 31

Metering Information

Meter Number	Start Date	Start Read	Stop Date	Stop Read	Read Difference	Units Multiplier	Usage Used	Type
10056082	07/09	83.1A	08/08	90.6A	7.5	6,400.0000	48,000.0	P - In-V
10056082	07/09	110.4A	08/08	122.5A	12.1	6,400.0000	77,440.0	P - In-W
10056085	07/09	0.0A	08/08	0.0A	0.0	6,400.0000	0.0	P - In-W
10056085	07/09	0.0A	08/08	0.0A	0.0	6,400.0000	0.0	P - In-W
10098716	07/09	0.0A	08/08	0.0A	0.0	- 6400.000	0.0	P - Out-V
10098716	07/09	0.0A	08/08	0.0A	0.0	- 6400.000	0.0	P - Out-W
Total KVARH							48,000.00	
Total KWH							77,440.00	

Invoice: 200053086081 Service Name: Chapaton Pumping Station

Item: 7004376662 Cycle: 05

General Service Municipal Pumping-Net Metering Cat1

Billing Status Information

1	On-peak Billing Demand	5688	KW	ESTABLISHED	07/16/2021	15:00
3	65% High OP Bill Dmd June-Oct prec 11 mths	969	KW	ESTABLISHED	07/16/2021	15:00
8	Highest Single Billing Demand	5688	KW	ESTABLISHED	07/16/2021	15:00
A	Current PV High Monthly Demand	5688	KW	ESTABLISHED	07/16/2021	15:00
B	50% of the Contract Capacity for PV	0	KW			
C	Primary Voltage Maximum Demand	5688	KW	ESTABLISHED	07/16/2021	15:00
	Contract Capacity for Location	6738	KW			
	Power Factor (ratio) for all voltages	84	PCT			
	Total Number of days in the Billing Period	31	DAYS			
	Avg Kilowatthours Used Per Day This Period	2498	KWH			
	Avg Kilowatthours Used Per Day A Year Ago	2340	KWH			
	kWh percentage change from a year ago	7	PCT			
	Metered outflow	0	KWH			
	Net Delivery Billed (inflow)	77440	KWH			
	Net Inflow (In - Out)	77440	KWH			

Charges for 07/09/2021 through 08/08/2021

Power Supply Charges:

Power Supply Energy:						
Power Supply Capacity Charge	77,440	KWH	@ \$	0.0390000	Per Total KWH	3,020.16
Power Supply Non Capacity Charge	77,440	KWH	@ \$	0.0434500	Per Total KWH	3,364.77
Surcharges:						
Power Supply Cost Recovery Factor	77,440	KWH	@ \$	0.0032200	Per Total KWH	249.36
Sub Total:						6,634.29

Delivery Charges:

Service Charge						11.25
Distribution:						
Distribution Energy	77,440	KWH	@ \$	0.0386800	Per Total KWH	2,995.38
Surcharges:						
Nuclear Surcharge	77,440	KWH	@ \$	0.0008420	Per Total KWH	65.20
LIEAF Factor	2	MTR	@ \$	0.9100000		1.82
Other Delivery Surcharges						138.84
Sub Total:						3,212.49
Special Facilities Charge						2,500.00

Invoice Subtotal

12,346.78

Michigan State Sales Tax On Taxable Portion

0.00

Invoice Total

\$12,346.78



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/3/21
4. SET ID		5. POST DATE
VP210803MUA		

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	5979626	7/23/2021	\$ 1,557.00

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	8200166M	92113	CC0018	92113	WO18300	MIDDD	Acct#0322513, 8/15-11/14	\$ 778.50	GEN		
B	8200017M	92113	CC0004	92113	WO18006	8 1/2 Mile Relief	Acct#0322513, 8/15-11/14	\$ 583.88	GEN		0
C	8200072M	92113				Martin	Acct#0322513, 8/15-11/14	\$ 116.78	GEN		0
D	8703018M	92113			WO18218	SEMCWWDS (BH)	Acct#0322513, 8/15-11/14	\$ 38.92	GEN		0
E	8703018M	92113			WO18219	SEMCWWDS (V)	Acct#0322513, 8/15-11/14	\$ 38.92	GEN		0
F											
G											

23. Total: \$ **1,557.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Storm Sentry

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Multiple</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>8/10/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--

Account No.	Invoice No.	Invoice Date
0322513	5979626	23-Jul-2021

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 for additional resources.

New Charges	\$ 1,557.00
Late Fees	\$ 0.00
Total Due	\$ 1,557.00

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

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 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

DTN^o

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

#BWNCVKR
0322513

000137 000000255



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



2



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

T1210723.001-273-000000255

Account No.	Invoice No.	Due Date
0322513	5979626	13-Aug-2021
	Amount Due	\$ 1,557.00
Payment enclosed		.

Account Status

New Invoice	Due Date	Balance	Total
5979626	13-Aug-2021	\$ 1,557.00	
			\$ 1,557.00
TOTAL DUE			\$ 1,557.00

New Charges**Detailed Charges**

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

08/15/21-11/14/21 WxSentry Trans Online-Platinum \$ 975.00

SUBTOTAL \$ 975.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB2

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

08/15/21-11/14/21 WxSentry Transp Online-Std \$ 123.00

SUBTOTAL \$ 123.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB3

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

08/15/21-11/14/21 WxSentry Transp Online-Std \$ 153.00

SUBTOTAL \$ 153.00

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.

Services Provided By:

DTN, LLC
Omaha, NE 68022
Tax ID (EIN) - 20-5551424
GST: 83187 6255 RT0001

PST

QC: 1216123332
SK: 2446102
MB: 087446-1
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.

TI210723.001-274-000000255

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

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

Account Number: 0322513 UserID: MACOMB4

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

08/15/21-11/14/21 WxSentry Transp Online-Std \$ 153.00

SUBTOTAL \$ 153.00

Customer: MACOMB COUNTY OPW, CLINTON TOWNSHIP, MI

Account Number: 0322513 UserID: MACOMB5

Email: JOSEPH.BETZ@MACOMBGOV.ORG

Service Period

08/15/21-11/14/21 WxSentry Transp Online-Std \$ 153.00

SUBTOTAL \$ 153.00

Total New Charges \$ 1,557.00





Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/11/21
4. SET ID		5. POST DATE
NP210811MA		

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
Enviroair Consultants, Inc.	V01485	02	9554	8/6/2021	\$ 1,200.00

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	8200017M	95901	CC0018	95901	WO18006	8 1/2 Mile Relief	Confined Space Training	\$ 1,200.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,200.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

PW000178 - Bugamelli/Porvaznick

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 9/7/2021

33. Board Date: 9/13/2021

34. Select For Pay Date: _____



Enviroair Consultants, Inc.

NEW ADDRESS

Enviroair Consultants, Inc.
47519 Van Dyke Avenue
Shelby Township, MI 48317-3375

*Your Solution for
Environmental, Safety and
Industrial Hygiene Compliance*

Invoice

BILL TO
Macomb County Public Works 21777 Dunham Road Clinton Township, MI 48036 Attn: Finance Department



DATE	INVOICE NO.
8/6/2021	9554

P.O. NO.	TERMS	REP	PROJECT
PW000178	Net 10	DCM	210805-DCM1

DESCRIPTION	AMOUNT
CONFINED SPACE TRAINING FOR SAMUEL BUGAMELLI AND AARON PORVANZNICK, PROVIDED AT 23001 EAST NINE MILE ROAD IN ST. CLAIR SHORES, MICHIGAN FIELD DATE: August 5, 2021 Confined Space Training for 2 Employees PLEASE REMIT TO: Enviroair Consultants, Inc. 47519 Van Dyke Avenue Shelby Township, MI 48317	1,200.00

Enviroair Consultants, Inc. EIN: 38-2993614. Make all checks payable to: Enviroair Consultants, Inc.
If you have any questions concerning this invoice, please call: 586-840-3230

Client agrees to pay to Enviroair Consultants, Inc. interest from the due date of such payment until paid, at the rate of 1.5% per month, or such lesser charge as may represent the maximum legal non-usurious rate permitted by law. If this account is given to a collection agency or to an attorney for collection, or if suit is brought for collection, or if is collected through probate, bankruptcy or other judicial proceeding, then Client shall pay to Enviroair Consultants, Inc. all costs of collection, including attorney's fees and court costs, in addition to other amounts due.

THANK YOU FOR YOUR BUSINESS

Total	\$1,200.00
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PURCHASE ORDER NO.

PW000178

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Vendor: **V01485**
ENVIROAIR CONSULTANTS INC

47519 VAN DYKE AVENUE
SHELBY TWP, MI 48317

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

Requested by: Michelle Houvener

Req. Dt: 07/28/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	95901	8-Hour Confined Space Entry Training	1.00		1,200.00	1,200.00

TOTAL \$1,200.00

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

AUTHORIZED AGENT

Print Date: 07/28/2021

(18) Communication Plans for Confined Spaces

Following the course, the students must pass a post-training quiz to successfully complete the training. Enviroair will mail *Certificates of Completion* to you for distribution to the participants who attended the training and passed the quiz.

III. SCHEDULING

Enviroair will provide this training at a mutually agreeable day.

IV. FEES

The 8-hour *Confined Space* training for 2-Macomb County Public Works employees will be provided for a one-time special price of:

- **\$1,200** for 2 employees at your site in St Clair Shores, Michigan.

There is a premium charge applied to training services provided during a weekend (i.e., Saturday or Sunday) or an Enviroair holiday. See the Term and Conditions for an explanation.

V. TERMS AND CONDITIONS

We have attached a copy of our standard Terms and Conditions in Appendix B. These Terms and Conditions are incorporated into this Proposal. The proposal is valid for a period of 14 days from the date of issue.

VI. CLOSING

If you have questions regarding this proposal or you need additional information, please contact me at (586) 840-3230, Ext. 101. Enviroair looks forward to providing these services to Macomb County Public Works.

Sincerely,

Marie Nassar

Marie Nassar
Project Coordinator
MN/mn
Attachments



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/23/21
4. SET ID		5. POST DATE
VP210824MA		

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	403289	8/11/2021	\$ 38,424.75

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	8200017M	80138	CC0004	80138	WO19005	8 1/2 Mile Relief	Pjt #190051 through 8/6/21	\$ 38,424.75	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 38,424.75

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

As Needed Services

<p>25. Finance Officer: <u>BM/mh</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>\$113,008.09</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</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 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 8/11/2021

INVOICE START DATE 7/10/2021

INVOICE END DATE 8/6/2021

ORIGINAL CONTRACT AMOUNT	\$ 151,919.00
CHANGE ORDER TOTAL	\$ 203,732.00
Change Order No. 1	\$ 75,000.00
Change Order No. 2	\$ 128,732.00
Change Order No. 3	
Change Order No. 4	
TOTAL REVISED CONTRACT AMOUNT	\$ 355,651.00
(includes all approved change orders only)	
TOTAL AMOUNT PREVIOUSLY INVOICED	\$ 204,218.16
TOTAL AMOUNT DUE THIS INVOICE	\$ 38,424.75
TOTAL BUDGET REMAINING	\$ 113,008.09
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)	

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 : 403289
Invoice Date : 8/11/2021
Project : 190051
Project Name : Macomb Co PW/8.5 As-needed
 Engineering
Bill Term : 1

For Professional Services Rendered Through 8/6/2021

WO19005

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Genral As Needed	32,977.61	32,977.61	0.00	0.00	0.00
1.A - Task 1a - Chapaton Structural Study	46,910.34	0.00	46,910.34	46,910.34	0.00
1.B - Task 1b - 9 Mile Pipe Repair (WO19105)	20,816.15	0.00	20,816.15	20,816.15	0.00
1.C - Task 1c - In-System Storage As-Needed	10,185.00	10,185.00	10,129.70	0.00	10,129.70
<i>Rate Labor</i>	35.00				
<i>Expenses</i>	10,094.70				
1.D - Task 1d - Office Improvements	21,393.90	0.00	21,393.90	21,393.90	0.00
1.E - Task 1e - Maps	7,500.00	4,776.59	5,218.41	2,723.41	2,495.00
<i>Rate Labor</i>	2,495.00				
1.F - Task 1f - Chapaton Sampling Plan	4,065.60	0.00	4,065.60	4,065.60	0.00
1.G - Task 1g - Chapaton Survey	2,084.25	0.00	2,084.25	2,084.25	0.00
1.H - Task 1h - Chapaton Bar Screen Hydraulic Isolation	2,976.75	0.00	2,976.75	2,976.75	0.00
1.I - Task 1i - Chapaton Environmental Study	8,521.60	0.01	8,521.59	8,521.59	0.00
1.j - Task 1j - Chapaton Flow Meter Drawings	2,680.00	0.00	2,680.00	2,680.00	0.00
1.k - Task 1k - Chapaton High Water Protection	4,783.80	0.00	4,783.80	4,783.80	0.00
1.l - Task 1l - Chapaton 3D Animation	3,557.00	0.00	3,557.00	3,557.00	0.00
1.M - Task 1m - Chapaton Ground Penetrating Radar	4,589.00	0.00	4,589.00	4,589.00	0.00
1.N - Task 1n - Chapaton Div 01 Specs	3,428.00	0.00	3,428.00	3,428.00	0.00
1.O - Task 1o - RTB & 9EB Structural Repair	148,682.00	94,914.67	79,567.38	53,767.33	25,800.05
<i>Rate Labor</i>	82.00				
<i>Expenses</i>	25,718.05				
1.P - Task 1p - SRF 5685-01 Project Plan Amendment	24,500.00	5,999.45	18,500.55	18,500.55	0.00
1.Q - Task 1q - Chapaton Canal Expansion Analysis	6,000.00	2,579.51	3,420.49	3,420.49	0.00

Current Billings	38,424.75
Amount Due This Bill	<u>38,424.75</u>

1.C - Task 1c - In-System Storage As-Needed

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	0.50	70.0000	35.00

Total Rate Labor

35.00

Expenses

<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
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Subconsultant

Applied Science Inc	9,614.00	1.05	10,094.70
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Total Expenses

10,094.70

Total Bill Task: 1.C - Task 1c - In-System Storage As-Needed

10,129.70

1.E - Task 1e - Maps

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	0.50	70.0000	35.00
Senior Engineer	15.00	164.0000	2,460.00

Total Rate Labor

2,495.00

Total Bill Task: 1.E - Task 1e - Maps

2,495.00

1.O - Task 1o - RTB & 9EB Structural Repair

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	0.50	164.0000	82.00

Total Rate Labor

82.00

Expenses

<i>Account / Vendor</i>	<i>Cost</i>	<i>Multiplier</i>	<i>Amount</i>
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Subconsultant

NTH Consultants Ltd	24,493.38	1.05	25,718.05
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Total Expenses

25,718.05

Total Bill Task: 1.O - Task 1o - RTB & 9EB Structural Repair

25,800.05

Total Project: 190051 - Macomb Co PW/8.5 As-needed Engineering

38,424.75



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/11/21
4. SET ID		5. POST DATE
VP210811MA		

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	174897	8/9/2021	\$ 1,610.00

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	8200017M	93001	CC0004	93001	WO18006	8 1/2 Mile Relief	SO #60336	\$ 1,610.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,610.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</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 #
8/9/2021	174897

Bill To
Macomb County Public Works 21777 Dunham Clinton Twp., MI 48036

Ship To
23001 E. 9 Mile St. Clair Shores 9 & Jefferson Chris Benda - 586-772-3425

S.O. No.	P.O. No.	Terms	Due Date	Rep
60336		Net 30	9/8/2021	JH

Description	Ordered	B.O.	Shipped	U/M	Unit Cost	Total
Hollow Metal Frame Assembly, R/O 46 x 82	1	0	1		1,610.00	1,610.00
Hollow metal entry slab, LHR, Mortise prep	1	0	1		0.00	0.00
NRP hinges for hollow metal door	3	0	3		0.00	0.00
Threshold for hollow metal entry door	1	0	1		0.00	0.00
Brush sweep 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
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
Reinstall existing hardware						
Completed 08/05/2021						
Installed per quote						
Please remit						

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

Subtotal \$1,610.00

Sales Tax (0.0%) \$0.00

Total \$1,610.00

Payments/Credits \$0.00

Balance Due \$1,610.00

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
Michelle Houvener	95966	8/17/21
4. SET ID		5. POST DATE
VP210818MB		

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	V66420	02	202113086	8/10/2021	\$ 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	8200017M	80126	CC0004	80126	WO18006	8 1/2 Mile Relief	PW000184 (partial) - 20211643BS	\$ 800.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 800.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Partial PW000184

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



Invoice No. 202113086

Knowledgeable • Professional • Attentive • Likeable

23905 Freeway Park • Farmington Hills, MI 48335
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

Date: 08/10/2021

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

Project: 20211643BS Chapaton Outfall Gate #4 AUMA repair

Contact: Kris Benda **P.O.#** PW000184 (Partial) **Salesperson:** Heather Walker **Due Date:** 09/09/2021

Description	Unit	Qty	Rate	Amount
Field Service	Each	1.00	800.00	800.00
1/2 day of field service to troubleshoot AUMA actuator and determine required parts for repair.				

Notes:

Services Performed: 7/28/2021

We have moved!

Please update your records to reflect our new address
23905 Freeway Park Drive
Farmington Hills, MI 48335

Non-Taxable Amount:	800.00
Taxable Amount:	0.00
Sales Tax:	0.00
Payments/Credits:	0.00
Amount Due	800.00



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 8/30/21
4. SET ID VP210831MA		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
HESCO	V66420	02	202113122	8/26/2021	\$ 2,700.00

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	8200017M	80126	CC0004	80126	WO18006	8 1/2 Mile Relief	PW000184 (Balance) - 20211643BS	\$ 2,700.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 2,700.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
Balance PW000184

25. Finance Officer: <u>BM/mh</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>9/7/2021</u>
28. Managers: _____	33. Board Date: <u>9/13/2021</u>
29. Coordinator: _____	34. Select For Pay Date: _____



Invoice No. 202113122

Knowledgeable • Professional • Attentive • Likeable

23905 Freeway Park • Farmington Hills, MI 48335

Date: 08/26/2021

Phone: 586.978.7200 • Fax: 586.978.2200

www.hesco-mi.com

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

Project: 20211643BS Chapaton Outfall Gate #4 AUMA repair

Contact: Kris Benda

P.O.# PW000184

Salesperson: Heather Walker

Due Date: 09/25/2021

(Balance)

Description	Unit	Qty	Rate	Amount
HESCO Field Service	Each	1.00	1,600.00	1,600.00
Two (2) Technicians for 1/2 Day of field service to install interface board & reset actuator limits; service performed 8/23/21				
AUMA SPA5.001 - Board Assembly	Each	1.00	1,100.00	1,100.00

Notes:

Field Service documents enclosed

We have moved!

Please update your records to reflect our new address
23905 Freeway Park Drive
Farmington Hills, MI 48335

Non-Taxable Amount:	2,700.00
Taxable Amount:	0.00
Sales Tax:	0.00
Payments/Credits:	0.00
Amount Due	2,700.00

PURCHASE ORDER NO.

PW000184

PURCHASE ORDER NUMBER MUST
APPEAR ON ALL INVOICES AND SHIPPING
DOCUMENTS.

Vendor: **V66420**
HESCO

23905 FREEWAY PARK
FARMINGTON HILLS, MI 48335

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

Requested by: Michelle Houvener

Req. Dt: 08/04/2021

ITEMS

ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	93002	AUMA SPA5.001 AM Board ASSY	1.00		1,100.00	* 1,100.00
0002	8200017M	80126	Field Service Tech 1/2 Day service to install interface board and reset actuator limits	1.00		1,600.00	* 1,600.00
0003	8200017M	80126	Field Service 1/2 day of field service to troubleshoot AUMA actuator and determine required parts for repair	1.00		800.00	800.00
0004	8200017M	80126	Quote #QT-780/1	1.00		0.00	0.00
						TOTAL	\$3,500.00

BILL TO:

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

Bruce Manning/mh
AUTHORIZED AGENT

Print Date: 08/04/2021

QUOTE



Knowledgeable • Professional • Attentive • Likeable

23905 Freeway Park • Farmington Hills, MI 48335
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

TO: Kristopher Benda
Macomb County Public Works Commission
21777 Dunham Rd
Clinton Twp MI 48036

Wednesday, August 4, 2021

QUOTE #: QT-780/1
SALESPERSON: Heather Walker

kristofer.benda@macombgov.org

Chapaton Outfall Gate #4 AUMA repair

LINE ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	LINE TOTAL
1.00	AUMA SPA5.001 AM Board ASSY 460/115 Interface No E	1		\$1,100.00	\$1,100.00
2.00	Field Service Technicians 1/2 Day of field service to install interface board, and reset actuator limits. Includes two service technicians.	1		\$1,600.00	\$1,600.00
3.00	Field Service 1/2 day of field service to troubleshoot AUMA actuator and determine required parts for repair. (Note this work has already been performed).	1		\$800.00	\$800.00
				SUBTOTAL:	\$3,500.00
				MI SALES TAX:	0.00
				TOTAL:	\$3,500.00

Ship Via:	Best Way FOB Factory	Shipping Terms:	Included
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Payment Terms:	Net 30	Quote Valid Through:	10/02/2021
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Lead Time:	Shipment: 2-4 Weeks ARA
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If favored with a Purchase Order, please issue it to:
HESCO
23905 Freeway Park Drive
Farmington Hills, MI 48335

END QUOTE



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 8/3/21
4. SET ID VP210803MUA		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
JCI JONES CHEMICALS INC	V65297	01	861868	7/30/2021	\$ 4,257.80

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	8200017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Order #641250; 7/30/21	\$ 4,257.80	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **4,257.80**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</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>8/10/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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www.jcichemicals.com

INVOICE

*** 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

Inv Date	Invoice #
07/30/2021	861868
Date Shipped	Order/BOL #
07/30/2021	641250

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			
VBL-CHRIS BENDA		Destination		Delivered		NORTH			
Release #		Ship Via		Terms		Due Date		Discount Due Date	
		Harold Marcu		N 30		08/29/2021		8/29/2021	
Units	Package	Product Name		Total Quantity	Unit Price	Amount			
4,409.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)		4,409.0000/Gal	0.9600 /Gal	4,232.64			
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> OUTSIDE CARRIER: HAROLD MARCUS NET WEIGHT: 44 460 FSC							
		Fuel Surcharge				25.16			

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: **4,257.80**

Remit To: **JCI Jones Chemicals, Inc.**
MSC# 729
PO BOX 830674
Birmingham, AL 35283-0674 USA

PLEASE PAY
 THIS AMOUNT





ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/26/21
4. SET ID		5. POST DATE
VP210826MUA		

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	01	864617	8/23/2021	\$ 4,700.20

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	8200017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Order #642819; 8/23/21	\$ 4,700.20	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 4,700.20 REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</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>9/7/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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www.jcichemicals.com

INVOICE

*** 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

Inv Date	Invoice #
08/23/2021	864617
Date Shipped	Order/BOL #
08/23/2021	642819

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	
VERBAL KRIS BENDA		Destination		Delivered		NORTH	
Release #		Ship Via		Terms		Due Date	
		JCI		N 30		09/22/2021	
Discount Due Date						9/22/2021	
Units	Package	Product Name		Total Quantity	Unit Price	Amount	
4,876.00	1 Gal Bulk	HYPOCHLORITE SOLUTION, SS150 1201-001 BULK (\$85 Stop Fee) (+ fsc)		4,876.0000/Gal	0.9600 /Gal	4,680.96	
General Remarks:		<> EMAIL INVOICE TO: michelle.houvener@macombgov.org <> NET WEIGHT: 49.040 FSC					
		Fuel Surcharge				19.24	

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Total: 4,700.20

Remit To: **JCI Jones Chemicals, Inc.**
MSC# 729
PO BOX 830674
Birmingham, AL 35283-0674 USA

PLEASE PAY
THIS AMOUNT



JCI Welcomes payments via ¹²⁵ACH, EFT and WIRE



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/4/21
4. SET ID		5. POST DATE
VP210805MA		

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
Marino's Landscape	V66876	01	14583	7/31/2021	\$ 1,156.00

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	8200017M	92900	CC0004	92900	WO18006	8 1/2 Mile Relief	Lawn Care July 2021	\$ 1,156.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,156.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>8/10/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---

Marino's Landscape
 51879 Schoenherr Rd
 Shelby Twp, MI 48315
 586-803-3860



Macomb County Public Works Office
 21777 Dunham Rd.
 Clinton Twp, MI 48036

PO #
 Invoice # 14583
 Invoice Date 7/31/2021

Invoice Balance	1156.00
------------------------	----------------

Email: Lori@marinoslandscape.com
 Website: www.marinoslandscape.com

Date	Description	Qty	Price	Total
7/6/2021	Lawn Maintenance	1.00	289.00	289.00
7/13/2021	Lawn Maintenance	1.00	289.00	289.00
7/20/2021	Lawn Maintenance	1.00	289.00	289.00
7/27/2021	Lawn Maintenance	1.00	289.00	289.00

Terms Due on receipt
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080

Subtotal 1156.00
Invoice Total 1156.00

Invoice Balance	1156.00
------------------------	----------------

Client Name Macomb County Public Works Office
For 23001 E. 9 Mile Rd. - Chapaon 8 1/2 Mile, St Clair Shores MI 48080
Invoice # 14583
Invoice Date 7/31/2021
Invoice Balance 1156.00
Amount Enclosed

PAYMENT STUB

Marino's Landscape
 51879 Schoenherr Rd
 Shelby Twp, MI 48315

Card #	
Exp. Date	
Signature	

Invoices are due by terms listed. A monthly Finance Charge of 1 1/2% will be added monthly to balance 30 days past due.
<http://marinoslandscape.manageandpaymyaccount.com>
 (If you do not have your login information contact our office)
 Thank you for choosing Marino's Landscape.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/27/21
4. SET ID		5. POST DATE
VP210831MA		

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
Meadowbrook Insurance	V72943	02	5404	8/16/2021	\$ 110,000.00

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	8200166M	91101	CC0018	91101	WO18300	MIDDD	Adm Fee (9/4/21 - 12/31/21)	\$ 22,000.00	GEN		
B	8200166M	12301	CC0018	12301	WO18300	MIDDD	Adm Fee (1/1/22- 9/4/22)	\$ 66,000.00	GEN		0
C	8200017M	91101	CC0004	91101	WO18006	8 1/2 Mile Relief	Adm Fee (9/4/21 - 12/31/21)	\$ 5,500.00	GEN		0
D	8200017M	12301	CC0004	12301	WO18006	8 1/2 Mile Relief	Adm Fee (1/1/22- 9/4/22)	\$ 16,500.00	GEN		0
E											
F											
G											

23. Total: \$ 110,000.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: _____ BM/mh</p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: _____ 8 1/2 Mile Relief; MIDDD</p> <p>31. Project Balance: _____ N/A</p> <p>32. Staff Date: _____ 9/7/2021</p> <p>33. Board Date: _____ 9/13/2021</p> <p>34. Select For Pay Date: _____</p>
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16142 Collection Center Drive
 Chicago, IL 60693-0002
 (877) 759-4365

Macomb Interceptor Drain Drainage District
21777 Dunham Road
Clinton Township, MI 48036

Invoice # 5404	Page 1 of 1
Account Number	Date
MACOCOU-02	8/16/2021
BALANCE DUE ON	
9/30/2021	
AMOUNT PAID	Amount Due
	\$110,000.00

Payment Methods:

ACH/Wire Information

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

Make checks payable to:

Meadowbrook Insurance Agency

Service Fee Policy Number MCPWOCIPADMINFEE Effective: 9/4/2021 to 9/4/2022

Item #	Trans Eff Date	Due Date	Trans	Description	Amount
250957	9/4/2021	9/30/2021	NEWB	Macomb County Public Works OCIP Administration Fee	\$110,000.00

Total Invoice Balance: \$110,000.00

Payment due upon receipt.



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/2/21
4. SET ID		5. POST DATE
VP210902MB		

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	92862	9/1/2021	\$ 595.00

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	8200017M	93002	CC0014	93002	WO18077	MIDDD	Job #921501; 8/6/21	\$ 595.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 595.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Caded up drawing markups from 8/5/21

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



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	8/6/2021	9/1/2021	92862

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	\$595.00	-	\$595.00	\$595.00	-	-
Totals:		\$595.00		\$595.00	\$595.00		
Less Retained:				-			
Invoice Total:				\$595.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 8/6/2021

8-1/2 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: 92862
Invoice Date: 9/1/2021

Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Labor	7.00			\$595.00		\$0.00	\$0.00	\$595.00
Invoice Totals:	7.00			\$595.00		\$0.00	\$0.00	\$595.00

Invoice Detail by Field Report

8/6/2021 Chapaton West

Report Number: G921501-0000	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	7.00			\$595.00		\$0.00	\$0.00	\$595.00
Report Totals:	7.00			\$595.00		\$0.00	\$0.00	\$595.00

9440 GRINNELL DETROIT, MI 48213-1151



FIELD REPORT

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

FORM #

G 921501 - 00003

Job No Serial No

CUSTOMER:

DATE:

JOB NO:

LOCATION OF WORK:

CUSTOMER ORDER NO:

PO NO:

PROJECT MANAGER:

WORK PERFORMED (BE AS DESCRIPTIVE AS POSSIBLE):

Caded up drawing markups from 8/5/21. Compiled open issues and created document.

LABOR

NAME	TRUCK NO.	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1 Darin Gilbert		Engineer	7.00	0.00	0.00	1	
TOTAL HOURS			7.00	0.00	0.00		

EQUIPMENT

DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1 Service Truck	0	2 Manlift Scissors to 25'	0	3 Pick Up Truck	0
4 Rolling Set Up	0	5 Manlift Boom to 40'	0	6 .None	0

MATERIALS

QTY	DESCRIPTION	PRICE	PER	EXTENSION
0	None	\$0.00		\$0.00

MATERIAL TOTAL

BY:

BY: _____

(SUPERVISOR SIGNATURE AND DATE)

(AUTHORIZED SIGNATURE AND DATE)

Darin Gilbert

(PRINT NAME)

Brent Welser

(PRINT NAME)

921501-00003



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/2/21
4. SET ID		5. POST DATE
VP210902MB		

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	93861	9/1/2021	\$ 795.00

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	8200017M	93002	CC0014	93002	WO18077	MIDDD	Job #921501; 8/5/21	\$ 795.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 795.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Verified drawings againas panel state against logic

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



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	8/5/2021	9/1/2021	93861

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	\$795.00	-	\$795.00	\$795.00	-	-
Totals:		\$795.00		\$795.00	\$795.00		
Less Retained:				-			
Invoice Total:				\$795.00			

AS NEEDED ELECTRICAL AND ENGINEERING SERVICE

SEE ATTACHED INVOICE SUMMARY AND FIELD REPORT

WORK PERFORMED 8/5/2021

8-1/2 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: 93861
Invoice Date: 9/1/2021

Invoice Detail

INVOICE DETAIL	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	INVOICE TOTAL
Labor	8.00	1.00		\$795.00		\$0.00	\$0.00	\$795.00
Invoice Totals:	8.00	1.00		\$795.00		\$0.00	\$0.00	\$795.00

Invoice Detail by Field Report

8/5/2021 Chapaton West Control Panel

Report Number: G921501-0000	ST HRS	OT HRS	DT HRS	COST	TAX	MARKUP	OH & P	REPORT TOTAL
Labor	8.00	1.00		\$795.00		\$0.00	\$0.00	\$795.00
Report Totals:	8.00	1.00		\$795.00		\$0.00	\$0.00	\$795.00

9440 GRINNELL DETROIT, MI 48213-1151



FIELD REPORT

MOTOR CITY ELECTRIC CO.
(313) 921-5300/FAX (313) 921-531

FORM #

G 921501 - 00002

Job No Serial No

CUSTOMER:

DATE:

JOB NO:

LOCATION OF WORK:

CUSTOMER ORDER NO:

PO NO:

PROJECT MANAGER:

WORK PERFORMED (BE AS DESCRIPTIVE AS POSSIBLE):

Verified drawings against panel state against logic. Updated logic. Marked up drawings.

LABOR

NAME	TRUCK NO.	CLASSIFICATION	STRAIGHT TIME	TIME AND ONE HALF	DOUBLE TIME	SHIFT	COMMENTS
1 Darin Gilbert		Engineer	8.00	1.00	0.00	1	
TOTAL HOURS			8.00	1.00	0.00		

EQUIPMENT

DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY	DESCRIPTION	QUANTITY
1 Service Truck	0	2 Manlift Scissors to 25'	0	3 Pick Up Truck	0
4 Rolling Set Up	0	5 Manlift Boom to 40'	0	6 .None	0

MATERIALS

QTY	DESCRIPTION	PRICE	PER	EXTENSION
0	None	\$0.00		\$0.00

MATERIAL TOTAL

BY: 

BY:

(SUPERVISOR SIGNATURE AND DATE)

(AUTHORIZED SIGNATURE AND DATE)

Darin Gilbert

(PRINT NAME)

Brent Welser

(PRINT NAME)

921501- 00002



ONESolution
 ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

PREPARED BY	PHONE NUMBER	DATE
Houvenner	95966	8/6/2021
SET ID	POST DATE	
VP210806MA		

PARENT RECORD INFORMATION					
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT
NexGen	V65304	01	2959	8/5/2021	\$ 41,750.00

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							
8200166M	80152	CC0018	80152	WO20041	MIDDD	License/Support/Contractor Portal 7/1-9/30	\$ 3,593.73	GEN		
8200017M	80152	CC0004	80152	WO20041	8 1/2 Mile Relief	License/Support/Contractor Portal 7/1-9/30	\$ 2,695.29	GEN		
8200072M	80152		80152	WO20041	Martin	License/Support/Contractor Portal 7/1-9/30	\$ 539.04	GEN		
8703018M	80152		80152	WO20041	SEMCWWDS	License/Support/Contractor Portal 7/1-9/30	\$ 359.37	GEN		
8200166M	12302	CC0018	12302	WO20041	MIDDD	License/Support/Contractor Portal 10/1-6/30	\$ 10,781.27	GEN		
8200017M	12302	CC0004	12302	WO20041	8 1/2 Mile Relief	License/Support/Contractor Portal 10/1-6/30	\$ 8,085.96	GEN		
8200072M	12302		12302	WO20041	Martin	License/Support/Contractor Portal 10/1-6/30	\$ 1,617.21	GEN		
8703018M	12302	:	12302	WO20041	SEMCWWDS	License/Support/Contractor Portal 10/1-6/30	\$ 1,078.13	GEN		
8200166M	80152				MIDDD (IT)	License/Support/Contractor Portal 7/1-9/30	\$ 13,000.00	GEN		
		:		:						

TOTAL: \$ 41,750.00

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 IT to reimburse MIDDD for (5) License Maintenance & Support used by Stormwater Division

Finance Manager:	BM/mh	Drain:	Multiple
Chief Engineer:		Project Balance:	N/A
Engineer(s):		Staff Date:	8/10/2021
Manager(s):		Board Date:	9/13/2021
Coordinator:		Select for Pay Date:	

NEXGEN Utility Management

4010 Lennane Drive
Sacramento, CA 95834

Invoice

Invoice #: 2959
Invoice Date: 8/5/2021
Due Date: 8/20/2021
Terms: Net 15
P.O. Number:

Bill To:

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

Item	Description	Hours/Qty	Rate	Class	Serviced	Amount
NEXGEN AM License ...	NEXGEN AM License Maintenance & Support Jul 1, 2021 - Jun 30, 2022	10	2,600.00	AM		26,000.00
NEXGEN Contractor Po...	NEXGEN Contractor Portal Jul 1, 2021 - Jun 30, 2022		15,750.00	AM		15,750.00T
	No Sales Tax		0.00%	AM		0.00
(W020041)	\$ 28,750.00					
MIDD	14,375.00	3593.73	10781.27			
812	10781.25	2695.29	8085.96			
Martin	2156.25	539.04	1617.21			
SENCWWAS	1437.50	359.37	1078.13			
MIDD (Reimb by IT)	\$ 13,000.00					

Direct Deposit: Bank of America Routing: 121000358 Account: 07031 41840
Send remittances to: vyee@nexgenum.com.

Phone #	E-Mail
916.564.8000	vyee@nexgenam.com

Total	\$41,750.00
Payments/Credits	\$0.00
Balance Due	\$41,750.00



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/30/21
4. SET ID		5. POST DATE
VP210831MA		

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
Presidio	V56026	03	6013521011806	8/16/2021	\$ 1,850.56

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	8200017M	93001	CC0004	93001	WO19082	8 1/2 Mile Relief	Cisco IP Phones	\$ 1,850.56	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,850.56

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: BM/mh

26. Chief Deputy: _____

27. Engineers: _____

28. Managers: _____

29. Coordinator: _____

30. Drain: 8 1/2 Mile Relief

31. Project Balance: N/A

32. Staff Date: 9/7/2021

33. Board Date: 9/13/2021

34. Select For Pay Date: _____

PRESIDIO™

Presidio Networked Solutions Group, LLC
 EIN: 76-0515249, DUNS: 15-405-0959
 For questions on this invoice please call:
 Pam Russo
 (p) +1.616.871.1628, (f)
 prusso@presidio.com

Please send payments
 made payable to:
 Presidio Networked Solutions Group, LLC
 PO Box 677638
 Dallas, TX 75267-7638
 Wire or ACH Payments:
 PNC Bank
 Acct: 8616159745
 ABA 031000053

INVOICE: 6013521011806

DATE: 8/16/2021

PAGE: 1 of 1

V56026(03)

BILL TO: Macomb County
 Accounts Payable
 120 North Main St
 Mt Clemens, MI 48043

SHIP TO: Macomb County - Chapaton Building
 Jennifer Laymon
 23001 E. 9 Mile Road
 St. Clair Shores, MI 48080

Chapaton Lab 3 Mezzanine W019082

Customer #: MACOM007
Account Manager: Scott Sutherland
Payment Terms: Net 30
Title: Chapaton - East Building Switch

Customer PO#: J.Laymon - 8.10.21
Order #: 3001222104915
Quote #: 2003521054431-01
Contract Vehicle: *Open Market

Part #	Description	Unit Price	Qty Ordered	Qty Shipped	Tax	Extended Price
CP-8841-K9=	Cisco IP Phone 8841 Serial #: FCH252823FF, FCH25273N32, FCH25273M2J, FCH252824WW	\$206.720	4.0	4.0	\$0.00	\$826.88
SFP-10G-LRM=	10GBASE-LRM SFP Module Serial #: OPM25231FQ2, OPM25231FQ5	\$474.340	2.0	2.0	\$0.00	\$948.68

No return merchandise accepted without prior Return Authorization.
 All returns subject to a 20% restocking fee.
 If not billed on this invoice, all taxes are to be paid by the buyer.
 Past due balances are subject to 1.5% per month finance charge.
 GST/HST# 75468 2292 RT0001
 Delivery of software licenses and software maintenance are agreed to be accepted in electronic form.

Sub Total:	\$1,775.56
Miscellaneous:	\$0.00
Shipping & Handling:	\$75.00
Tax:	\$0.00
Grand Total:	\$1,850.56

Discrepancies must be reported within 5 days of receipt of shipment or shipment will be considered complete.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/1/21
4. SET ID		5. POST DATE
VP210902MA		

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
Pullman SST, Inc.	V73878	01	WO21008, EST #3	8/26/2021	\$ 25,569.00

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	8200017M	80126	CC0004	80126	WO21008	8 1/2 Mile Relief	Est #3, 7/28-8/26	\$ 25,569.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **25,569.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Record retainage of \$2,841. Total retainage \$16,541.50

<p>25. Finance Officer: <u>BM/mh</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>\$571,535 (includes retainage)</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONSULTANT INVOICE COVER SHEET**

WORK ORDER NUMBER	WO21008
PROJECT NUMBER	WWS-2021-001
PROJECT NAME	Chapaton Basin and 9 Mile Emergency Bypass Swr Repair
DRAINAGE DISTRICT	8 1/2 Mile Relief Drain Drainage District
CONSULTANT NAME	Pullman SST, Inc.
INVOICE DATE	8/26/2021
INVOICE START DATE	7/28/2021
INVOICE END DATE	8/26/2021

ORIGINAL CONTRACT AMOUNT		\$ 736,950.00
CHANGE ORDER TOTAL		
		\$ -
Change Order No. 1	Date Executed:	
Change Order No. 2	Date Executed:	
Change Order No. 3	Date Executed:	
Change Order No. 4	Date Executed:	
TOTAL REVISED CONTRACT AMOUNT		\$ 736,950.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED		\$ 137,005.00
TOTAL AMOUNT DUE THIS INVOICE		
		\$ 25,569.00
TOTAL BUDGET REMAINING		\$ 571,535.00
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		

Contractor's Application for Payment

Owner: <u>8-1/2 Mile Relief Drain Drainage Dist.</u>	Owner's Project No.: <u>WWS-2021-001</u>
Engineer: <u>NTH Consultants, Ltd.</u>	Engineer's Project No.: <u>61-190017-10</u>
Contractor: <u>Pullman SST, Inc.</u>	Contractor's Project No.: <u>600468</u>
Project: <u>Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs</u>	
Contract: <u>Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs</u>	
Application No.: <u>3</u>	Application Date: <u>8/26/2021</u>
Application Period: From <u>7/28/2021</u> to <u>8/26/2021</u>	

1. Original Contract Price	\$	736,950.00
2. Net change by Change Orders	\$	-
3. Current Contract Price (Line 1 + Line 2)	\$	736,950.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	165,415.00
5. Retainage		
a. <u>10%</u> X \$ <u>165,415.00</u> Work Completed	\$	16,541.50
b. <u>0%</u> X \$ <u>-</u> Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	16,541.50
6. Amount eligible to date (Line 4 - Line 5.c)	\$	148,873.50
7. Less previous payments (Line 6 from prior application)	\$	123,304.50
8. Amount due this application	\$	25,569.00
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	571,535.00

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

- (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
- (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
- (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Record \$ 7841.00 retainage

Contractor: PULLMAN SST, INC.

Signature: James Travnik **Date:** 8/26/2021

Recommended by Engineer

By: DocuSigned by:
John R. Kosnak
28C80029F4504E2

Title: Principal Engineer

Date: August 31, 2021

Approved by Owner

By: [Signature]

Title: Engineer II

Date: 08/31/2021

Approved by Funding Agency

By: N/A

Title: _____

Date: _____

By: [Signature]

Title: Operations & Flow Manager

Date: 08/31/2021

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner: 8-1/2 Mile Relief Drain Drainage Dist.
 Engineer: NTH Consultants, Ltd.
 Contractor: Pullman SST, Inc.
 Project: Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs
 Contract: Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs

Owner's Project No.: WWS-2021-001
 Engineer's Project No.: 61-190017-10
 Contractor's Project No.: 600468

Application No.: 3 Application Period: From 07/28/21 to 08/26/21 Application Date: 08/26/21

A Bid Item No.	B Description	C Contract Information				G Work Completed		I Materials Currently Stored (not in G) (\$)	J Work Completed and Materials Stored to Date (H + I) (\$)	K % of Value of Item (J / F) (%)	L Balance to Finish (F - J) (\$)
		D Item Quantity	E Units	F Unit Price (\$)	F Value of Bid Item (C X E) (\$)	G Estimated Quantity Incorporated in the Work	H Value of Work Completed to Date (E X G) (\$)				
Original Contract											
1	Mobilization / Demobilization	1	LS	36,800.00	36,800.00	80%	29,440.00		29,440.00	80%	7,360.00
2	Permits and Fees (Allowance)	5,000	DLR	1.00	5,000.00		-		-	0%	5,000.00
3	Videos - Surface Progress Videos	1	LS	8,890.00	8,890.00		-		-	0%	8,890.00
4	9 Mile Sewer Shallow Concrete Repairs	160	SF	130.00	20,800.00	65.00	8,450.00		8,450.00	41%	12,350.00
5	9 Mile Sewer Deep Concrete Repairs (3-inch depth)	710	SF	180.00	127,800.00	10.00	1,800.00		1,800.00	1%	126,000.00
6	9 Mile Sewer Fracture Repair	190	LF	58.00	11,020.00		-		-	0%	11,020.00
7	9 Mile Sewer Hole Repair	5	SF	1,500.00	7,500.00		-		-	0%	7,500.00
8	8-1/2 Mile Sewer Chemical Grouting	100	GAL	550.00	55,000.00		-		-	0%	55,000.00
9	8-1/2 Mile Sewer Deep Concrete Repair (3-inch depth)	40	SF	200.00	8,000.00		-		-	0%	8,000.00
10	Chapaton Basin Ceiling Shallow Concrete Repairs	90	SF	130.00	11,700.00	193.00	25,090.00		25,090.00	214%	(13,390.00)
11	Chapaton Basin Ceiling Deep Concrete Repairs (3-inch)	255	SF	175.00	44,625.00	86.00	15,050.00		15,050.00	34%	29,575.00
12	Chapaton Basin Ceiling Crack Repair	140	GAL	550.00	77,000.00	10.00	5,500.00		5,500.00	7%	71,500.00
13	Chapaton Basin Ceiling Column Haunch Repair	100	SF	205.00	20,500.00	50.00	10,250.00		10,250.00	50%	10,250.00
14	Chapaton Basin Ceiling Protective Coating	25,000	SF	4.80	120,000.00		-		-	0%	120,000.00
15	Chapaton Basin Floor/Walls Shallow Concrete Repair	25	SF	130.00	3,250.00	64.00	8,320.00		8,320.00	256%	(5,070.00)
16	Chapaton Basin Floor/Walls Deep Concrete Repair	25	SF	175.00	4,375.00	17.00	2,975.00		2,975.00	68%	1,400.00
17	Chapaton Basin Floor/Walls Crack Repair (Engineer Directed)	425	LF	60.00	25,500.00	185.00	11,100.00		11,100.00	44%	14,400.00
18	Cathodic Protection Anodes (Engineer Directed)	100	EA	75.00	7,500.00	28.00	2,100.00		2,100.00	28%	5,400.00
19	Chapaton Basin - Clean and Inspect Isolated Trench Area	19	EA	760.00	14,440.00	19.00	14,440.00		14,440.00	100%	-
20	Chapaton Basin Joint Repair	250	LF	135.00	33,750.00	141.00	19,035.00		19,035.00	56%	14,715.00
21	Engineer Directed Leak Sealing, Basin and 9 Mile Sewer	100	GAL	550.00	55,000.00		-		-	0%	55,000.00
22	Engineer Directed Deep Concrete Repairs	100	SF	205.00	20,500.00	42.00	8,610.00		8,610.00	42%	11,890.00
22.1	Engineer Directed Shallow Concrete Repairs	1	SF	155.00	-	21.00	3,255.00		3,255.00		
23	1-Year Warranty Inspection	1	LS	18,000.00	18,000.00		-		-	0%	18,000.00
Original Contract Totals					\$ 736,950.00		\$ 165,415.00	\$ -	\$ 165,415.00	22%	\$ 574,790.00

CONTRACTOR'S DECLARATION

(To be attached to the Contractor's periodic Request for Payment)

Project Name: Chapaton Basin and 9 Mile Emergency Bypass Sewer Structural Repairs _____

Contract No.: WWS-2021-001 _____

Contract Date: 3/9/21 _____

Contractor: PULLMAN SST, INC _____

Owner: 8-1/2 Mile Relief Drain Drainage District _____

Certification Period (From the Date of the Contract to the Date of this Declaration) _____

7/28/21 - 8/26/21 _____

I hereby certify that I have not, during the above noted certification period, performed any work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which I shall ask, demand, sue for, or claim compensation from the Owner or its agents, in addition to the regular items set forth in the above noted Contract (and executed Change Orders thereto) executed between the Contractor and the Owner, except as the Contractor hereby claim for additional compensation and/or extension of time as described in previously submitted claim letters to the Owner dated:

PULLMAN SST, INC
280 WEST JEFFERSON
TRENTON, MI 48183

Attached Summary, Dated _____

(Contractor to check this box if no claim letters are submitted to date)

CONTRACTOR

By: [Signature]
(Authorized Signature)

Name: JAMES TRAVNICEK
(Print Name)

Title: PROJECT MANAGER

Date: 8/23/21

END OF SECTION 00 61 13.19



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/11/21
4. SET ID		5. POST DATE
VP210811MUA		

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
PVS Nolwood Chemicals	V65311	01	724770	7/1/2021	\$ 7,850.15

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	8200017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Ship ID: 763622; Order 716417	\$ 7,850.15	GEN		
B											
C											
D											
E											
F											
G											

REV 09/2018

23. Total: \$ 7,850.15

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--

PVS Nolwood Chemicals, Inc.

10900 Harper Avenue, Detroit, MI 48213
Telephone: 313-925-0300 Fax: 313-571-2225

INVOICE
No. 724770

michelle.houvener@macombgov.org

Sold To: Macomb County Public Works
57769 21777 Dumham
Clinton Twp, MI 48036

Ship To: Chapaton Retention Basin
57770 23001 Nine Mile Rd.
St. Clair Shores, MI 48089

Ship ID: 763622	Load ID: 432148	Payment Terms: Net 30 Days
Sales Order: 716417		Freight Type: CPU
Customer PO: Verbal		Ship Via: CommCarBk
Invoice / Ship Date: 7/1/2021		Originating Warehouse: DIRW

SO Line	Quantity Ordered	Ord UOM	Qty to Follow	Product Description	Quantity Shipped	Quantity Invoiced	Inv UOM	Unit Price	Total
1	4,500.00	GA	0.00	Sodium Hypochlorite 16% (By Wgt) Olin Bulk	47,393.43	4,685.63000	GA	1.59000	7,450.15
				Reference 318625D					
				Saturday Delivery Charge2		1.00		300.00000	300.00
2	1.00	EA	1.00	Fuel Surcharge Bulk	1.00	1.00000	EA	100.00000	100.00

Please Pay This Amount
\$7,850.15

Please Remit To: PVS Nolwood Chemicals, Inc.
25210 Network Place
Chicago, IL 60673-1503

Our preferred method of payment is ACH/EFT.
Please email corporatecredit@pvschemicals.com for more information.
Please include a copy of this invoice with your request.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/23/21
4. SET ID		5. POST DATE
VP210824MUA		

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
PVS Nolwood Chemicals	V65311	01	729294	8/18/2021	\$ 5,954.61

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	8200017M	72650	CC0004	72650	WO18006	8 1/2 Mile Relief	Acct #57769; 767986	\$ 5,954.61	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 5,954.61

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	--



PVS Nolwood Chemicals, Inc.

10900 Harper Avenue, Detroit, MI 48213
Telephone: 313-925-0300 Fax: 313-571-2225

michelle.houvener@macombgov.org

Sold To: Macomb County Public Works
57769 21777 Dumham
Clinton Twp, MI 48036

Ship To: Chapaton Retention Basin
57770 23001 Nine Mile Rd.
St. Clair Shores, MI 48089

INVOICE
No. 729294

Ship ID: 767986	Load ID 081821rich4	Payment Terms:	Net 30 Days
Sales Order: 722148		Freight Type	Delivered
Customer PO Verbal Danica		Ship Via	pvsnw bulk
Invoice / Ship Date: 8/18/2021		Originating Warehouse:	HUBW

SO Line	Quantity Ordered	Ord UOM	Qty to Follow	Product Description	Quantity Shipped	Quantity Invoiced	Inv UOM	Unit Price	Total
1	4,000.00	GA	0.00	PVS N Sodium Hypochlorite 12.5% Bulk	40,960.00	4,056.27220	GA	1.46800	5,954.61

Please Pay This Amount

\$5,954.61

Please Remit To: PVS Nolwood Chemicals, Inc.
25210 Network Place
Chicago, IL 60673-1503

Our preferred method of payment is ACH/EFT.
Please email corporatecredit@pvschemicals.com for more information.
Please include a copy of this invoice with your request.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 8/11/21
4. SET ID VP210811MA		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
Teledyne Instruments, Inc.	V54617	01	S020482820	8/4/2021	\$ 3,154.00

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	8200017M	93002	CC0004	93002	WO18006	8 1/2 Mile Relief	PW000177; SNSR ASSY	\$ 3,084.00	GEN		
B	8200017M	72903	CC0004	72903	WO18006	8 1/2 Mile Relief	PW000177; Shipping	\$ 70.00	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ **3,154.00**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

25. Finance Officer: <u>BM/mh</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>9/7/2021</u>
28. Managers: _____	33. Board Date: <u>9/13/2021</u>
29. Coordinator: _____	34. Select For Pay Date: _____



Remit to: 12497 Collections Center Drive
Chicago, IL 60693
ABA# 121-000-358
Acct# 12331-07806

Sold To:
Macomb County Public Works
Commissioner
21777 Duham Road
CLINTON, MI 48036

Invoice

Bill To:
Macomb County Public Works
Commissioner
21777 Duham Road
CLINTON, MI 48036

Ship To:
Macomb County Public Works
23001 E 9 Mile Road
Saint Clair Shores, MI 48080

Sales Order	Customer PO	Customer Reference	Payment Terms	Discount	Customer No	Invoice No
00546980	PW000177		Net 30		0049154	S020482820

Carrier	Tracking Number	Teledyne Contact Information	Invoice Date
UPS Ground	1Z6343870394055642	Keech, April Michelle 800/228-4373	8/4/2021

Delivery Terms	Named Destination	Packing List	RMA Number
ORIG-S&HAd		00559373	

Line	Item Number	Description	Tax	U/M	Quantity	Unit Price	Amount
------	-------------	-------------	-----	-----	----------	------------	--------

602004546		A/V SNSR ASSY 2150, 15M KB Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 50 ft (15 m) cable.		ea	2	1,542.00	3,084.00
-----------	--	--	--	----	---	----------	----------

Serial Number(s): 602004546:
221G02925 to 221G02926

Shipping & Handling 70.00

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Seller's acceptance of this Order is expressly conditioned upon the Buyer's assent to Seller's Terms and Conditions of Sale as stated in Seller's Offer and found at the applicable Teledyne company internet website listed below. Seller is proceeding with the performance of Buyer's Order strictly on this basis. Teledyne ISCO is an indirect subsidiary of Teledyne Technologies Incorporated. Teledyne Ethics Line 1-877-666-6968.

Invoice Amount 3,154.00 USD

PURCHASE ORDER NO.
PW000177
<small>PURCHASE ORDER NUMBER MUST APPEAR ON ALL INVOICES AND SHIPPING DOCUMENTS.</small>

Vendor: **V54617**
 TELEDYNE INSTRUMENTS INC
 TELEDYNE ISCO
 PO BOX 82531
 LINCOLN, NE 68501

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

Requested by: Michelle Houvener Req. Dt: 07/20/2021

ITEMS							
ITEM #	ORGKEY	OBJECT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENDED PRICE
0001	8200017M	93002	602004546 60-2004-546 Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 50 ft (15 m) cable.	2.00		1,542.00	3,084.00
0002	8200017M	72903	Shipping/Handling	1.00		70.00	70.00
						TOTAL	\$3,154.00

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

Bruce Manning / mh
 AUTHORIZED AGENT
 Print Date: 07/20/2021

QUOTE



Knowledgeable • Professional • Attentive • Likeable

23905 Freeway Park • Farmington Hills, MI 48335
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

TO: Vince Astorino
Macomb County Public Works Commission
21777 Dunham Rd
Clinton Twp MI 48036

Tuesday, July 20, 2021

QUOTE #: QT-751/1
SALESPERSON: Kip Koszewski

vincent.astorino@macombgov.org

ISCO 2150 AV Sensor(s) - 50' Cable

LINE ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	LINE TOTAL
1.00	602004546 60-2004-546 Area Velocity Sensor for 2150 Flow Module with 10 ft. (3 m) Level Measurement Range and 50 ft (15 m) cable.	2	EA	1,542.00	\$3,084.00
2.00	FRT_4_ISCO Domestic Shipping & Handling Fees for Order Values between: \$2,500.00 - \$4,999.99	1		70.00	\$70.00
				SUBTOTAL:	3,154.00
				MI SALES TAX:	0.00
				TOTAL:	3,154.00

Ship Via:	Best Way FOB Factory	Shipping Terms:	Included as Line Item
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Payment Terms:	Net 30	Quote Valid Through:	08/31/2021
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Lead Time:	Shop Drawing Submittals: Weeks ARO Shipment: Weeks ARA
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Vince,

Please see attached ISCO 2150 AV Sensor(s) quote per your e-mail request on Monday. Let me know if you need any additional information once you review.

Thanks for the opportunity as always!

Kip

If favored with a Purchase Order, please issue it to:

Teledyne Isco
PO Box 82531
Lincoln, NE 68501

and email it to the HESCO Salesperson listed above, for order entry and processing.

Thank you!

END QUOTE



Mark A. Hackel
County Executive

ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/3/21
4. SET ID		5. POST DATE
VP210803MA		

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	51768485	8/3/2021	\$ 31,306.00

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	8200017C	80138	CC0033	80138	WO19004	8 1/2 Mile Relief	Pjt #200-16347-19001 thru 7/23/21	\$ 31,306.00	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 31,306.00

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

In-System Storage Devices - MEDC GRANT BALANCE \$468,586.34

25. Finance Officer: <u>BM/mh</u> 26. Chief Deputy: _____ 27. Engineers: _____ 28. Managers: _____ 29. Coordinator: _____	30. Drain: <u>8 1/2 Mile Relief</u> 31. Project Balance: <u>\$215,364.01</u> 32. Staff Date: <u>8/10/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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**MACOMB COUNTY PUBLIC WORKS OFFICE
ENGINEERING INVOICE COVER SHEET**

WORK ORDER NUMBER WO19004

PROJECT NUMBER WWS-2019-003 (Tetra Tech# 200-16347-19001)

PROJECT NAME In-System Storage Devices

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

CONSULTANT NAME Tetra Tech of Michigan

INVOICE DATE 8/3/2021 (INVOICE 51768485)

INVOICE START DATE 6/26/2021

INVOICE END DATE 7/23/2021

ORIGINAL CONTRACT AMOUNT	\$	481,098.00
CHANGE ORDER TOTAL	\$	949,435.00
Change Order No. 1	\$	949,435.00
Change Order No. 2		
Change Order No. 3		
Change Order No. 4		
TOTAL REVISED CONTRACT AMOUNT	\$	1,430,533.00
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED	\$	1,183,862.99
TOTAL AMOUNT DUE THIS INVOICE	\$	31,306.00
TOTAL BUDGET REMAINING	\$	215,364.01
(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: 51768485
INVOICE DATE: 08/03/2021
SERVICES THROUGH: 07/23/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

ESA dated 10July 2019
 Client Contact: Vince Astorino. Email vincent.astorino@macombgov.org

PROFESSIONAL SERVICES:

Project Number 200-16347-19001 **In-System Storage Devices**
Top Task 02A **Project Management / Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Melling, Vickie L.	CAD Technician 3	2.00	\$80.00	\$160.00
Rubel, Brian M.	Program Manager	4.00	\$225.00	\$900.00
TOTAL LABOR		6.00		\$1,060.00
		SUBTOTAL		\$1,060.00

Total Top Task# 02A \$1,060.00

Top Task 02B **Design**

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Boehmke, Brett	Engineer 3	10.00	\$115.00	\$1,150.00
D'Isabella, Linda A.	Architect	1.50	\$150.00	\$225.00
Geerlings, Eric P.	Project Engineer 1	45.00	\$155.00	\$6,975.00
Graf, Mitchell J.	Project Manager 2	0.50	\$200.00	\$100.00
Johnston, Jeffrey	Engineer 2	1.00	\$115.00	\$115.00
Kaliman, Roger G.	Sr Engineer 1	3.00	\$180.00	\$540.00
Lortz, Thomas J.	CAD Designer	17.00	\$140.00	\$2,380.00
Maurer, Timothy L.	Project Engineer 1	2.50	\$125.00	\$312.50
Paison, William A.	Sr Engineer 1	1.00	\$215.00	\$215.00
Rojas, Jeremias D.	CAD Designer	2.00	\$90.00	\$180.00
Sissoko, Moussa D.	Project Engineer 2	4.50	\$200.00	\$900.00
TOTAL LABOR		88.00		\$13,092.50
		SUBTOTAL		\$13,092.50

Total Top Task# 02B \$13,092.50

Top Task 02BS_FTCH **Design - Subcontractor FTCH**

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$8,181.00
TOTAL SUBCONTRACTOR CHARGES		\$8,181.00
	SUBTOTAL	\$8,181.00

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

INVOICE NUMBER: 51768485
INVOICE DATE: 08/03/2021
SERVICES THROUGH: 07/23/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Total Top Task# 02BS_FTCH \$8,181.00

Top Task	02B_TCI	Design	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
EMPLOYEE		TITLE			
Fortier, Véronique		Sr Modeler	1.00	\$210.00	\$210.00
Robitaille, Luc		Engineer 3	19.50	\$250.00	\$4,875.00
Tao, Qing D.		Sr Project Manager	0.50	\$250.00	\$125.00
Tremblay, Simon		Sr Engineer I&C	17.50	\$215.00	\$3,762.50
TOTAL LABOR			38.50		\$8,972.50
			SUBTOTAL		\$8,972.50

Total Top Task# 02B_TCI \$8,972.50

Total Project# 200-16347-19001 \$31,306.00

TOTAL AMOUNT DUE THIS INVOICE: \$31,306.00

Gross Contract Summary	
Contract Amount	\$1,430,533.00
Previously Billed	\$1,183,862.99
Current Billing	\$31,306.00
Total Billed to Date	\$1,215,168.99
Contract Balance Remaining	\$215,364.01

REMIT PAYMENT TO:

TETRA TECH, INC.
PO BOX 911967
DENVER, CO 80291-1967

ACH

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

P.O. 1166522:5

Attention: Brian Rubel PE
 Tetra Tech Mps
 710 Avis Drive Suite 100
 Ann Arbor, MI 48108
 United States

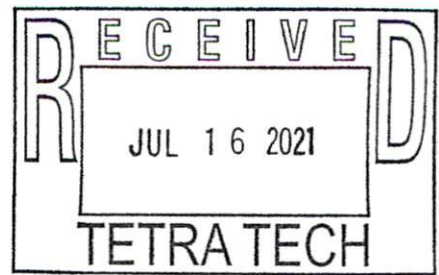
Invoice : 402503
 Invoice Date : 7/14/2021
 Project : 200732
 Project Name : Macomb Co PW/In-system Storage
 Design Phase
 Bill Term : 1

For Professional Services Rendered Through 7/9/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1C - 8.5 Mile Utility Survey	96,524.00	37,843.70	66,861.30	58,680.30	8,181.00
Rate Labor		8,181.00			
					8,181.00
					8,181.00

103976
 200-16347-19001.02BS - FICH
 sub-EXT
 200 NEW AA

OK to pay when paid
 B. Rubel
 7/16/21



DND



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type) Michelle Houvener	2. PHONE # 95966	3. DATE 8/3/21
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4. SET ID VP210803MA	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
Tetra Tech, Inc.	V16060	02	51768482	8/3/2021	\$ 67,308.18

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	8200017M	80138	CC0034	80138	WO21018	8 1/2 Mile Relief	Pjt #200-16347-21002 thru 7/23/21	\$ 67,308.18	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ **67,308.18**

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</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>\$1,388,067.32</u></p> <p>32. Staff Date: <u>8/10/2021</u></p> <p>33. Board Date: <u>9/13/2021</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

W021018 (CC0034)

PROJECT NUMBER

WWS-2021-xxx (Tetra Tech Proj# 200-16347-21002)

PROJECT NAME

MIDDD 9 MILE PUMP STATION DESIGN

DRAINAGE DISTRICT

8 1/2 Mile Drainage District

CONSULTANT NAME

Tetra Tech of Michigan

INVOICE DATE

8/3/2021 (INVOICE 51768482)

INVOICE START DATE

6/26/2021

INVOICE END DATE

7/23/2021

ORIGINAL CONTRACT AMOUNT

\$ 1,476,428.00

CHANGE ORDER TOTAL

\$ -

Change Order No. 1

Change Order No. 2

Change Order No. 3

Change Order No. 4

TOTAL REVISED CONTRACT AMOUNT

\$ 1,476,428.00

(includes all approved change orders only)

TOTAL AMOUNT PREVIOUSLY INVOICED

\$ 21,052.50

TOTAL AMOUNT DUE THIS INVOICE

\$ 67,308.18

TOTAL BUDGET REMAINING

\$ 1,388,067.32

(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: 51768482
INVOICE DATE: 08/03/2021
SERVICES THROUGH: 07/23/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

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

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Voss, Justin D.	Project Engineer 1	1.00	\$195.00	\$195.00
TOTAL LABOR		1.00		\$195.00
		SUBTOTAL		\$195.00

Total Top Task# 001 \$195.00

Top Task 001F Infrastructure Survey FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$30,455.93
TOTAL SUBCONTRACTOR CHARGES		\$30,455.93
		SUBTOTAL
		\$30,455.93

Total Top Task# 001F \$30,455.93

Top Task 002F Topographic Survey FTCH

SUBCONTRACTOR	TYPE	CURRENT AMOUNT
FISHBECK THOMPSON CARR & HUBER INC	Subcontractor-External	\$5,034.75
TOTAL SUBCONTRACTOR CHARGES		\$5,034.75
		SUBTOTAL
		\$5,034.75

Total Top Task# 002F \$5,034.75

Top Task 003 Basis of Design

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Geerlings, Eric P.	Project Engineer 1	59.50	\$140.00	\$8,330.00
Hernandez Davila, Albert D.	Engineer 1	3.00	\$150.00	\$450.00
Kaliman, Roger G.	Sr Engineer 1	84.00	\$195.00	\$16,380.00
Rubel, Brian M.	Program Manager	13.00	\$250.00	\$3,250.00
TOTAL LABOR		159.50		\$28,410.00
		SUBTOTAL		\$28,410.00

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

INVOICE NUMBER: 51768482
INVOICE DATE: 08/03/2021
SERVICES THROUGH: 07/23/2021
FEDERAL TAX ID#: 95-4148514
TERMS: NET 30

Total Top Task# 003 **\$28,410.00**

Top Task 004 Design 30%

EMPLOYEE	TITLE	CURRENT LABOR HOURS	LABOR RATE	CURRENT LABOR AMOUNT
Nolta, Michael C.	Project Administrator	0.50	\$125.00	\$62.50
Paison, William A.	Sr Engineer 1	14.00	\$225.00	\$3,150.00
TOTAL LABOR		14.50		\$3,212.50
		SUBTOTAL		\$3,212.50

Total Top Task# 004 **\$3,212.50**

Total Project# 200-16347-21002 **\$67,308.18**

TOTAL AMOUNT DUE THIS INVOICE: **\$67,308.18**

Gross Contract Summary	
Contract Amount	\$1,476,428.00
Previously Billed	\$21,052.50
Current Billing	\$67,308.18
Total Billed to Date	\$88,360.68
Contract Balance Remaining	\$1,388,067.32

REMIT PAYMENT TO:
TETRA TECH, INC.
PO BOX 911967
DENVER, CO 80291-1967

ACH

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

P.O. 1181485! X

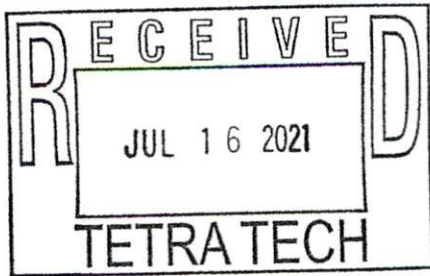
Attention: Brian Rubel PE
Tetra Tech Mps
 710 Avis Drive Suite 100
 Ann Arbor, MI 48108
 United States

Invoice: 402497
Invoice Date: 7/14/2021
Project: 210764
Project Name: Macomb Co PW/9 Mile Pump Station
Bill Term: 1

For Professional Services Rendered Through 7/9/2021

	Fee	Available	Billings		
			To Date	Previous	Current
1 - Task 1 - Infrastructure Survey - 3D Scan	44,000.00	44,000.00	29,005.65	0.00	29,005.65 (5)
Rate Labor	25,902.50				
Unit Rate Expense	3,103.15				
Total Expense	3,103.15				
2 - Task 2 - Topographical & Boundary Survey	53,000.00	53,000.00	4,795.00	0.00	4,795.00 (6)
Rate Labor	4,795.00				
3 - Task 3 - Basis of Design	29,500.00	29,500.00	0.00	0.00	0.00 (2)
4 - Task 4 - 30% Design	0.00	0.00	0.00	0.00	0.00
5 - Task 5 - CMaR Bidding	0.00	0.00	0.00	0.00	0.00
6 - Task 6 - Final Design	0.00	0.00	0.00	0.00	0.00
			Current Billings		<u>33,800.65</u>
			Amount Due This Bill		<u>33,800.65</u>

OK to pay when paid
 B. Rubel
 7/15/21



103976
 200-16347-21002
 (5).001F - 29,005.65
 (6).002F - 4,795.00
 SUB-EXT
 200 FEW AA

DWUP

1 - Task 1 - Infrastructure Survey - 3D Scan

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Production Support	1.00	78.0000	78.00
Senior Engineer	5.00	184.0000	920.00
	6.50	202.0000	1,313.00
Total Senior Engineer	11.50		2,233.00
Senior Survey Specialist	21.00	143.0000	3,003.00
Senior Surveyor	70.00	143.0000	10,010.00
Senior Technician	7.50	116.0000	870.00
Staff Engineer	1.00	98.0000	98.00
Staff Survey Specialist	11.00	86.0000	946.00
Staff Surveyor	8.00	93.0000	744.00
	43.00	98.0000	4,214.00
Total Staff Surveyor	51.00		4,958.00
Staff Technician	21.50	63.0000	1,354.50
Technician	24.00	98.0000	2,352.00
Total Rate Labor			25,902.50

Unit Rate Expenses

<i>Account / Unit</i>	<i>Quantity</i>	<i>Rate</i>	<i>Amount</i>
Company Vehicle Use			
Mileage - Company Vehicle	1,061.00	0.9500	1,007.95
Equipment Usage			
Leica P20 Scanner	2.00	1,000.0000	2,000.00
Mileage			
Mileage - Employee Vehicle	170.00	0.5600	95.20
Total Unit Rate Expenses			3,103.15

Total Bill Task: 1 - Task 1 - Infrastructure Survey - 3D Scan

29,005.65

2 - Task 2 - Topographical & Boundary Survey

Rate Labor

<i>Class</i>	<i>Hours</i>	<i>Rate</i>	<i>Amount</i>
Senior Engineer	3.00	202.0000	606.00
Senior Surveyor	11.00	145.0000	1,595.00
Staff Survey Specialist	1.00	86.0000	86.00
Staff Technician	8.00	63.0000	504.00
	3.00	80.0000	240.00
Total Staff Technician	11.00		744.00
Technician	18.00	98.0000	1,764.00
Total Rate Labor			4,795.00

Total Bill Task: 2 - Task 2 - Topographical & Boundary Survey

4,795.00

Total Project: 210764 - Macomb Co PW/9 Mile Pump Station

33,800.65



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/10/21
4. SET ID		5. POST DATE
VP210811MA		

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
Trendset Communications Group	V70191	01	2040	7/29/2021	\$ 1,490.13

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	8200166M	80126	CC0014	80126	WO18077	MIDDD	Fiber and Service Call	\$ 640.76	GEN		
B	8200166M	80126	CC0014	80126	WO20016	MIDDD (OMID)	Fiber and Service Call	\$ 104.31	GEN		0
C	8200017M	80126	CC0014	80126	WO18077	8 1/2 Mile Relief	Fiber and Service Call	\$ 558.80	GEN		0
D	8200072M	80126	CC0014	80126	WO18077	Martin	Fiber and Service Call	\$ 111.76	GEN		0
E	8703018M	80126	CC0014	80126	WO18077	SEMCWWDS	Fiber and Service Call	\$ 74.50	GEN		0
F											
G											

23. Total: \$ 1,490.13

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

<p>25. Finance Officer: <u>BM/mh</u></p> <p>26. Chief Deputy: _____</p> <p>27. Engineers: _____</p> <p>28. Managers: _____</p> <p>29. Coordinator: _____</p>	<p>30. Drain: <u>Multiple</u></p> <p>31. Project Balance: <u>N/A</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
--	---



23885 DENTON ST.
CLINTON TWP, MI
48036

PHONE # 586-765-0770

FAX # 586-765-0990

V70191 (01)
(4018077)
INVOICE
ALL

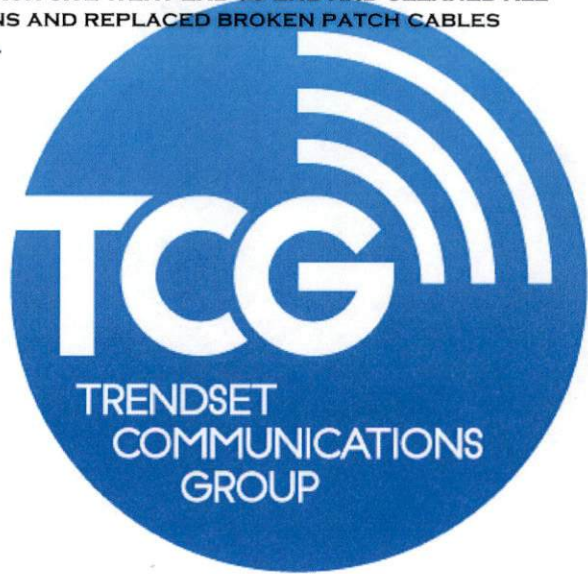
DATE 7/29/2021

INVOICE # 2040

CUSTOMER NAME:
MACOMB COUNTY
ATTN: PUBLIC WORKS
21777 DUNHAMS
CLINTON TWP, MI 48036

P.O. No.	REP	TERMS	PROJECT
		NET 30	

QUANTITY	DESCRIPTION	RATE	AMOUNT
2	PATCH CABLE 3M LC-LC FIBER	22.99	45.98
1	PATCH CABLE 3M SC-LC FIBER	19.15	19.15
15	SERVICE CALL, FIBER DOWN. STARTED AT ONE END RAN THE OTDR TO SEE WHAT HAPPEN TO THE FIBER. WAS NOT ABLE TO FIR THE LIGHT STRAIGHT THROUGH. ISOLATED THE ISSUE. FIBER FROM THE CONTROL ROOM TO SERVER RACK THAT HAD A GOOD 90 IN IT AND WAS NOT PASSING LIGHT. STARTED CLEANING FIBERS ENDS AND REPLACED BROKEN FIBER PATCH CABLES. WAS ABLE TO LOCATE A GOOD PAIR AND SWITCHED OVER. POSITIVE LINK LIGHT AFTER THIS. THIS WAS A TEMPORARY FIX AND WE LET BRENT KNOW THAT. THAT WHOLE STRAND NEEDS TO BE REPLACED. DROVE TO EACH SITE WENT END TO END AND CLEANED ALL CONNECTIONS AND REPLACED BROKEN PATCH CABLES	75.00	1,125.00
2	TRUCK ROLL	150.00	300.00



IT'S BEEN A PLEASURE WORKING WITH YOU!	TOTAL	\$1,490.13
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ONESolution
 ACCOUNTS PAYABLE CHECK REQUEST
PUBLIC WORKS DIVISION

PREPARED BY	PHONE NUMBER	DATE
Houvenner	95966	8/3/2021
SET ID	POST DATE	
ONLINE Bill Payment 8/15/21		

PARENT RECORD INFORMATION					
VENDOR NAME	VENDOR NUMBER	ADDR CODE	INVOICE NUMBER	INVOICE DATE	INVOICE AMOUNT
Verizon	V05166	01	9884771377	7/23/2021	\$ 2,711.19

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							
8200166M	92104	CC0018	92104		MIDDD (Eq Fund)	542173562-00002, 6/24-7/23	\$ 1,025.80	GEN		
8200166M	92104	CC0014	92104	WO18300	MIDDD	542173562-00002, 6/24-7/23	\$ 661.64	GEN		
8200166M	92104	CC0014	92104	WO20016	MIDDD (OMIDD)	542173562-00002, 6/24-7/23	\$ 250.30	GEN		
8200017M	92104	CC0014	92104	WO18006	8 1/2 Mile	542173562-00002, 6/24-7/23	\$ 558.81	GEN		
8018110M	92104	CC0014	92104		Hildebrandt	542173562-00002, 6/24-7/23	\$ 35.13	GEN		
8703018M	92104	CC0014	92104	WO18218	SEMCWWDS	542173562-00002, 6/24-7/23	\$ 36.01	GEN		
8018831M	92104	CC0014	92104		Murdock Ballard	542173562-00002, 6/24-7/23	\$ 36.43	GEN		
8018734M	92104	CC0014	92104		Bridgewood	542173562-00002, 6/24-7/23	\$ 36.01	GEN		
8018719M	92104	CC0014	92104		Georgian Manor	542173562-00002, 6/24-7/23	\$ 35.01	GEN		
8200167M	92104	CC0014	92104		Schmidt	542173562-00002, 6/24-7/23	\$ 36.05	GEN		

TOTAL: \$ 2,711.19

COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 OMIDDD to be invoiced \$250.30 for reimbursement to SCADA. Equipment Fund to be invoiced for \$1025.80 for reimbursement to MIDDD for phone/hot spot expenses.

Finance Manager: _____	BM/mh	Drain: _____	Multiple
Chief Engineer: _____		Project Balance: _____	N/A
Engineer(s): _____		Staff Date: _____	8.10.21
Manager(s): _____		Board Date: _____	9.13.21
Coordinator: _____	171	Select for Pay Date: _____	

Print Close



Print Date : 8/3/2021

Thank you for your payment!

Transaction Id 1513137665

Billing Account	Payment amount	Payment method	Payment date
542173562-00002	\$2,711.19	FSB	Sun Aug 15 2021 00:00:00 GMT-0400 (Eastern Daylight Time)



PO BOX 489
NEWARK, NJ 07101-0489

Manage Your Account	Account Number	Date Due
b2b.verizonwireless.com	542173562-00002	08/15/21
Change your address at http://sso.verizonenterprise.com	Invoice Number	9884771377

KEYLINE



MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM RD
CLINTON TOWNSHIP, MI 48036-1005

Quick Bill Summary

Jun 24 – Jul 23

Previous Balance <i>(see back for details)</i>	\$748.39
Payment – Thank You	-\$748.39
Balance Forward	\$0.00
Monthly Charges	\$2,599.10
Usage and Purchase Charges	
Voice	\$0.00
Messaging	\$0.86
Data	\$0.00
Roaming	\$11.04
International	\$3.86
Equipment Charges	\$99.99
Surcharges and Other Charges & Credits	-\$6.61
Taxes, Governmental Surcharges & Fees	\$2.95
Total Current Charges	\$2,711.19

Total Charges Due by August 15, 2021 \$2,711.19

Pay from phone	Pay on the Web	Questions:
#PMT (#768)	At b2b.verizonwireless.com	1.800.922.0204 or *611 from your phone



MACOMB COUNTY PUBLIC WORKS
21777 DUNHAM RD
CLINTON TOWNSHIP, MI 48036-1005

Bill Date July 23, 2021
Account Number 542173562-00002
Invoice Number 9884771377

Total Amount Due by August 15, 2021

Make check payable to Verizon Wireless.
Please return this remit slip with payment. **\$2,711.19**

\$, .

P.O. BOX 15062
ALBANY, NY 12212-5062



988477137701054217356200078200000271119000002711197

Get Minutes Used	Get Data Used	Get Balance
#MIN + SEND	#DATA + SEND	#BAL + SEND

Payments

Payments, continued

Previous Balance	\$748.39
Payment – Thank You	
Payment Received 07/13/21	-748.39
Total Payments	-\$748.39
Balance Forward	\$.00

Written notations included with or on your payment will not be reviewed or honored. Please send correspondence to:
Verizon Wireless Attn: Correspondence Team PO Box 15069 Albany, NY 12212

Automatic Payment Enrollment for Account: 542173562-00002 MACOMB COUNTY PUBLIC WORKS

By signing below, you authorize Verizon Wireless to electronically debit your bank account each month for the total balance due on your account. The check you send will be used to setup Automatic Payment. You will be notified each month of the date and amount of the debit 10 days in advance of the payment. You agree to receive all Auto Pay related communications electronically. I understand and accept these terms. This agreement does not alter the terms of your existing Customer Agreement. I agree that Verizon Wireless is not liable for erroneous bill statements or incorrect debits to my account. To withdraw your authorization you must call Verizon Wireless. Check with your bank for any charges.

1. Check this box.
2. Sign name in box below, as shown on the bill and date.
3. Return this slip with your payment. Do not send a voided check.





Invoice Number 9884771377 Account Number 542173562-00002 Date Due 08/15/21 Page 3 of 103

Overview of Lines

Charges by Cost Center	Page Number	Monthly Charges	Usage and Purchase Charges	Equipment Charges	Surcharges and Other Credits	Taxes, Governmental and Fees	Third-Party Charges (includes Tax)	Total Charges	Voice Plan Usage	Messaging Usage	Data Usage	Voice Roaming	Messaging Roaming	Data Roaming
No Cost Center														
248-247-9004 Steven Wagner	6	-\$18.00	--	--	\$0.00	\$0.00	--	-\$18.00	--	--	--	--	--	--
248-275-8765 Steve Rozycki	7	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	3.421GB	--	--	--
248-275-9241 Tom Stockel	8	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	1.069GB	--	--	--
248-321-6047 Steven Wagner 013656	9	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	--	--	--	--
248-561-4568 Candice Miller	10	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	1.001GB	--	--	--
248-561-5357 Tamara Keskeny	11	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.033GB	--	--	--
248-561-5877 Stan Slanec	12	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.748GB	--	--	--
248-561-6490 Omid Cs#9	13	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	1.591GB	--	--	--
248-561-7025 Shane Slanec	14	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.058GB	--	--	--
248-709-0140 John Griffor	15	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	2.494GB	--	--	--
248-709-1165 Jenay Chartier	16	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	2.700GB	--	--	--
248-709-2480 Tony Lemire	17	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.494GB	--	--	--
248-729-6358 Paul Fisette	18	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	1.140GB	--	--	--
248-729-6445 Greg Martinez	19	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	2.756GB	--	--	--
248-729-6534 Bob Nazar	20	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.191GB	--	--	--
248-925-6145 Midd_Sts3	21	\$34.99	--	--	\$0.02	\$0.00	--	\$35.01	--	--	.633GB	--	--	--
513-439-5696 Jeff Bednar - Tablet	22	\$35.99	\$0.02	--	\$0.02	\$0.00	--	\$36.03	--	1	.110GB	--	--	--
513-498-6615 Cis3 Midd	23	\$35.99	\$0.02	--	\$0.02	\$0.00	--	\$36.03	--	1	1.637GB	--	--	--
513-502-5380 Jessica Hicks - Tablet	24	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.072GB	--	--	--
513-502-9208 Lara Sucharski - Table	25	\$35.99	\$0.08	--	\$0.02	\$0.00	--	\$36.09	--	4	.718GB	--	--	--
513-814-3658 Brent Weiser	26	\$79.72	\$13.15	--	\$3.06	\$0.25	--	\$96.18	43	1	.162GB	16	--	1,053KB
586-201-3092 Mark Tanghe	28	\$45.99	--	--	-\$9.45	\$0.25	--	\$36.79	5	4	.929GB	--	--	--
586-206-1133 Daniel Acciavatti	30	\$50.39	--	--	\$0.04	\$0.00	--	\$50.43	--	--	.034GB	--	--	--
586-342-0619 Ken Goike	31	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	--	--	--	--
586-434-9861 Vince Astorino	32	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.024GB	--	--	--
586-524-0070 Steve Wagner	33	\$45.99	--	--	\$0.55	\$0.25	--	\$46.79	40	77	2.756GB	--	--	--
586-533-9025 Aaron Porvaznick	35	\$64.39	--	--	-\$9.09	\$0.50	--	\$55.80	--	--	--	--	--	--
586-557-1148 Bob Buggamelli	36	\$45.99	--	--	\$0.55	\$0.25	--	\$46.79	25	--	.018GB	--	--	--
586-557-1151 Tanner Lumma	37	\$45.99	--	--	\$0.55	\$0.25	--	\$46.79	2	10	.126GB	--	--	--
586-596-3651 Danielle Devlin	38	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	.069GB	--	--	--
586-601-4565 Keith Lumma	39	\$35.99	--	--	\$0.02	\$0.00	--	\$36.01	--	--	4.592GB	--	--	--
586-615-2436 Lara Sucharski	40	\$45.99	--	--	\$0.55	\$0.25	--	\$46.79	14	80	2.00GB	--	--	--



Overview of Lines, continued

Invoice Number Account Number Date Due Page
 9884771377 542173562-00002 08/15/21 4 of 103

Charges by Cost Center	Page Number	Monthly Charges	Usage and Purchase Charges	Equipment Charges	Surcharges and Other Credits	Taxes, Governmental and Fees	Third-Party Charges (includes Tax)	Total Charges	Voice Plan Usage	Messaging Usage	Data Usage	Voice Roaming	Messaging Roaming	Data Roaming
586-634-1359 Kris Benda	42	\$45.99	---	---	\$5.55	\$0.25	---	\$46.79	35	3	4.891GB	---	---	---
586-634-7856 Brent Welser	44	-\$33.73	\$1.75	---	-\$2.3	\$0.00	---	-\$32.21	1	1	.042GB	---	---	874KB
586-662-7934 Trevor Semrow	46	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	---	---	---	---
586-663-2233 Greg Santo	47	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.329GB	---	---	---
586-663-2253 Stephen Downing	48	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	1.342GB	---	---	---
586-665-9233 Kris Benda	49	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	2.069GB	---	---	---
586-696-0235 Steve Rozycki	50	\$45.99	---	---	\$5.55	\$0.25	---	\$46.79	383	600	.362GB	---	---	---
586-746-9820 Trevor Semrow	54	\$45.99	---	---	\$5.55	\$0.25	---	\$46.79	---	1	.169GB	---	---	---
586-907-0747 Lara Sucharski	55	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	1.320GB	---	---	---
Subtotal		\$1,517.41	\$15.02	\$0.00	-\$11.26	\$2.75	\$0.00	\$1,523.92						
OMIDD - SCADA														
513-846-6326 Perry St Ps Omidd	56	\$34.99	\$0.08	---	\$0.02	\$0.00	---	\$35.09	---	4	.647GB	---	---	---
Subtotal		\$34.99	\$0.08	\$0.00	\$0.02	\$0.00	\$0.00	\$35.09						
PUBLIC WORKS														
586-212-9502 Ma-S-2 St-S-3	57	\$35.99	\$0.02	---	\$0.02	\$0.00	---	\$36.03	---	1	1.014GB	---	---	---
586-448-5536 Jessica Hicks	58	-\$18.00	---	---	\$0.00	\$0.00	---	-\$18.00	---	---	.032GB	---	---	---
586-746-9118 Jeff Bednar	59	\$45.99	---	---	\$4.48	\$0.02	---	\$46.49	---	---	165.201MB	---	---	---
586-789-1475 L. Bon Huer Pump Stati	60	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.619GB	---	---	---
586-854-2699 Anthony Lewis	61	\$35.99	---	---	\$4.48	\$0.06	---	\$36.53	22	9	272.762MB	---	---	---
Subtotal		\$135.96	\$0.02	\$0.00	\$1.00	\$0.08	\$0.00	\$137.06						
PUBLIC WORKS - WASTE WATER														
586-291-6658 Brent Welser	63	-\$18.00	---	---	\$0.00	\$0.00	---	-\$18.00	---	---	---	---	---	---
Subtotal		-\$18.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	-\$18.00						
PUBLIC WORKS ADMIN														
586-201-5732 Norb Franz	64	\$45.99	---	---	\$5.55	\$0.02	---	\$46.56	31	41	.591GB	---	---	---
586-201-9654 Richard Ives	67	-\$18.00	---	---	\$0.00	\$0.00	---	-\$18.00	---	---	---	---	---	---
586-230-9735 Candice Miller	68	\$45.99	---	---	\$5.55	\$0.02	---	\$46.56	237	6	1.786GB	---	---	---
586-230-9815 Emily Engelmann	71	\$45.99	---	---	\$5.55	\$0.02	---	\$46.56	40	---	.184GB	---	---	---
586-230-9870 Karen Czernel	73	\$45.99	---	---	\$5.55	\$0.02	---	\$46.56	---	33	1.844GB	---	---	---
586-246-7863 Ken Goike	75	\$35.99	---	---	\$4.48	\$0.02	---	\$36.49	---	---	105.785MB	---	---	---
586-291-9898 P. Slinkhole Wastewater	76	\$34.99	---	---	\$0.02	\$0.00	---	\$35.01	---	---	.273GB	---	---	---
586-615-4196 Shane Slanec	77	\$45.99	---	---	\$5.55	\$0.02	---	\$46.56	182	203	34.223GB	---	---	---



Overview of Lines, continued

Charges by Cost Center	Page Number	Monthly Charges	Usage and Purchase Charges	Equipment Charges	Surcharges and Other Charges and Credits	Taxes, Governmental Surcharges and Fees	Third-Party Charges (includes Tax)	Total Charges	Voice Plan Usage	Messaging Usage	Data Usage	Voice Roaming	Messaging Roaming	Data Roaming
586-985-9099 Steve Rozycki Mifi	82	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	---	---	---	---
586-985-9101 Greg Santo Mifi	83	-\$18.00	---	---	\$0.00	\$0.00	---	-\$18.00	---	---	.001GB	---	---	---
Subtotal		\$300.92	\$0.00	\$0.00	\$3.27	\$0.12	\$0.00	\$304.31						
PUBLIC WORKS SCADA														
513-507-8290 Cs#7 Omid	84	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	11.169GB	---	---	---
513-673-7415 Middl St-S-2	85	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.565GB	---	---	---
586-201-1979 Ch-S-2 Mid/Omid	86	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.565GB	---	---	---
586-227-7573 Cs#3 Mid/Omid	87	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.472GB	---	---	---
586-227-9300 North East Ps Omid	88	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.474GB	---	---	---
586-246-3220 Malvern Metering Stati	89	\$35.99	\$0.02	---	\$0.02	\$0.00	---	\$36.03	---	1	4.006GB	---	---	---
586-295-1018 Ut-S-1 Mid/Omid	90	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.351GB	---	---	---
586-342-0860 Middl Ct-S-7	91	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.405GB	---	---	---
586-419-1804 Schmidt Ps	92	\$35.99	\$0.04	---	\$0.02	\$0.00	---	\$36.05	---	2	1.674GB	---	---	---
586-612-0380 Murdick Ballard Ps	93	\$35.99	\$0.42	---	\$0.02	\$0.00	---	\$36.43	---	21	1.811GB	---	---	---
586-612-0436 Bridgewood Ps	94	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	1.819GB	---	---	---
586-719-0230 Sy-S-1 Mid/Omid	95	\$35.99	\$0.02	---	\$0.02	\$0.00	---	\$36.03	---	1	.511GB	---	---	---
586-747-1015 Cs#8 Omid	96	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	4.947GB	---	---	---
586-915-2437 Middl Hildebrandt	97	\$34.99	\$0.12	---	\$0.02	\$0.00	---	\$35.13	---	6	7.821GB	---	---	---
586-921-3182 Cs#5 Omid	98	\$35.99	---	---	\$0.02	\$0.00	---	\$36.01	---	---	.522GB	---	---	---
Subtotal		\$538.85	\$0.62	\$0.00	\$0.30	\$0.00	\$0.00	\$539.77						
PUBLIC WORKS SINKHOLE														
586-419-2984 Ngi Sinkhole Mifi	99	\$35.99	\$0.02	---	\$0.02	\$0.00	---	\$36.03	---	1	22.013GB	---	---	---
Subtotal		\$35.99	\$0.02	\$0.00	\$0.02	\$0.00	\$0.00	\$36.03						
PUBLIC WORKS UNIT 2														
586-342-1380 Chapaton Mifi - Shared	100	\$35.99	---	\$99.99	\$0.02	\$0.00	---	\$136.00	---	---	.089GB	---	---	---
586-449-5029 Evans Bantios	101	-\$18.00	---	---	\$0.00	\$0.00	---	-\$18.00	---	---	.001GB	---	---	---
Subtotal		\$17.99	\$0.00	\$99.99	\$0.02	\$0.00	\$0.00	\$118.00						
SCADA														
513-846-6218 Georgian Manor Ps	102	\$34.99	---	---	\$0.02	\$0.00	---	\$35.01	---	---	2.769GB	---	---	---
Subtotal		\$34.99	\$0.00	\$0.00	\$0.02	\$0.00	\$0.00	\$35.01						
Total Current Charges		\$2,599.10	\$15.76	\$99.99	-\$6.61	\$2.95	\$0.00	\$2,711.19						

		WWS	Eq Fund	8 1/2 Mile
Wagner	248-247-9004	(\$18.00)		
Rozycki	248-278-8765	\$36.01		
Stockel	248-275-9241		\$36.01	
Wagner	248-321-6047	\$36.01		
Miller	248-561-4568		\$36.01	
Keskeny	248-561-5357		\$36.01	
Stan	248-561-5877		\$36.01	
Shane	248-561-7025		\$36.01	
Griffor	248-709-0140		\$36.01	
Chartier	248-709-1165		\$36.01	
LeMire	248-709-2480		\$36.01	
Fisette	248-729-6358		\$36.01	
Martinez	248-729-6445		\$36.01	
Nazar	248-729-6534		\$36.01	
Bednar	513-439-5596		\$36.03	
Hicks	513-502-5380		\$36.01	
Sucharski	513-502-9208		\$36.09	
Welser	513-814-3658	\$96.18		
Tanghe	586-201-3092			\$36.79
Acciavatti	586-206-1133		\$50.43	
Goilke	586-342-0619		\$36.01	
Astorino	586-434-9861	\$36.01		
Porvaznick	586-533-9025			\$55.80
Wagner	586-524-0070	\$46.79		
Bugamelli	586-557-1148			\$46.79
Tanner Lumma	586-557-1151			\$46.79
Devlin	586-596-3651		\$36.01	
Lumma Keith	586-601-4565	\$36.01		
Sucharski	586-615-2436		\$46.79	
Benda	586-634-1359			\$46.79
Welser	586-634-7856	(\$32.21)		
Semrow	586-662-7934			\$36.01
Santo	586-663-2233	\$36.01		
Downing	586-663-2253	\$36.01		
Benda	586-665-9233			\$36.01
Rozycki	586-696-0235	\$46.79		
Semrow	586-746-9820			\$46.79
Sucharski	586-907-0747		\$36.01	
Hicks	586-448-5536		(\$18.00)	
Bednar	586-746-9118		\$46.49	
Lewis	586-854-2699		\$36.53	
Welser	586-291-6658	(\$18.00)		
Franz	586-201-5732		\$46.56	
Ives	586-201-9654		(\$18.00)	
Miller	586-230-9735		\$46.56	
Engelmann	586-230-9815		\$46.56	
Czernel	586-230-9870		\$46.56	
Goike	586-249-7863		\$36.49	
Slanec, Shane	586-615-4196		\$46.56	
Rozycki	586-985-9099	\$36.01		
Santo	586-985-9101	(\$18.00)		
Chapaton MIFI	586-342-1380			\$136.00
Bantios	586-449-5029	(\$18.00)		
Totals		\$337.62	\$1,025.80	\$487.77

SCADA EXPENSES																							O & M			
% 8.5 Mile Relief		100% Murdoch Ballard	100% Hildebrandt	100% Georgian Manor	100% Bridgewood	100% SCHMIDT	MIDDD 86% - OMIDDD 14%							OMID 100%						100% MIDDD			HOT SPOTS/CELL PHONE			Total
46-3220 n Meter	586-291-9898 iPad	586-612-0380	513-673-2437	513-846-6218	586-612-0436	586-416-1804	586-201-1979 CH-S-2	513-673-7415 ST-S-2	248-925-6145 ST-S-3	586-212-9502 MA-S-2/ST-3	586-227-7573 CS#3	586-719-0230 SY-S-1	586-295-1018 UT-S-1	513-846-6326 Perry Street	586-921-3182 CS#5	513-507-8290 CS #7	586-747-1015 CS #8	248-561-6490 CS #9	586-227-9300 NEPS	513-498-6615 CT-S-3	586-342-0860 CT-S-7	586-419-2984 NGI Mifi	MIDDD	8 1/2 Mile	EQ FUND	
\$36.03	\$35.01	\$36.43	\$35.13	\$35.01	\$36.01	\$36.05	\$36.01	\$36.01	\$35.01	\$36.03	\$36.01	\$36.03	\$36.01	\$35.09	\$36.01	\$36.01	\$36.01	\$36.01	\$36.01	\$36.03	\$36.01	\$36.03	\$337.62	\$487.77	\$1,025.80	\$2,711.19
\$36.03	\$35.01	\$36.43	\$35.13	\$35.01	\$36.01	\$36.05	\$36.01	\$36.01	\$35.01	\$36.03	\$36.01	\$36.03	\$36.01	\$35.09	\$36.01	\$36.01	\$36.01	\$36.01	\$36.01	\$36.03	\$36.01	\$36.03	\$337.62	\$487.77	\$1,025.80	\$2,711.19
\$36.03	\$35.01	\$36.43	\$35.13	\$35.01	\$36.01	\$36.05	\$30.97	\$30.97	\$30.11	\$30.99	\$30.97	\$30.99	\$30.97	\$35.09	\$36.01	\$36.01	\$36.01	\$36.01	\$36.01	\$36.03	\$36.01	\$36.03	\$337.62	\$487.77	\$1,025.80	\$2,711.19
\$36.03	\$35.01	\$36.43	\$35.13	\$35.01	\$36.01	\$36.05	\$5.04	\$5.04	\$4.90	\$5.04	\$5.04	\$5.04	\$5.04	\$35.09	\$36.01	\$36.01	\$36.01	\$36.01	\$36.01	\$36.03	\$36.01	\$36.03	\$337.62	\$487.77	\$1,025.80	\$2,711.19



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/31/21
4. SET ID		5. POST DATE
VP210831MA		

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
Wade Trim	V09446	02	2021738	8/30/2021	\$ 1,005.04

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	8200017M	80138	CC0004	80138	WO19073	8 1/2 Mile Relief	Pjt #MCW200601T, 7/17-8/20	\$ 1,005.04	GEN		
B											
C											
D											
E											
F											
G											

23. Total: \$ 1,005.04

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Chapaton RTB Disinfection Improvements

<p>25. Finance Officer: <u>BM/mh</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>\$53,784.40</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONSULTANT INVOICE COVER SHEET**

WORK ORDER NUMBER 19073

PROJECT NUMBER WWS-2019-017

PROJECT NAME Chapaton RTB Disinfection Improvements

DRAINAGE DISTRICT Eight and One-Half Mile

CONSULTANT NAME Wade Trim Associates, Inc.

INVOICE DATE 8/30/2021

INVOICE START DATE 7/17/2021

INVOICE END DATE 8/20/2021

ORIGINAL CONTRACT AMOUNT		\$ 107,780.00
CHANGE ORDER TOTAL		
		\$ 74,917.50
Change Order No. 1	Date Executed: 9/21/2020	\$ 74,917.50
Change Order No. 2	Date Executed:	
Change Order No. 3	Date Executed:	
Change Order No. 4	Date Executed:	
TOTAL REVISED CONTRACT AMOUNT		\$ 182,697.50
(includes all approved change orders only)		
TOTAL AMOUNT PREVIOUSLY INVOICED		\$ 127,908.06
TOTAL AMOUNT DUE THIS INVOICE		\$ 1,005.04
TOTAL BUDGET REMAINING		\$ 53,784.40
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)		



25251 Northline Road • Taylor, MI 48180
734.947.9700 • www.wadetrim.com

INVOICE

Terms: Net 30 Days
1.5% Per Month After 30 Days
18% Annual Rate

ACH payments accepted. Send inquiries to remit@wadetrim.com

Remit Payment To: Wade Trim, 25251 Northline Road, Taylor, MI 48180

Attention: Vince Astorino
Operations and Flow Manager
Macomb County Public Works
21777 Dunham Road
Clinton Township, MI 48036

Invoice : 2021738
Invoice Date : 8/30/2021
Project : MCW200601T
Project Name : Chapaton RTB Disinfection
Improvements

For Professional Services Rendered For 7/17/2021 Through 8/20/2021

		<u>Billings</u>				
		<u>Fee</u>	<u>Available</u>	<u>To Date</u>	<u>Previous</u>	<u>Current</u>
<i>Rate Labor</i>	991.25	182,697.50	54,789.44	128,913.10	127,908.06	1,005.04
<i>Expenses</i>	13.79					
					Current Billings	<u>1,005.04</u>
					Amount Due This Bill	<u>1,005.04</u>

Total Fee : 182,697.50
To Date Billings : 128,913.10
Total Remaining : 53,784.40

600 - Project Management - Construction Phase**Rate Labor**

<u>Class / Employee</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Senior Professional				
John Arvai	7/21/2021	0.50	265.0000	132.50
	8/2/2021	0.25	265.0000	66.25
Total Senior Professional		0.75		198.75

Total Rate Labor**198.75****Total Bill Task: 600 - Project Management - Construction Phase****198.75****700 - CEI Services - Construction Phase****Rate Labor**

<u>Class / Employee</u>	<u>Date</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Engineer II				
Jason Obrycki-Smith	8/19/2021	2.50	105.0000	262.50
Senior Professional				
John Arvai	8/19/2021	2.00	265.0000	530.00
Total Rate Labor				792.50

Total Bill Task: 700 - CEI Services - Construction Phase**792.50****800 - Expenses - Construction Phase****Expenses**

<u>Account / Vendor</u>	<u>Doc Number</u>	<u>Date</u>	<u>Cost</u>	<u>Multiplier</u>	<u>Amount</u>
Computer Equipment / Software					
Jason Obrycki-Smith	ER000159261	6/29/2021	11.99	1.150	13.79
Total Expenses					13.79

Total Project: MCW200601T - Chapaton RTB Disinfection Improvements**1,005.04**

Work Description: Project management and administration. Prepared monthly invoice and progress report. Review of contractor pay application. On site walkthrough for final punch list on August 19, 2021.



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	9/1/21
4. SET ID		5. POST DATE
VP210902MA		

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	PAY EST #9	8/28/2021	\$ 10,002.60

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	8200017M	80126	CC0004	80126	WO19073	8 1/2 Mile Relief	Pay Est #9, 8/1-8/31	\$ 8,100.00	GEN		
B	8200072M	80126			WO19074	Martin	Pay Est #9, 8/1-8/31	\$ 1,902.60	GEN		0
C											
D											
E											
F											
G											

23. Total: \$ 10,002.60

REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:

Record retainage (WO19073) \$900 for total retainage of \$76,808.01. Record retainage (WO19074) \$211.40 for total retainage of \$18,377.81

<p>25. Finance Officer: <u>BM/mh</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; Martin</u></p> <p>31. Project Balance: <u>\$101,581.82 (Includes retainage)</u></p> <p>32. Staff Date: <u>9/7/2021</u></p> <p>33. Board Date: <u>9/13/2021</u></p> <p>34. Select For Pay Date: _____</p>
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**MACOMB COUNTY PUBLIC WORKS OFFICE
CONTRACTOR INVOICE COVER SHEET**

WORK ORDER NUMBER WO19073

PROJECT NUMBER WWS-2020-09

PROJECT NAME Chapaton RTB & Martin RTB Disinfection Improvements

DRAINAGE DISTRICT 8 1/2 Mile Relief Drain Drainage Distric

CONTRACTOR NAME Weiss Construction LLC

INVOICE DATE August 31, 2021

INVOICE START DATE August 1, 2021

INVOICE END DATE August 31, 2021

ORIGINAL CONTRACT AMOUNT			\$ 995,925.00
CHANGE ORDER TOTAL			\$(37,670.85)
Change Order No. 1	Date Executed:	12/21/2021	\$ (16,337.83)
Change Order No. 2	Date Executed:	4/28/2021	\$ (21,333.02)
Change Order No. 3	Date Executed:		
Change Order No. 4	Date Executed:		
TOTAL REVISED CONTRACT AMOUNT			\$ 958,254.15
(includes all approved change orders only)			
TOTAL AMOUNT PREVIOUSLY INVOICED			\$ 846,669.73
TOTAL AMOUNT DUE THIS INVOICE			\$ 10,002.60
TOTAL BUDGET REMAINING			\$ 101,581.82
(Includes Total Revised Contract Amount Less Total Invoiced Previously and Total Invoiced Current)			

Contractor's Application for Payment

Owner: <u>Macomb County Public Works</u>	Owner's Project No.: <u>WWS-2020-09</u>
Engineer: <u>Wade Trim Associates</u>	Engineer's Project No.: <u>Mcw 2006-01T</u>
Contractor: <u>Weiss Construction</u>	Contractor's Project No.: <u>2020-07</u>
Project: <u>Chapaton RTB and Martin RTB Disinfection Improvements</u>	
Contract: <u>WWS-2020-09</u>	
Application No.: <u>9</u>	Application Date: <u>8/28/2021</u>
Application Period: From <u>8/1/2021</u> to <u>8/31/2021</u>	

1. Original Contract Price	\$	995,925.00
2. Net change by Change Orders	\$	(37,670.85)
3. Current Contract Price (Line 1 + Line 2)	\$	958,254.15
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	951,858.15
5. Retainage		
a. <u>10%</u> X <u>\$ 951,858.15</u> Work Completed	\$	95,185.82
b. _____ X <u>\$ -</u> Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	95,185.82
6. Amount eligible to date (Line 4 - Line 5.c)	\$	856,672.33
7. Less previous payments (Line 6 from prior application)	\$	846,669.73
8. Amount due this application	\$	10,002.60
9. Balance to finish, including retainage (Line 3 - Line 4)	\$	6,396.00

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Record \$90000 W019073 \$211.40 W019074
\$76808.01 → 18,377.81

Contractor: Weiss Construction - Josh Wittenbach

Signature: Josh Wittenbach Digitally signed by Josh Wittenbach
DN: C=US, E=jwittenbach@weiss-construction.com,
O="Weiss Construction Co.", OU=Project Manager,
CN=Josh Wittenbach **Date:** 8/28/2021

<p>Recommended by Engineer</p> <p>By: <u>John Arvai</u> <small>Digitally signed by John Arvai DN: C=US, E=jarvai@wadetrim.com, O=Wade Trim, OU=Vice President, CN=John Arvai</small></p> <p>Title: <u>John Arvai</u></p> <p>Date: <u>2021.08.31 14:33:54-04'00'</u></p> <p>Approved by Funding Agency</p> <p>By: <u>N/A</u></p> <p>Title: _____</p> <p>Date: _____</p>	<p>Approved by Owner</p> <p>By: <u>[Signature]</u></p> <p>Title: <u>Engineer II</u></p> <p>Date: <u>08/31/2021</u></p> <p>By: <u>[Signature]</u></p> <p>Title: <u>Operations & Flow Manager</u></p> <p>Date: <u>08/31/2021</u></p>
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Progress Estimate - Lump Sum

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2020-
Engineer:	Wade Trim Associates	Engineer's Project No.:	Mcw 2006-
Contractor:	Weiss Construction	Contractor's Project No.:	2020-07
Project:	Chapaton RTB and Martin RTB Disinfection Improvements		
Contract:	WWS-2020-09		

Application 9 **Application Period:** **From** 08/01/21 **to** 08/31/21 **Application Date:** 08/28/21

A Item No.	B Description	C Scheduled Value (\$)	D + E Work Completed (D + E) From Previous Application (\$)		F Materials Currently Stored (not in D or E) (\$)	G Work Completed and Materials Stored to (\$)	H % of Scheduled Value (G / C) (%)	I Balance to Finish (C - G) (\$)
			D (\$)	E This Period (\$)				
Original Contract								
01	GENERAL CONDITIONS - CHAPATON	\$81,000.00	72,000.00	9,000.00		81,000.00	100%	-
02	GENERAL CONDITIONS - MARTIN	\$19,020.00	16,906.00	2,114.00		19,020.00	100%	-
03	PROCURE - PIPE MATERIALS	\$16,088.00	16,088.00	-		16,088.00	100%	-
04	PROCURE - PIPE MATERIALS (BASIN)	\$114,000.00	114,000.00	-		114,000.00	100%	-
05	PROCURE - AIR COMPRESSOR	\$12,500.00	12,500.00	-		12,500.00	100%	-
06	CHAPATON MOBILIZATION	\$19,500.00	19,500.00	-		19,500.00	100%	-
07	CHAPATON BYPASS PIPING	\$9,500.00	9,500.00	-		9,500.00	100%	-
08	DEMO CHAPATON PUMP ROOM	\$5,025.00	5,025.00	-		5,025.00	100%	-
09	INSTALL CHAPATON PUMP ROOM	\$18,500.00	18,500.00	-		18,500.00	100%	-
10	DEMO CHAPATON PUMP ROOM	\$21,000.00	21,000.00	-		21,000.00	100%	-
11	INSTALL NEW PUMP PADS IN	\$19,000.00	19,000.00	-		19,000.00	100%	-
12	DEMO CHAPATON TANK ROOM PUMPS	\$3,850.00	3,850.00	-		3,850.00	100%	-
13	INSTALL CHAPATON TANK ROOM	\$13,800.00	13,800.00	-		13,800.00	100%	-
14	FURNISH & INSTALL CHAPATON TANK	\$17,625.00	17,625.00	-		17,625.00	100%	-
15	DEMO & INSTALL NEW AIR	\$8,500.00	8,500.00	-		8,500.00	100%	-
16	CHAPATON ROOM FINISHES	\$5,250.00	5,250.00	-		5,250.00	100%	-
17	FURNISH & INSTALL CHAPATON VFD'S	\$65,100.00	65,100.00	-		65,100.00	100%	-
18	FURNISH & INSTALL CHAP. MAGNETIC F	\$28,350.00	28,350.00	-		28,350.00	100%	-
19	FURNISH & INSTALL CHAP. ELECT. COND	\$57,062.00	57,062.00	-		57,062.00	100%	-
20	CHAPATON O&M MANUALS	\$2,625.00	-	-		-	0%	2,625.00

Progress Estimate - Lump Sum

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2020-
Engineer:	Wade Trim Associates	Engineer's Project No.:	Mcw 2006-
Contractor:	Weiss Construction	Contractor's Project No.:	2020-07
Project:	Chapaton RTB and Martin RTB Disinfection Improvements		
Contract:	WWS-2020-09		

Application 9 **Application Period:** **From** 08/01/21 **to** 08/31/21 **Application Date:** 08/28/21

A	B	C	D		E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)	
			(D + E) From Previous Application (\$)	This Period (\$)					
21	CHAPATON TRAINING	\$2,100.00	2,100.00	-		2,100.00	100%	-	
22	CHAPATON START-UP	\$8,925.00	8,925.00	-		8,925.00	100%	-	
23	INSTALL CHEMICAL LINES IN BASIN	\$76,750.00	76,750.00	-		76,750.00	100%	-	
24	INSTALL CHEMICAL LINES FOR 9 MILE	\$51,250.00	51,250.00	-		51,250.00	100%	-	
25	INSTALL SAMPLE LINES IN BASIN	\$75,750.00	75,750.00	-		75,750.00	100%	-	
26	TEST & PUT CHAPATON BASIN PIPING	\$5,150.00	5,150.00	-		5,150.00	100%	-	
27	DEMO EXISTING PIPING IN BASIN	\$61,500.00	61,500.00	-		61,500.00	100%	-	
28	PROCURE - MARTIN PIPE MATERIALS	\$15,285.00	15,285.00	-		15,285.00	100%	-	
29	MARTIN MOBILIZATION	\$5,000.00	5,000.00	-		5,000.00	100%	-	
30	MARTIN BYPASS PIPING	\$3,100.00	3,100.00	-		3,100.00	100%	-	
31	DEMO MARTIN HYDROCHLORITE	\$2,950.00	2,950.00	-		2,950.00	100%	-	
32	INSTALL MARTIN HYDROCHLORITE	\$29,350.00	29,350.00	-		29,350.00	100%	-	
33	DEMO MARTIN HYDROCHLORITE	\$2,950.00	2,950.00	-		2,950.00	100%	-	
34	INSTALL MARTIN HYDROCHLORITE	\$29,350.00	29,350.00	-		29,350.00	100%	-	

Progress Estimate - Lump Sum

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2020-
Engineer:	Wade Trim Associates	Engineer's Project No.:	Mcw 2006-
Contractor:	Weiss Construction	Contractor's Project No.:	2020-07
Project:	Chapaton RTB and Martin RTB Disinfection Improvements		
Contract:	WWS-2020-09		

Application 9 Application Period: From 08/01/21 to 08/31/21 Application Date: 08/28/21

A	B	C	D	E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
35	REMOVE & INSTALL MARTIN	\$3,395.00	3,395.00	-		3,395.00	100%	-
36	DEMO MARTIN PUMPS & PADS	\$3,900.00	3,900.00	-		3,900.00	100%	-
37	INSTALL MARTIN PUMP PADS	\$4,400.00	4,400.00	-		4,400.00	100%	-
38	FURNISH & INSTALL MARTIN VFD'S	\$27,300.00	27,300.00	-		27,300.00	100%	-
39	FURNISH & INSTALL MARTIN	\$12,600.00	12,600.00	-		12,600.00	100%	-
40	FURNISH & INSTALL MARTIN ELEC.	\$17,500.00	17,500.00	-		17,500.00	100%	-
41	MARTIN O&M MANUALS	\$1,575.00	-	-		-	0%	1,575.00
42	MARTIN TRAINING	\$2,100.00	2,100.00	-		2,100.00	100%	-
43	MARTIN START-UP	\$4,725.00	4,725.00	-		4,725.00	100%	-
44	ROOFING ALLOWANCE - CHAPATON	\$1,725.00	1,725.00	-		1,725.00	100%	-
45	PERMIT ALLOWANCE - CHAPATON	\$5,000.00	6,106.00	-		6,106.00	122%	(1,106.00)
46	PERMIT ALLOWANCE - MARTIN	\$5,000.00	1,698.00	-		1,698.00	34%	3,302.00
						-		-
Original Contract Totals		\$995,925.00	\$978,415.00	\$11,114.00	\$ -	\$989,529.00	99%	\$ 6,396.00

Progress Estimate - Lump Sum

Contractor's Application for Payment

Owner:	Macomb County Public Works	Owner's Project No.:	WWS-2020-
Engineer:	Wade Trim Associates	Engineer's Project No.:	Mcw 2006-
Contractor:	Weiss Construction	Contractor's Project No.:	2020-07
Project:	Chapaton RTB and Martin RTB Disinfection Improvements		
Contract:	WWS-2020-09		

Application 9 Application Period: From 08/01/21 to 08/31/21 Application Date: 08/28/21

A	B	C	D	E	F	G	H	I
Item No.	Description	Scheduled Value (\$)	Work Completed		Materials Currently Stored (not in D or E) (\$)	Work Completed and Materials Stored to	% of Scheduled Value (G / C) (%)	Balance to Finish (C - G) (\$)
			(D + E) From Previous Application (\$)	This Period (\$)				
Change Order Totals		\$ (37,670.85)	\$ (37,670.85)	\$ -	\$ -	\$ (37,670.85)	100%	\$ -
Original Contract and Change Orders								
Project Totals		\$958,254.15	\$940,744.15	\$11,114.00	\$ -	\$951,858.15	99%	\$ 6,396.00

CONTRACTOR'S DECLARATION
(To be attached to the Contractor's periodic Request for Payment)

Project Name: Chapaton RTB and Martin RTB Disinfection Improvements

Contract No.: WWS-2020-009

Contract Date: 10/21/2020

Contractor: Weiss Construction, LLC

Owner: 8 1/2 Mile Relief Drain Drainage District

Certification Period (From the Date of the Contract to the Date of this Declaration) _____
October 12, 2020 - August 31, 2021

I hereby certify that I have not, during the above noted certification period, performed any work, furnished any material, sustained any loss, damage or delay for any reason, including soil conditions encountered or created, or otherwise done anything for which I shall ask, demand, sue for, or claim compensation from the Owner or its agents, in addition to the regular items set forth in the above noted Contract (and executed Change Orders thereto) executed between the Contractor and the Owner, except as the Contractor hereby claim for additional compensation and/or extension of time as described in previously submitted claim letters to the Owner dated:

Josh Wittenbach

Digitally signed by Josh Wittenbach
DN: C=US,
E=jwittenbach@weiss-construction.com,
O="Weiss Construction Co.", OU=Project
Manager, CN=Josh Wittenbach
Date: 2021.08.31 11:55:03-04'00'

Attached Summary, Dated _____

(Contractor to check this box if no claim letters are submitted to date)

CONTRACTOR

By: _____
(Authorized Signature)

Name: _____
(Print Name)

Title: _____

Date: _____

END OF SECTION 00 61 13.1

	Chapaton (WO19073)	Martin (WO19074)	Total
CONTRACT TOTAL			
Original Contract Prices:	\$806,425.00	\$189,500.00	\$995,925.00
CO#1:	-\$12,253.37	-\$4,084.46	-\$16,337.83
CO#2:	-\$24,572.57	\$3,239.55	-\$21,333.02
CO#3:	-	-	\$0.00
CO#4:	-	-	\$0.00
Total with all CO's	\$769,599.06	\$188,655.09	\$958,254.15
PAYMENTS			
Pay App No 1	\$17,645.40	\$4,381.20	\$22,026.60
Pay App No 2	\$23,625.00	\$1,426.50	\$25,051.50
Pay App No 3	\$52,189.20	\$20,204.10	\$72,393.30
Pay App No 4	\$280,029.78	\$51,116.40	\$331,146.18
Pay App No 5	\$214,713.27	\$1,426.50	\$216,139.77
Pay App No 6	\$57,237.93	\$39,988.16	\$97,226.09
Pay App No 7	\$16,806.48	\$41,151.42	\$57,957.89
Pay App No 8	\$20,925.00	\$3,803.40	\$24,728.40
Pay App No 9	\$8,100.00	\$1,902.60	\$10,002.60
Pay App No 10			
Pay App No 11			
Total all Pay Apps:	\$691,272.06	\$165,400.28	\$856,672.34
SUMMARY			
Total Retained:	\$76,808.01	\$18,377.81	\$95,185.81
Total Work to Date:	\$768,080.06	\$183,778.09	\$951,858.15
Balance to Finish (incl. Ret)	\$1,519.00	\$4,877.00	\$6,396.00



ONESolution

ACCOUNTS PAYABLE CHECK REQUEST

PUBLIC WORKS DIVISION

1. PREPARED BY (Please Type)	2. PHONE #	3. DATE
Michelle Houvener	95966	8/17/21
4. SET ID		5. POST DATE
VP 210818 MD		

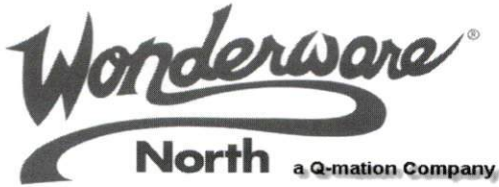
PARENT RECORD INFORMATION					
6. VENDOR NAME (Check to be issued to)	7. VENDOR NUMBER	8. ADDR CODE	9. Invoice No (MAX = 16 CHARACTERS)	10. Invoice Date	11. Invoice Amount
Wonderware North	V65315	01	91876	8/6/2021	\$ 18,622.00

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	8200166M	80152	CC0014	80152	WO19011	MIDDD	WONDERWARE RENEWAL	\$ 8,007.46	GEN		
B	8200166M	80152	CC0014	80152	WO20016	MIDDD (OMID)	WONDERWARE RENEWAL	\$ 1,303.54	GEN		0
C	8200017M	80152	CC0014	80152	WO19011	8 1/2 MILE RELIEF	WONDERWARE RENEWAL	\$ 6,983.25	GEN		0
D	8200072M	80152	CC0014	80152	WO19011	MARTIN	WONDERWARE RENEWAL	\$ 1,396.65	GEN		0
E	8703018M	80152	CC0014	80152	WO19011	SEMCWWDS	WONDERWARE RENEWAL	\$ 931.10	GEN		0
F											
G											

23. Total: \$ **18,622.00** REV 09/2018

24. COMMENTS, INSTRUCTIONS OR ADDITIONAL NOTES:
 PW000181

25. Finance Officer: <u>BM/mh</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>9/7/2021</u> 33. Board Date: <u>9/13/2021</u> 34. Select For Pay Date: _____
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INVOICE

Invoice ID: 91876
 Date: 8/6/2021
 Order No: 96664
 F.O.B: Horsham, PA
 Packlist ID: 78650

425 Caredean Drive
 Horsham, PA 19044
 215-675-5800
www.wonderwarenorth.com

Sold To
 MACOMB COUNTY PUBLIC WORKS
 ATTN: ACCOUNTS PAYABLE
 21777 DUNHAM ROAD
 CLINTON TOWNSHIP, MI 48036
 USA

Ship To
 MACOMB COUNTY PUBLIC WORKS
 23001 NINE MILE ROAD
 ST CLAIR SHORES, MI 48080
 USA

CUSTOMER ID			CUSTOMER PO			PAYMENT TERMS			FREIGHT TERMS		
MACOMB COUNTY			PW000181			Net 30			Freight: Billed		
SALES REP ID			SHIPPING METHOD			SHIP DATE			INVOICE DUE DATE		
GENES			UPS Ground 1ZX167140343709119			8/6/2021			09/05/2021		
QUANTITY			PART			DESCRIPTION			T	UNIT PRICE	EXTENDED PRICE
ORD	SHP	BCK							X		
1.00	1.00	0.00	CF-STANDRD-R-WW			CUSTOMER FIRST - STANDARD RENEWAL W/HMI				\$18,622.00	\$18,622.00
						CFA# 100134					

ORDER SPECIFICATIONS

SUB TOTAL: \$18,622.00 (USD)

TOTAL AMOUNT DUE: \$18,622.00 (USD)

PLEASE REFERENCE THIS INVOICE NUMBER ON YOUR CHECK AND REMIT TO:

Q-mation, Inc or Wonderware North
 425 Caredean Drive
 Horsham, PA 19044

FOR SPEED AND CONVENIENCE, PAYMENT MAY BE WIRED TO THE FOLLOWING ACCOUNT:

Bank Name: Wells Fargo
 1977 Norristown Road
 Maple Glen, PA 19002
 Account Name: Q-mation, Inc
 Account# 1559821747
 Routing: 121000248
 ABA (ACH): 031000503 / Swift: WFBUS6S

WWN is not authorized or obligated to collect sales tax outside the state of Pennsylvania. Please note that the customer named above is solely responsible to timely remit the tax to the proper taxing authority.

June 23, 2021

Company Name **Macomb County Public Works**
Contact **Brent Welser**
Support Agreement ID **100134**
Support Level **Standard**
Effective Expiration Date **August 30, 2021**
Reference **MacombCountyPublicWorks_100134_Welser_09302021WCF**

Brent:

Thank you for your investment in AVEVA products and participation in the **AVEVA Customer FIRST Support Program**. The Customer FIRST Support Program ensures that you continue to get the most value from your investment by providing access to software license upgrades along with convenient access to highly skilled resources to remedy any issues you experience as you install, fine-tune, and upgrade your AVEVA software. Through any phase of your application lifecycle, Customer First membership gives you the support, services, and resources you need to be successful.

AVEVA Customer FIRST includes the following benefits:

- Free software version upgrades, fixes, patches and service packs keep your AVEVA software current and secure, leveraging new features and ensuring that existing applications keep running
- Customer FIRST mobile app gives you a quick overview of your support and services agreement
- Access to award-winning live technical support, with expert assistance throughout the software lifecycle
- Software Utilities – Leverage a growing stable of software utilities, including: the Software Asset Manager, to quickly and easily track and manage your AVEVA software licenses and apply security and performance software updates at multiple locations; and the Customer FIRST Benefits Mobile App, to get a quick overview of your support and services agreement
- Optional Services and System Management – Enjoy access to a wide array of optional services and discounts, based on the needs of your business and your budget. *The exact features vary with the AVEVA software you own.*

PLUS with Premium and Elite memberships, enjoy the following additional benefits:

- Access to 24/7/365 technical support
- Up to 24 hours of expert guidance on best practices, from initial rollout through ongoing phases of your AVEVA installation through dedicated technical support consulting services
- Free Software License Replacements for damaged or lost licenses

Customer First Support Agreements will carry no "grace period" beyond a support agreement expiry date. If an agreement lapses, the customer has the following 30 days to renew with a mandatory 10% penalty fee. Beyond 30 days, renewal still requires a 10% penalty AND the agreement loses its license volume-based discount.

Customer FIRST Support Renewal

Effective Expiration Date: August 30, 2021
Agreement Expiration Date: September 30, 2021

Standard Level Support

The Effective Expiration Date is in advance to the Agreement Expiration Date to allow you time to process and execute purchase activity to avoid late fees.

The renewal quotation below is based on the attached list of licenses registered to your site. Please review license list below for accuracy and alert us of changes, upon which we will revise the proposal and official License List accordingly. Licenses not on the agreement will not be eligible for support/upgrades.

You have the flexibility to choose between Standard, Premium and Elite levels of support. Below is the price to maintain your current level of support – please let us know if you would like pricing on any alternate levels.

Part Number	Description	Price
WWCFS-2000	Wonderware Customer FIRST Agreement – Standard Level – One Year	\$18,622

A budgetary number for planning purposes for the upcoming support year(s) can be provided at request. The final support agreement pricing for the next year is typically based on an inflationary (0-3.5%) increase in license value as well as licenses purchased during the support agreement term.

Simply call or e-mail me if you have any questions.

Best Regards,

John Karabudak

Wonderware North
 JKarabudak@wonderwarenorth.com

Reference WCF Support Agreement ID 100134 and address your order to Wonderware North (Q-mation)

Ordering Information

Q-mation DBA Wonderware North
 425 Caredean Drive
 Horsham, PA 19044

Email sales@wonderwarenorth.com
Fax (215) 675-9712
Phone (877) 900-4996

Terms & Conditions

1. Quotation is valid for 60 days from date of issue.
2. Quotation does not include any taxes. Tax exemption number must be on file or applicable taxes will be added.
3. Tax ID: 23-2549974
4. Payment terms are Net 30 Days
5. Software delivery is 1 – 2 weeks ARO
6. Transportation is prepaid and added
7. F.O.B. is Wonderware North, Horsham, PA

Customer First Support Agreements will carry no "grace period" beyond a support agreement expiry date. If an agreement lapses, the customer has the following 30 days to renew with a mandatory 10% penalty fee. Beyond 30 days, renewal still requires a 10% penalty AND the agreement loses its license volume-based discount.

Macomb County Public Works (St. Clair Shores, MI) - License List

Part Number	Part Description	Software License Number
AVCAL-01-C-19	UppC, AV CAL without MS CAL Single	692054-7
AVCAL-01-C-19	UppC, AV CAL without MS CAL Single	692055-7
AVCAL-01-C-19	UppC, AV CAL without MS CAL Single	692056-7
AVCAL-01-C-19	UppC, AV CAL without MS CAL Single	692057-7
AVCAL-01-C-19	UppC, AV CAL without MS CAL Single	692058-7
AVCAL-01-C-19	UppC, AV CAL without MS CAL Single	692059-7
12-12953	Upp, Info Server Standard Client Per Named Device	972622-2
ComDrv-01-C-20	UppC, Communication Drivers 2020 Standard	1717485-2
ComDrv-01-C-20	UppC, Communication Drivers 2020 Standard	1717486-2
DevStd-04-C-20	UppC, Dev Studio 2020 Unlim Unlim / 60000 / 500	692043-7
12-12771	WW Skelta BPM Developer Edition 1 user	1717487-0(part of 692043)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	692046-6
19-0171	Application Server 2014R2 Platform	1717482-0(part of 692046)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	703742-6
19-0171TP	Application Server 2014R2 RDS Session	1717469-0(part of 703742)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	703743-6
19-0171TP	Application Server 2014R2 RDS Session	1717470-0(part of 703743)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	703744-6
19-0171TP	Application Server 2014R2 RDS Session	1717471-0(part of 703744)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	703745-6
19-0171TP	Application Server 2014R2 RDS Session	1717472-0(part of 703745)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	703746-6
19-0171TP	Application Server 2014R2 RDS Session	1717473-0(part of 703746)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	703759-7
19-0171TP	Application Server 2014R2 RDS Session	1717474-0(part of 703759)
12-11529	Upp, Information Server Portal	972616-1(part of 727033)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	727035-6
19-0171TP	Application Server 2014R2 RDS Session	1717480-0(part of 727035)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	748834-4
19-0171	Application Server 2014R2 Platform	1717468-0(part of 748834)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	972615-3
19-0171TP	Application Server 2014R2 RDS Session	1717481-0(part of 972615)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	972617-3
19-0171TP	Application Server 2014R2 RDS Session	1717475-0(part of 972617)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	972618-3
19-0171TP	Application Server 2014R2 RDS Session	1717476-0(part of 972618)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	972619-3
19-0171TP	Application Server 2014R2 RDS Session	1717477-0(part of 972619)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	972620-3
19-0171TP	Application Server 2014R2 RDS Session	1717478-0(part of 972620)
SupCit-03-C-20	UppC, Supervisory Client 2020 with Historian Client	972621-3
19-0171TP	Application Server 2014R2 RDS Session	1717479-0(part of 972621)
SysPlt-07-C-20	UppC, System Platform 2020 25000 IO / 5000 History	1717460-2
HstEnt-51-C-20	UppC, Historian Server 2020 Enterprise, 5000 Tag	727033-7(part of 1717460)
InfSvr-51-C-17	UppC, Information Server Portal	972614-2(part of 1717460)
ComDrv-51-C-20	UppC, Communication Drivers 2020 Standard	1717461-2(part of 1717460)

Customer FIRST Support Renewal

ComDrv-51-C-20	UppC, Communication Drivers 2020 Standard	1717462-2(part of 1717460)
AppSvr-10-C-20	Application Server 2020 25000 I/O	1717463-2(part of 1717460)
19-0171	Application Server 2014R2 Platform	1717464-0(part of 1717460)
19-0171	Application Server 2014R2 Platform	1717465-0(part of 1717460)
19-0171	Application Server 2014R2 Platform	1717466-0(part of 1717460)
19-0174	Application Server 2014R2 GR Platform	1717467-0(part of 1717460)

Budget to Actual
8.5 Mile Relief
As of Aug 31 31, 2021 = 92%

DESCRIPTION	2021 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	175,000		14,474	160,526	8.3%
Other Revenue	4,000		1,463	2,537	36.6%
8.5 O&M/Charge Required Revenue	4,509,865		4,509,865	-	100.0%
PY Revenue-Fund Balance	4,522,050			4,522,050	0.0%
Rental Fee	16,460		-	16,460	0.0%
<i>Total Revenue Accounts</i>	9,227,375	-	4,525,802	4,701,573	49.0%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	12,850		12,939	(89)	100.7%
Engineering					
Flushing systems-Design In 2022 budget changed to 9 Mile PS	1,328,480		67,308	1,261,172	5.1%
Basin Structural Repairs-Design & Construction	750,000		118,605	631,395	15.8%
Equipment Hatch crane replacement	100,000		23,540	76,460	23.5%
9 Mile Bypass Pipe Structural Repairs	500,000		41,150	458,850	8.2%
As needed Engineering	87,810		56,336	31,474	64.2%
Chapaton Improvements-Office Space	820,000		730,044	89,956	89.0%
Disinfection system upgrade (Design and Construction)	901,625		773,241	128,384	85.8%
Chapaton Improvements-Lab Relocation	166,910			166,910	0.0%
In-System Storage-Construction & Const Admin	2,250,000		540,750	1,709,250	24.0%
9 Mile Bypass Design	44,165		25,801	18,364	58.4%
New Equipment ⁽¹⁾	15,500		22,032	(6,532)	142.1%
Office Supplies	750		180	570	24.0%
Operating Supplies	63,700		47,035	16,665	73.8%
Other Professional Svcs	46,700		26,852	19,848	57.5%
Personnel Services	1,061,320		539,054	522,266	50.8%
Repair & Maintenance	161,000		158,553	2,447	98.5%
Pumping and screening improvements	211,540		200,070	11,470	94.6%
SRF Replacement Reserve	259,215		259,215	-	100.0%
Scada System	165,710		101,241	64,469	61.1%
Utilities	274,100		224,386	49,714	81.9%
<i>Total Expense Accounts</i>	9,227,375	-	3,974,332	5,253,043	43.1%

	O&M Balance 9/30/2020	O&M	Total 8/31/2021
Cash - Operating	12,629,705	551,470	13,181,175
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		4,525,802	4,525,802
Expenditures		3,974,332	3,974,332
			0
Equity*	12,629,705		13,181,175

Detail of 2020 Equity*

Disinfection system upgrade (Design and Construction)	832,752	Pumping and screening improve	319,594
Chapaton Improvements-Office Space/HVAC	736,909	SCADA Reserve	84,385
Chapaton Improvements-Lab Relocation	250,000	Capital Reserve	1,118,359
LSCWWI 04B Transfer	738,112	PLC Replacements at Chapaton Ea:	40,000
Project Contribution from Macomb Cty	2,000,000	As Needed Engineering	88,981
In System Contribution from SEMSD	1,000,000	Design 9 Mile Bypass	27,283
Expansion Contribution From State	975,109	Flushing Study	75,000
In-System Storage Design/Const Admin/Const	2,250,000	Pickup Truck ⁽¹⁾	19,500
SRF Replacement Reserve	2,073,720		